

<213> A.fumigatus

<400> 4336

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gttcttgttt	tctacttcgg	ttacaagttc	tattacaaga	cttccttcct	gcgtgctaaa	360
gacatggact	tgcacactgg	tcgtcgggag	ttggatatcc	agcatctgat	tgaggaggaa	420
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<210> 4337

<211> 1425

<212> DNA

<213> A.fumigatus

<400> 4337

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gactccaatt	ccgcgctcga	cgggtgtaaa	gccaaatctc	agccgggtta	cgagcatatg	180
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<210> 4338

<211> 906

<212> DNA

<213> A.fumigatus

<400> 4338

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gcctcagtcg	ccttcttcac	catctacgaa	gccacgaaat	caacgctgca	acccaacgag	240
gcatcccat	catcaaaaac	ccgcgagcta	gccacgtacg	cgattagcag	cgcagtagca	300
gatctggtag	catgcgccat	cactaatccc	gccgaggtgt	tgaagcagaa	cgcgcaggtc	360
gtgcatgctc	aatccgagca	tagccgctcg	ccgctgctat	cgaccgtcag	gcacttctcc	420

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<210> 4339

<211> 237

<212> DNA

<213> A.fumigatus

<400> 4339

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atgttctcag	aagaagtggc	catatcaggg	gagcagattg	gcaatacccc	acaagccttc	180
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<210> 4340

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4340

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atattctata	ctatgtttat	gaagattaga	gatatctatt	atacaagttc	ccaacgaaga	180
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<210> 4341

<211> 582

<212> DNA

<213> A.fumigatus

<400> 4341

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ggtggtatta	atggccgata	cagacgctat	gagatgatga	gaattcaagg	atcagtcagg	180
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ctggaggaga	acaatttgca	gagatcgggc	ctgccgcggg	agttcacctt	tgccatgctg	300
atccagaaac	cgcgcgacga	cagccgcatt	gttttctcct	tggacatcga	gccacccta	360
cagtcgtggt	acggcagcta	ccctgactgg	tggttatctt	tgccaaagta	tcagcctcag	420
agtcgacggc	cggtggactt	tagatcagag	gtcggtcagc	gctttgagcc	cgccgaatca	480
aagaaagggt	tcaatttcgc	gactcttgaa	agctctttcg	atgactatgt	gagcatgccg	540
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<210> 4342

<211> 417

<212> DNA

<213> A.fumigatus

<400> 4342

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ggactctgca	actcgggcct	cctcgtcatc	aatccgctga	aaggagtcta	tgataggatc	180
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tccgatgtct	tccgcggccg	ctgggtcggc	ataccctaca	tttataatgc	gctcaagaca	300
ttacggcgca	aggggggtcca	cgacacaatc	tggcgggatg	ataaggtcaa	gaatgttcac	360
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<210> 4343

<211> 867

<212> DNA

<213> A.fumigatus

<400> 4343

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caaaggtacg	cgcaagccga	atcatgcat	cgcgccattg	acaagctaac	cgactctttc	180
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ttccccgcgc	aaggacatgc	tgccgtcaac	gcccgtggac	taccgaagca	gcgcgtccccg	360
catctcctcc	cgacctccc	gaaagaatat	accaatgacc	ctcgatttca	tgatacgtgg	420
acaaagctta	cggttttctc	gctgggtggag	tatgaacgcg	tggtgctact	ggatagcgac	480
atgctgggtca	tgcgaaacat	ggacgagctg	atggatatgg	agctggatgc	gccggagttg	540
gaggggagtg	ggagccgggt	gtttgcggct	agtcatgcgt	gtgtctgcaa	tccgctaaag	600
aagccgcatt	atccgaagaa	ctgggtatgat	ctatctgtct	caagaggttc	cagtactggt	660
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agcatgccac	tcccgacaag	gccagacaa	acggagcacc	atcggaccgt	ggacttggac	780
tctgcaactc	gggcctctct	gtcatcaatc	cgtcgaaagg	agtctatgat	aggatcattg	840
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<210> 4344

<211> 408

<212> DNA

<213> A.fumigatus

<400> 4344

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cgaaagtctt	tcggattgaa	gccctacgag	actttttgaag	agatcaactc	ggacccagac	180
gtcgcggagt	cccttcggag	tctgtacgac	cacctgatt	ttgtggaact	ctatcccggga	240
atcgtggctg	aggaagcaaa	gcagcccatg	gtccctgggtg	ttggcattgc	gccacctat	300
actattttcac	gggccgttct	gtctgacgca	gtggctcttg	ttcgtgggtga	tcgtttctac	360
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<210> 4345

<211> 549

<212> DNA

<213> A.fumigatus

<400> 4345

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cagaaccagt	tccgtgctgc	ctgggggtgac	accgtcgagt	ttgtgttcgg	aaaggccagc	360
aaggagttca	agctatatca	ggatagtggc	tttatccaga	agcacgctga	tgttatgagc	420

aagctgctga	acaaagagga	gtggcaccgg	agtgtcaaag	aattttatga	ggatatcacc	480
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aacgagtga						549

<210> 4346
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 4346	
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caatgcttga	tgggcgtatc
aaggcagtac	cgtttgaaca
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tgaacacagt	gccaccagta
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<210> 4347
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 4347	
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agcgagttct	tctggatggc
gacatcctca	acctcgacgt
ttctctgtac	caagggtggat
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aacaaggctg	tggggacatg
caaaccggg	atgacattca
ccattgaacc	gacacctggc
ttgggtggca	accgagaaaa
gtattggccg	gacgaatgga
caaagtgtac	agtggacggc
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tggccatga	

<210> 4348
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 4348	
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cgggccaaac	ccggtttata
tcctttttcc	ccggaaacgg
ttcggttccc	ccaaacctcc
tcaagagcgg	cccggattgg
gccccaaagt	ggcaattccc
aggcggtaaa	atgggcttaa
caagttcaaa	attgggacct
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gcagggtggc	tcgcgaagtc
ctcgacatca	ctgctgcggc
ggtaaggccc	ggcgtgacca
ccgattatct	cgatgaaatc
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<210> 4349
 <211> 798
 <212> DNA
 <213> A.fumigatus

<400> 4349	
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ttacgtgctg	cgtctggatc
tctcagcaat	tgtgtggaac
cagcctcatg	ggctggggcgg
catactatta	caagcaggct

ggattcgaca	ccagccacgc	tttcgatctc	acagtcggga	cctttggcct	ggcaattgcc	240
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<210> 4350

<211> 270

<212> DNA

<213> A.fumigatus

<400> 4350

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gtgtcagctc	tccatctgtg	gcacgactat	tgggaataaac	ccatcacaaa	gaccttatc	180
ccaagcagac	ttcgggtccaa	cacttcgaac	agagctagac	tcattagttg	ggtacctagt	240
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<210> 4351

<211> 390

<212> DNA

<213> A.fumigatus

<400> 4351

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gtaacttcca	ttactgtcgc	ctgcagggtg	gcaatcaagc	tgcaaccgag	atacgtggat	180
tgcgtgcggg	agcgcaagcc	cctagccctg	gtcattcttg	catactactg	cgcaatcctc	240
catcgccctc	gacacaattg	gtgtctcgac	gagtggggtc	ctcgggtttc	aaaggcgctc	300
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<210> 4352

<211> 474

<212> DNA

<213> A.fumigatus

<400> 4352

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ggtttctttg	tgataagcgc	tttcgtcttc	cagcgctcga	tcaactgcca	tgcaactccc	180
gagtcgcgtc	ccgagtagat	tccttgggaag	aaacatatgg	gcgcgctata	tgcatacaag	240
attctgatct	tgggttcgac	cgtatttcga	gttgctgaat	accttcaagg	ctgggatggg	300
tcattgctgc	agagcgaagt	gttcataat	gtactggacg	gacttctgat	gtgggttcgtc	360
atggctatct	ttctgggttg	tcacccgagc	gagatcaatt	gcctgttggg	tcgcgggaaa	420
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<210> 4353

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4353

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attgcaactc	ctgcttcttt	tttggcttgg	cttcgccttc	agtgcacctc	tcccattcat	180
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<210> 4354

<211> 201

<212> DNA

<213> A.fumigatus

<400> 4354

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gctttggctg	ccattaagat	ctttctacct	gtcttttctc	aatccctcca	actcgacccg	180
ttattattat	cgtaaatgtg	a				201

<210> 4355

<211> 402

<212> DNA

<213> A.fumigatus

<400> 4355

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tccaagaaac	atggtcaact	caaacaggcg	acaacgagga	tggttcagac	agtgatgaag	180
tttttggatg	agacacctag	catggatgtg	aagttgtctg	tgatcgatac	gttgcgacc	240
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tttgagatt	ttcgtcgaag	tagagagggc	tcgtgtaaca	cgcattttgt	cgaacatcaa	360
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<210> 4356

<211> 339

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (280)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4356

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togatgtaca	gtttcacctg	gttgacgaac	aattacaggt	acattctgct	cacctcctca	240
ggaaccatgg	gcggcatcgg	catctggtgc	atgcatttcn	atttgcaatt	gaagactatg	300
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<210> 4357

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4357

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cttctggttc	taaaagggtca	tagacttgtt	tgtatactcc	agtcttcgca	gaagtcacaga	180
ccatga						186

<210> 4358

<211> 417

<212> DNA

<213> A.fumigatus

<400> 4358

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atcgcaactg	cgcgcggaact	gaaagacgtt	cccattgtgcg	aggaatacga	gcgcatgggtt	120
tccggcatga	tgtacaatcc	taacacaccc	aaactactcg	aggcacggca	ccggtgtcgc	180
gggctaacag	ccgactacaa	cggcctggat	acgaaaacgg	tgccctacga	acaaatcgcc	240
gagaaaaggc	tgcagctgct	ccggcgcggtg	gtcggccgag	tgggcgacgg	cacgtttatc	300
gagccgccgt	tcatggcaga	ctacggatgt	aacatcatta	tcggcaagaa	ttgtttcatt	360
aattggaagt	atgtcgatcc	atgttcacgt	cctgcaattt	tcgtagtgtc	tgcataa	417

<210> 4359

<211> 372

<212> DNA

<213> A.fumigatus

<400> 4359

gctgaactga	ctgggggaat	cagtctcact	gtgctggaca	caagcctcgt	cgtcatcggt	60
gaccgggttc	agataggaac	gaacgtcagc	atcatcactg	ccggccacga	cacgagtatc	120
ctgtcgcggc	ggaagaatgt	ggaattcggc	cacccgatct	tcatcgagga	tgactgctgg	180
attggtgcga	atgtcgtcat	tctgcctggc	gtgaggatcg	ggcagggttc	gacgattggc	240
gcgggctcca	tcgtcaccaa	ggatatcccg	cccttctctg	tggcactggg	gagtcctgtc	300
cgggtcaaac	ggacgattcc	atcggcggag	gaagaagagc	aggatgagac	aatccgttc	360
aggaatctgt	ag					372

<210> 4360

<211> 438

<212> DNA

<213> A.fumigatus

<400> 4360

agacaaagag	cgtacgctga	ctctcacaga	ttcctcgctc	gtctcacacc	catttctcca	60
atggagcgat	ccaactactt	cgctcgaggtc	aagcgaccag	atgagactct	cttcgagatt	120
ctctatcgcc	caacgacctt	ctcgggaagac	aaccccgacc	cggcaccaga	agacatcgtc	180
atccgcgcgc	agcgccagac	tttccgcccgc	ctaccgaaaa	caggcaccat	cgtcttcggc	240
gtcaagacct	tcctaacgac	gctcgacgag	ctgcccattgc	aggaactcca	gaatctcgcg	300
aaggagacca	agagttggcc	cgactacgtg	ggcgagtaca	agggcccgca	aatctggggg	360
cccaagggtcc	tcgaattctg	cgagaaccgt	acgcgatcat	tttcacagca	gcttgagtcg	420
gagaaaactgg	acgtataa					438

<210> 4361

<211> 231

<212> DNA

<213> A.fumigatus

<400> 4361

gagtcagcgt	acgctctttg	tctttatgaa	gctattcaag	actacctact	tgctaacaga	60
------------	------------	------------	------------	------------	------------	----

actagcaacc	tgctgggtgcc	acggatgcac	gggattgtga	agctgggaga	ttgtccaacc	120
gatgcgttcc	ttgactgtcc	agccaacagg	gatgagactg	gcactggcgg	ctctattggc	180
ggtgtcagtc	gggggcaaac	tgttagcgct	tcacttcaac	gtacaagtta	t	231

<210> 4362
 <211> 603
 <212> DNA
 <213> A.fumigatus

<400> 4362						
attaaaaagg	agtttctggg	cgggatgtt	cgaaccagg	aagattggg	caattttaa	60
aaggggttcc	gggcgagctt	gttccaggga	tacggcccac	caccgtggg	gccttcaacc	120
ccttcacttt	ggtggacgga	aaacccccga	tttatctcca	cgtcggacga	caagtacatg	180
cgcgcttggg	agtacgcatt	cccagtggcc	atcaagttca	tcgccgagcc	taacatgttc	240
gccatgacgc	gcgcgcgcgc	ccatccaaac	ggtaagtacg	tcgccttcca	gtccggcgac	300
aaccagatcg	tcgtgtacgg	cgccacggac	aaattccggc	agaaccgcaa	gaagagtttc	360
aggggccaca	ataacgctgg	gtacgctatt	gatgtgaaga	tctcgcccga	cggccagttc	420
atcgcgctcc	gtgacagcgg	cggctatgtc	tgtttctggg	actggaagac	gggcaagatg	480
taccataaga	tcattggccg	ggggaaagag	ggcgggtgcc	ccacctgtct	ggactggcat	540
ccccaggaga	cgagtaaagt	ggttacgggt	ggattggagg	gtgtcatcaa	atactgggat	600
taa						603

<210> 4363
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 4363						
agccaccgca	cccaagatgc	ccccttcac	gattcaccct	cttccccgg	cagcatcgtc	60
atcatcctcc	atcccgcgac	gccatggtcc	cacactccct	ccctccacgc	tgacgcttac	120
tcgctgggca	tacctgaacc	agatagagcg	agaggcggaag	gaacgcggcg	gtacaggcgc	180
taa						183

<210> 4364
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 4364						
ctgtcgattt	tgttactttt	atTTTTgtgg	ggattttgga	ttaatcctt	cgtaaattgt	60
cgtgtccttt	tttatagcag	aattttcgcc	ctgaacatgc	ctcaaatagg	tgcagtgtct	120
atcataaagt	gcgtgtcctt	taactggcat	gcctgtggct	atagccactg	tgagcgctcc	180
tactccgctt	ttgtcaataa	ctgcatgcaa	ctctag			216

<210> 4365
 <211> 1797
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1452)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4365						
agacccccctc	ggctggtaag	ggcttggctg	tacaaacctc	acagtgccac	ctttctgatt	60

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ttctctatag accctcccat ggaggataac tccaacattc gtatcaccag gageggtcgg 120
gctagccgag acgctcgtgc tcataatatg aacattccga gcaccccatc atctactaac 180
aataccactc ccaacaatct caataatggc cgtccgtcac gcattataac gctgagcacc 240
cgcactgcta gagccaatag tgcccgtcag gctcaggcca acagtgtccg cgaagctcaa 300
gcaaacaatg cgcccgtggc cgatactgct accagcacgg ccaaccctct ccgtgagact 360
cgcacctctc gagcacggcg tgctgctgcg gccgcagctg gttccactgt gccctctacg 420
cccgcggggc cccctgctcc agctccagct gcggcgagaca gcgtagcatc gacgaatatt 480
ccagagagacc cccggcacaa gcgcgtcaaa cgaactccta ctggtgaaga gacgccgagg 540
acgacgaggc agtctgcaag acttaggggc aatatccaac ccgttagttc caccgagaag 600
actttctcga actctcaggc tgagtccaaa caacctgatg gcagcccatc cgccggcatg 660
gctcctggtg gccggacacg gacacggagc agacagatgg ccagcagtct gaaccagaaa 720
accggcgact caacaagagt cacatcctct ccctcgaaaa agaattcgagg acgaaatgaa 780
gagaacatca gccctctgga tacagttgct tcgcagctat ccacaagaga ccaaatgtct 840
gatctggttg atgaaaaact atcgaaggac aacggtcctg ataacgtcga gaataaaatg 900
aacggaccct tggacatgga aagcgaggaa aagcacgaac ccgagactgt cccaccaaat 960
tactaaaaac ggaagtctcc agagcctgat gacggcccg cgtggggagcc caccctctct 1020
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gctctcaaa caggggctac ttctgttgct gccgacggc atgttcccaa tgttcaggtt 1260
gctgaaatct ccgcgttatc cgtcgccaat gcaagcgata agagtcttga agttgctgat 1320
gtgcgggaca atgataccac tgctgctaga ggatcgggcg cgggtgatga gtctcgtcaa 1380
atcacagaag aagttgaaga acaagtttct gaaaatggcg tcgaattacg gtcagcagtg 1440
gacgaagccg angctcgtggc cgtgggcgtg gagggcgtgg catgggagcc ctcacgcgcg 1500
gcggggggcgt gcagaaaagg gaaggggaaa tccaaaggcc cagccaaggg aaaggggaag 1560
ggtaaaacttg taaaccgagg ccgcaagcgg atggggaata tgaacaagaa ttccggccca 1620
gaccggaacc tttgggttcc ctttcttoga attcaggcca ccagaagaag ccggaccgcg 1680
caaggggaac tggacaagg gttcaaaaag ggaaccgcgg cgcacacaac tggttttgct 1740
tgggttaacc cgactttttt aagggcaact tggcgcgagg ttaaaaacgc cctataa 1797

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<210> 4366

<211> 510

<212> DNA

<213> A. fumigatus

<400> 4366

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acaaaccaat cgcaaggtct cagcgccgag acggatttgc taatgctcta ttctgtttta 60
gcatctaaaa ccaccttcca ttttgccgcc ggtctctgct ctggcctgac ctctctatc 120
cttctacaac ccgcagacct cctcaagacc cgcgtacaac agtctcagaa aaccgcttct 180
ctctaccta ctatcaaaac gattctttcc tctcctcacc ccattccgcg tctatggcgt 240
ggcacacttc cttcagccct tcgaacgggc tttggctcag ctctatattt caccagtctg 300
aatgcattac gtcaaggctt agcgcagaca gaggtgcca tggccatcgc cgcattccagc 360
agtgatggaa aatcccgtac ctgcctctct gcgctacca aattatccaa ctggggaaat 420
ctagccaccg gtgccgttgc acggacagct gcgggtttcg tgatgatgcc agtcaccggg 480
tcttcaccgc gggctgaagg gcggccataa

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<210> 4367

<211> 237

<212> DNA

<213> A. fumigatus

<400> 4367

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cctcgaggca cagtcgacat gaaatttcta tcccagtcga ggtggttcct acgtgctgt 60
ctagtaggag agattgtccc ctttgccact gcagaaatag gatcatgctc cgaaaccgaa 120
gaatgccaga ccggctgctg ctccaaggct ggctactgtg gttttggtcc tgatttctgc 180
ggcgatgatg tctgcatctc gaactgcgat gcagtagctg aatgtggtgg tatgtga 237

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<210> 4368
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 4368
 catcttttact actcattcgc cggaattgat ccttccgact tcacaataac tactacgcac 60
 gataacgacg cagactattg ggagaagttt accgctctga agcagaaaaa gtccactctg 120
 aaaacataca tctccgtggg aggatgggac cttggaggca aggttttctc cgatatggta 180
 cggtttccgg gatcacggag agccttcatt gactctgccca ttgccatgat gaacaaatag 240

<210> 4369
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 4369
 cttcaggcag tacttataag tttaatttat atcagcactt ggtagcata tccccggcta 60
 gttgcatggt atttcattcca ctttcttcct attgagtcog tcttcccttg gtttctggct 120
 catttccctc ccatttccct cccatttacc tcccatttat ctcccattta cctcccattt 180
 acctcccggg aaccaactca gaacggatag 210

<210> 4370
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 4370
 aacgcccgtt cttcttattt tcttcattcac ttaattcttt tcaacctttc tctcgtcttc 60
 acgatttcgt ccaaaatgcc tgcgttgat gtttcttcctg ttctgtcgt ctctggcaaa 120
 gagactgcc aggtctgctc cgttctcgag gacttgatta agaacctcaa catctcgaca 180
 agcgtgacg aggttcacgc tgccactggc aacctcgcca cctacttcag cggtcctatc 240
 cctgaacaga ctctgcctct caagtaa 267

<210> 4371
 <211> 231
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (187)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4371
 ttgtcaacaa ggatattgag cgcttcattc tcgagctcat caagtgtatc gcccacactg 60
 agaacgttcc cgagactgtt cacttgctcg gtgccaccac tttcgtttcc gatgtcactg 120
 ggccctaccc tcgccatcat ggtccctctg cttgaccgtg gtctcgttga gcgcgagact 180
 gccatcnagc gtaaactccg cgtcattgtc gacaacatgt gtaaactccg t 231

<210> 4372
 <211> 654
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (489)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4372

aaatctctat	atgtactaat	gttcgattca	ctcagagctg	tcgaggtatt	ccagaagcag	60
cttaacaaca	agaaagatgc	cacggctcgt	gagcgtgctt	gcgaggccat	ccgcgctatc	120
gcctcccacc	agaccatcgc	tcttggtgtt	gagccccacc	tcgtctctct	tctcggtccc	180
gtcctcgctg	cttccggtga	caagatgact	gccgttcaga	aggctgcca	gtctgccgcc	240
ctcgccatcg	tgcaggctat	caacgccaac	gctgtcaagg	ctgttgtgcc	tgctattctg	300
aactctctgc	agaacgcca	gaagtggcag	gagaagatgt	gtgctctcga	ctgcctcaac	360
tgcttggtcg	agtcgctcc	tgctcagctt	tccttcgctg	tgctgacct	gatccccgct	420
gtttccgagg	ccatgtggga	cacgaaggcc	gatatcaaga	aagctgccta	ttccaccatg	480
gaaaaagtnt	gcggtctgat	tgtaacaag	gatattgagc	gcttcattct	cgagctcatc	540
aagtgtatcg	cccaacctga	gaacgttccc	gagactgttc	acttgctcgg	tgccaccact	600
ttcgtttccg	atgtcactgg	gccctacct	cgccatcatg	gtccctctgc	ttga	654

<210> 4373

<211> 219

<212> DNA

<213> A.fumigatus

<400> 4373

tctttgaaag	ccagacctct	aaggagtgtg	cacacctgtg	cgatattctt	ggagagcaaa	60
tacagcataa	atttctcggt	gttgtcaaaa	atacagcggc	cttctttcac	aacttcaagg	120
atagaggcaa	gattatcatc	tgtcaaaata	atatcagagg	catctttggc	gacatcgaac	180
ctgcctggcc	tatcgcgatc	ccaacatcca	catgcttaa			219

<210> 4374

<211> 219

<212> DNA

<213> A.fumigatus

<400> 4374

gcatgtggat	gttgggatcg	cgataggcca	ggcaggttcg	atgtcgccaa	agatgcctct	60
gatatttttt	tgacagatga	taatcttgcc	tctatccttg	aagttgtgaa	agaaggccgc	120
tgtatttttg	acaacaacga	gaaatttatg	ctgtatttgc	tctccaagaa	tatcgcacag	180
gtgtgtacac	tccttagagg	tctggctttc	aaagattaa			219

<210> 4375

<211> 696

<212> DNA

<213> A.fumigatus

<400> 4375

cagcacactc	gcatactcac	tattatgatg	gccgtgggaa	caaaatgtat	ggtcaagcgg	60
aatgtgatcg	tgcccaagct	tgactacctt	gaggccttgg	gtgccgttac	caacaactgt	120
tccaacaaga	caggcactct	cacacagggc	aagatggttg	ttaaaaaagt	gtggataccc	180
tccaagggca	tatactcaat	gggtgtgtct	aatgagccct	tcaatccaac	tgtcagtgat	240
gtcaccttta	ccccagtgcc	acccatgcac	tttgaccagg	agaaagaggg	tgctcctatt	300
gacagccttg	agaactctgt	ggctggcaat	cctcgcttgg	aagaatttct	caacgttgcc	360
gctatggcca	atttatctca	cgtctaccga	tctgaacagg	gtgagtggca	cgtgcatggg	420
gaggccacag	agattgccat	ccaagttttt	gcctcgcagt	tcaacttgaa	cagagaccag	480
tggacaaaagg	acgagggcgc	tatatggcac	caaaaagcgg	agttccagtt	tactcgtcc	540
gtcaagaaaa	tgtcgggtgg	ctttacgcgg	ctcgaggggac	aaacggaatg	cagcatggtc	600

ttcacaaagg gtgcgggtgga gcgtattgtc gatgcttgca caagcgctct ctggggaggtc 660
 tccccagacc ctgttgccct gatggatgat cattga 696

<210> 4376
 <211> 381
 <212> DNA
 <213> A.fumigatus

<400> 4376
 caggacaagg cactggaagg ggcaaacctg caatgcaatg aggtcgagcg cgacctctgt 60
 ttccctcggtc taattggatt gtacgatctg ctgtgtccag agacagcagg tgccatctgc 120
 gcctgttacc aggccggcat cgctgtgcac atgggtgatgg gagatcaccg aggaacagca 180
 aaggccatcg cgcagcaagt tggcatggtc ctggctaatac tttcaactgc tgccgcggat 240
 gtggctgatg tgatggttat gaccgctggg gagtttgaca aactcatgga cgacaatgtc 300
 aatgcccttc ctaccctcct gcttatcatt gcacgctgcg caccctaaac caaagtctgg 360
 ataattaaca cgctctactg a 381

<210> 4377
 <211> 603
 <212> DNA
 <213> A.fumigatus

<400> 4377
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 cctgttttct gccgcaaaaa gtctccctgg caaactttac gacaagatga gcagatgaga 120
 gcggatataat cccaggatgt tgatcgatgc ttacaagaga actacttctt ccgtgaaccc 180
 gccaccaagg cgaatgat tgatattctg tttatctatg caaagttaaa cccagatctt 240
 ggttaccgac aaggaatgca tgagctattg ggcctattc tgtgggttat acacggggat 300
 gcggttgatg ggaaggtgct cgaagagtct tcagttaaag aagagggaga tgatttgatg 360
 ctgcacttgc tcaactttga ctacgttgag cactactctt tcgcgctgtt ttgctctgtt 420
 atgcaaacta ctcgagtgtg ttatgagcat aacaaagaac gctctgcca cggccagatg 480
 gatgagatac ctattgtcaa ccagtgtcag cacattcatc agaatctcct gacgacaaca 540
 gacctcgagt tagccgatca tctacaagcg ctggaaattc tgccctcaaat attcctcacg 600
 taa 603

<210> 4378
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 4378
 ccgcacacaa caacgacgtc caaatggcc tgggctccga gagatacgct ccgccctttt 60
 ctctcgttg ctgctctatt cgcattgatt agtgctgtca ttgtcatggg gatcacagct 120
 tgggccgtga ccaagagaga cggctaccga gtgatctatc cgctgggtgat tgtaggtcta 180
 tcgcgctata tgacgggaac tatgttactg accttggcag gccgttctaa caaccgcgtt 240
 ttttattcct gcgatgatag tatcagctat gaaacgtaa 279

<210> 4379
 <211> 1818
 <212> DNA
 <213> A.fumigatus

<400> 4379
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 catgagttct atcacaaact gactaagaat gtgctttact ttgtgtatct cggatttgcc 120
 gagtttgtca cagtctatgt cagcaccgtg ggtttcattt atactggcga acatctcaca 180

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cagaagatcc gtgaaaacta tcttgaggct atcctgaggc agaatatggc ttacttcgac 240
aagttgggcg ccggtgaagt taccacgcgt atcactgctg ataccaacct gatccaggac 300
gccatctctg agaaagttgg tctcactttg accgcattcg ccacatttgt aaccgcattt 360
attgtcgctt acgtcaagta ttggaagttg gctctgatct gtacctcaac tatcgtcgcg 420
ctggatcatg ttatgggagg tgggtcgagg ttattgtga agtacagcaa gaaatctatt 480
gaaagtatat gtgctgggtg aactgtcgcg gaagaagtca tcagctccat tcggaatgct 540
accgctttcg gcactcagga taagctcgcc aagcaatacg aaacccatct ggctgaggct 600
gaaaaatggg gcgtcaaaca acaggtcac cttgggtatga tgattgggtg tatgttcggt 660
atcatgttct cgaactatgg tctcggtttc tggatgggat ctgcttcgt tgcggtataa 720
gaagtcaacg tgggccaagt tctgacagtt ttgatgtcta tcctgatcgg ttcggttcagt 780
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cttcagtag gaggccaggt attgctggac ggccatgata tccaaaccct caacctccgt 1140
tggctgcgac agcagatctc tctgtcacc caggaacctg ttcttttcag caccacgatc 1200
tttagaaaca tcgaacatgg cttgataggc accaaattcg agcatgagtc gaaggacaag 1260
attagagagc tcgttgagaa tgcggccaga atggccaatg ctcatgattt tattatggct 1320
ctgctgaag gttacgatac gaatgtgggt cagcgtggct tcttactttc aggaggtcag 1380
aagcaacgta ttgccattgc tcgtgccatt gtcagtgaac ccaagattct gttgcttgat 1440
gaagctacat cagctttgga taccgaagtc gagggcgctg ttcaagccgc tcttgataaa 1500
gtgcccagg gtagaactac cattgtcatt gctcacggt tgtcaacaat caaaacagcc 1560
cacaacattg ttgccatggt cgccggaag attgccgaac aggggaacaca tgacgaattg 1620
gtcgatcgca aaggcacgta ctataaactt gtggaggcgc aacgtatcaa cgaggagaag 1680
gaagcagaag ctctggaagc cgacgccgac atggacgcc atgattttgg tcaagaaggg 1740
gttactcgca tcaagactgc agttagcagc tcgaattctc tcgatgctgt agatgagaat 1800
gcgcgcttag agctgaag 1818

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<210> 4380

<211> 591

<212> DNA

<213> A.fumigatus

<400> 4380

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cagttgggaa cagcaattga tttcctttac gaagcgtcca aggccaacga ggacgggtaca 60
gaccatgtat ttctgcatca agcgattctg aacgcgaaag gagcaaccca gcttgactgc 120
gtcaaaaccg ccgagcttaa tggaggtatc acgcgtcgag tcattctgac caaagaccct 180
gagaacatca aagctatcct tactggacaa ttggccgatt atgggaaagg tgaggaattc 240
catgaacaat ggaaagactt tctaggtgac agtatcttcg ccacggatgg tgagctctgg 300
tcccgttcac gccatctcat ccgacctatg ttgtccggg atcgcatcgt tgacactgaa 360
atctttgaga aacacgtcca aaacttgatt cctctgttgg aaggagagcaa ctgcccagc 420
gggagcaagg ccgtcgatgt cggttctctg tttttccgct tcacctgga cgcagccaca 480
gattatctcc tcggccaagg caccaacagt ctgcacaatc cggagactag atttgagag 540
gcctttggat atgtgaagca tcgccaatcc gagatctttc gtttagggta a 591

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<210> 4381

<211> 903

<212> DNA

<213> A.fumigatus

<400> 4381

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cggaactca aagtgatgga tgacttcttc caaccataca tcaaacgagc cctctctctg 120
acaccttcgg aactcgacca gaagatctcc aagagagaaa ccttctgga cgccttagcc 180
cgcttcactc gcgacccgcg cgtcctccgt gaccagatcg tcgccgttct cctagcgggc 240

```

```

cgcgacacca cagccgctgt cctgaccttc tgtatctttg aactagcccg caaccctgat 300
gtcgtcgcca aactgcgcga ggagatcagt gcccgactgg gtctcgcccc ctcggccag 360
aaatccagct acaacgacct caaggagatg aagtacctga acgccgtcct caacgagacc 420
atgcgcctct acccaccgt tcccttcaat gtccgctatt ccctccgtga cactgacttg 480
ccgcgcggcg gggggccgga cggcctctcg ccagtcggtg tccgcgcca caccgcgctc 540
atctactcga cgatgatcat gcagcgaagc gcagaaaact acgaccccc gggctcgcct 600
aactacttgc atccagagaa atggttacct gaccggtggc tgtctgggtg gcagcccaaa 660
ccctggcagt atatccctt caatgggggc ccgaggatct gcctcggta gcagtttgct 720
accatcgaga tgggttacac cgttggtgcgt atcctgcagg cctttgagag gatccatgcc 780
atgccggcca atgggaagga gcgggttgag gaccagtgct tgaagtttga ggttacgctt 840
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tga 903

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<210> 4382

<211> 1128

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (102)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4382

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cttctttcat gcatccgggt gtgttgttcc gtttgcgcaa tcatcatgcc cgagagccaa 60
cccttggaag aacgattgct gaagcaaaaa agagagagcg cncaagcaaa gcagaaagta 120
gcgtacgctc tggcgatgta caagcggaca tttctccaat cacctcgtct cactcaagca 180
atccgtaccc tgtgtacacg tcatccattg ctgtcgccta ccgtccgctt actcaaacac 240
tggttccatt gtcattctctt caaaggatcat gtatgcgacg agttgatgga gttgttcgca 300
gttcgggtat tcacgcagtc gtatccatgg gatacgccgt caagtgtcat ggctggcttc 360
ctgagaaccc tccatctgct ctacgggtgg gattggcagc aagagccgtt gatggttgac 420
ttgggcccgc agttagatca aaatgcagtt gaagtgatcc gcacgcgttt tgacgcttgg 480
cgaaagatcg atccggcgat gaataatgtc gctctgtttg tggcttctga tattgatact 540
gacggaatat cctggacaca gtatgagatg ccttcgaagg ttgtggcagc tcgcatgtcc 600
tctttggcaa aggcggctgt gagattgatg cgggaaaaag gatatgccct cgacgtttcg 660
gacctttttc atacatcttt agcaccttac gattttgttt tgagttttacg gtcgaaagca 720
ctcacggaag tctagcacc accaccacca tgcgtcatcat catcatcatc caaattcaag 780
aatctgcaac aacagatcat tccagagcga gccgataggc tcacagtggc cagaacattt 840
gttcgcgaat tgcaggcgtg ctttagtcca aacattctgt tctttcatgg cgatgagcag 900
tgcgacgtga ttgcaggcct ctggaaccca tctacggtca agcccaagggt ttggagcctg 960
aagatgacat actccacaaa acctgttgcc ctggtgaaac cggaggtgaa gggcagtgaa 1020
gatgtttcca tcaaccaaac ggctatcttg aacgaaattg cgaggttagg ggcacatttg 1080
attgaaggga tagatgtgta caacgaagac gcggaaaata gtgcttaa 1128

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<210> 4383

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4383

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gaagatcatt gggcggtgat ctgtattgga ccgagtcagt atctcatccg tcgcctgact 60
gggaatagta cgtactacgg tcgcacggcc attggctggt acctgggtct tacaactctt 120
tacagtcttc ctctcagacc gtttcgcctg ctggactttg gggagttatg gcccgtagt 180
tacattacag ctttcactat agaatcctgt ccttga 216

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<210> 4384

<211> 255
 <212> DNA
 <213> A.fumigatus

<400> 4384
 cgacaccaga ccagtcaaag ccttgacatc aagagggcag aagacctctc ctcagtagag 60
 ctctgaacc cattgggggc gctctatcct cacgtcgtcg ccctccaact ccaatccgac 120
 gatacccat ggatccgagc caaaaactcg cctggctatc gcgaccccaa ttcctggata 180
 gacgtatact ccaccgagga ttattccaag ccgtcggcgc gcagaaactg tggtagagttt 240
 atccatcaca tttga 255

<210> 4385
 <211> 819
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (580)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4385
 ttccacggtc tggatccttc cgtcccgtgg agagcactcc tgctcgacca agtcctcaac 60
 gacttcaacg ggctgcagca gtacgccctg gtggacatca agtatgcggc gcgagtggcc 120
 gacaccggac tctcggacga cgaggccgcc acgatccccg tcaacgtcgc cacgggcttc 180
 gtgggtgttct tcgcccagag cggcttcggc ctgcctctgc ccgacagcgg cgtcgacttt 240
 gactatgcat cgcagaagct agtggatgat ggcgcggcga ccaactgcgg ccgctatgcy 300
 atccaatttg ccaagtggct gggctttggg gttatcgctc ccgtggccgg gctacggagc 360
 gcggaggagc taaggagct tggagctacg catgtgggtg atcggcatgc ggacgatgtg 420
 ctcaggcaag tgcgggatat cgtgggcgat gagctcgtct acgcgctcga tgcgttcaat 480
 ttccggccca agcaggagct ggggggttgc gtgctttcgg actcgcggcg ggggacgctg 540
 gccacgctgg cgcggcggtg tggggagctc gatcgcgcgn agattggaga gaagcgggcg 600
 ggatatgaga ggcggtttat ccgggggttc tgtgccaatc attcggatga ctttacgaag 660
 ttgttctggg agaggattac ggggtggttg aaggcggggg tcatccggcc gagtaggttt 720
 cgggttattg atgggttgga tgcggatgag atcaatgctg cgttggacga gtatcgatg 780
 atgacagggg tgaaggtgca agtccatcct aatgtgtga 819

<210> 4386
 <211> 549
 <212> DNA
 <213> A.fumigatus

<400> 4386
 tcacaaacag tcgtgacaga agccgtggca gttgcgctgc acgattcaga agttgatgtc 60
 tcttctcct cagagccgcc accacctcct tcttgagac agctccctag acgcgcaaca 120
 gaaaagttat gtcagcgtca tgcacgatgg gcgaactatg atatcggtgc ttggttattg 180
 aacactgttg actcaccaga tccgcatact gggccgcaac cgagaagacc acaccctccc 240
 ccgcagaatc ctaagccaca gctccatca cacccaaaga aaccacattc acccccacaa 300
 ccaaagaggg aacaatcgat ctttccacaa ccagtggctc cgctccaga actacatccc 360
 ccattcgagg gtgccttccc gtcggagtat gtgagtatgg ggatacttgt tccaggcggt 420
 tggattgatg tcgctgtcgg ctgtggcgcc acggtaataa catgtgaatt gccacagaag 480
 gtcacgggga tgggtgtata tgacgtggta ctcgtagctt tagcaacagc gacgcctgat 540
 atgggttag 549

<210> 4387
 <211> 213

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (26)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4387
 cccctcccc gcattaattt ggttcngggc ggctaccttc catccccggc gtgtacacac 60
 gctgtccaaa gtggaattgt ttccgattgt acagagttct ataaagcaat cgccggcgat 120
 ggatgctatg ccattgcaac cgcgacgat atcacacttg cgcaattcat cgtaagttat 180
 gcgagactaa ggaacaccat taatccttac tga 213

<210> 4388
 <211> 648
 <212> DNA
 <213> A.fumigatus

<400> 4388
 cataactttt ctggtgcgcg tctagggagc tgtctccagg aaggagggtg tggcggctct 60
 gaggaggaag agacatcaac ttctgaatcg tgcagcgcaa ctgccacggc ttctgtcacg 120
 actgtttgtg actatgctg tccagacgga gcatcgacat cctgtgccac tctctgcacc 180
 tegttagacta ttagctgtga gctaccggg ttgggttaatt tcgcaccggg cactgtggac 240
 gcagacgcgc tgccactcac attacttgag gcctccgatg aggccatgac atccgctgcc 300
 gaatctgtag catcctgggt gaaccccaaa tacactagcc tagatcctgt catgataagt 360
 ggcaccacca tcaactgcac cgctacagcg cccgcgggtga cgacgtctgc ttcaatcacc 420
 tccgccactg ctatctcggc ctctcttctg gatatacaaaa gcaccagctc ctctctctac 480
 tgctcatgtg atggaggata tggcgtgaca ctgtcaacca aagctaacaa gtccaaaacc 540
 accttcctgg tctgtgatgt cactccagcc ctgacaattt ccactatcaa gccgacgacg 600
 accagcacca aaccgtcttc accacggggg tcgaaggatc cgcgctaa 648

<210> 4389
 <211> 519
 <212> DNA
 <213> A.fumigatus

<400> 4389
 ctccatatga taggtgaatc ggggtcttggg aagtcgactc tcgtcaacac tttgttcaac 60
 acctccctct accctcccaa ggagcgtacc ggcccgagtc atgacatcat cccaagaca 120
 gtatctatcc aatccatcag tgcagatata gaggaaaatg gcgcgcgtct tcgcttgact 180
 gtggctgaca ctccgggctt cgggtgatttt gtcaacaacg atgactcgtg gcgccctatc 240
 gtcgaaaaca tcgagcagag atacgatgcc tacttgaggg cggagaacaa ggttaaccgc 300
 acaaacattg ttgataaccg tatccacgcc tgtgtctatt tcatccagcc caccggccac 360
 tcgctgaagc ccctcgacat tgagggtcatg cgtagactgc acaccaaggt caacctcatt 420
 cctgtcattg ccaaagccga tacattgacc gacgaggaga tttccctctt caagcagaga 480
 gttagtagcc cagcttttc atcgatcctg ggtcagtaa 519

<210> 4390
 <211> 228
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (176)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4390

attctcgcag	atatccagca	ccattcgatt	cagatattcg	agggaccccc	ctatgagctt	60
gacgacgagg	agaccattgc	cgagaaccaa	gagattatgt	ccaaagttcc	tttcgctgtt	120
gttggtgcc	acaccgaggt	caccacagct	gatggccgta	aggtgcgcgg	tcgtanctat	180
ccttggggcg	tcattgaggt	cgacaacgaa	gaacactgcg	actttgtt		228

<210> 4391

<211> 663

<212> DNA

<213> A.fumigatus

<400> 4391

agcgcggttc	cttcacagccc	cgttgtgaag	attcgagatt	cttttgcac	gagctacgtt	60
gttgtgccga	cctctccgcc	aactccccgt	caattatcac	ttgtcatcct	cctgagttct	120
acttgctaca	acaaaacgat	gtcgggtggcc	tcggagaatc	ccactgtgga	ggagcatcta	180
ccattggaat	ctttgagccc	gaccatcagt	tcgctgcaac	agaagccggg	atcgacgacc	240
ctttcactat	cctctctcct	gccagggacc	tatccgtctc	gaagtgaaag	ccgaatccca	300
tatgactttg	ctgactcttc	ttcggatgat	gtagcttcac	catcctctcc	tgccaatggc	360
actcccgc	ctgtcaagga	atcacctgca	cctagcagcc	caggatctcc	ttacgttgag	420
cgtagcaacc	ccatgggtgc	tggcaacgct	cagacagtta	gctctaagga	tccaaaagct	480
gtggctcaag	ctgccacgga	catgaagaac	gtcgttcgcc	gcaaactgac	tggtacgtt	540
ggtttcgcc	atttgcccaa	ccaatggcac	cgcaagagt	tgccgaaagg	attcaacttc	600
aacgtaatgg	ttgttggtaa	gtttcgtccg	aatggtgttc	ggaagcgaag	ccaattccga	660
taa						663

<210> 4392

<211> 555

<212> DNA

<213> A.fumigatus

<400> 4392

tatgtgactg	cgtgcttcca	agtcaatctg	gggcaggcat	atctcctgag	aggcttctat	60
ttcaaatact	gctggttgct	gaccttatgg	ctaagtatgt	tctgctggtc	ggcatccttt	120
tatccgcagc	ctatcagtaa	ttttcgacga	cgttcaactg	tcgggctggc	cattgacttt	180
cccacaatca	acgtcctggg	cttcgtctgc	tatacagcat	atacatctgc	ctttctttac	240
tctcctgtga	ttcggcggca	atacgtgcc	cgtcaccctt	cggatgagga	gtcgacagt	300
cgcttcaacg	actttgcctt	tgccttgcat	gctgtcatcc	tcagcacgtt	agtttacaca	360
caatttttggc	ctaagatctg	gggtttcaaa	gtctcccgt	tccagaccgt	tagtaagccg	420
gttcttggcc	tcttctgggg	ctccaatgca	gcaataggt	tagtagtttg	cattgtgttg	480
gttaagagcc	ctgacggagg	atacgatcca	tccacctggg	catggatcga	cgtggtaagt	540
ggtttgagac	attga					555

<210> 4393

<211> 603

<212> DNA

<213> A.fumigatus

<400> 4393

cgacctaatg	catcgcggat	cggcaggccc	gtggtgaaga	tgtgtggagc	ttttggcatg	60
tgcgtcagcc	agcttatcgt	cgccatcgtt	ggcactgcc	cctcgtccga	cgtgggcaac	120
aaagtccctga	tcgccttcgt	ctgcatctac	atcttcttct	gcgcctgctc	ctggggaccg	180
gtggcttggg	ttgtgactgg	ggagctgttc	ccgctcaagg	cccgtgccaa	gtgtctctcc	240
atcaccaccg	ccaccaactg	gctgctcaac	tgggccatcg	cctacgcgac	tccttacatg	300
gtcaacagcg	gcccgggcaa	tgccaacctg	cagtccaagg	gtttcttcat	ctgggggtggc	360

ttctgcttca	tgcggtttgt	ctttgtgtac	acctgcatct	acgagaccaa	gggtctctct	420
ctcgagcaag	tgcacgagct	gtacggcaag	gtctccaagg	cctggaagtc	gagtggtttc	480
gtccccacgg	tccacttcac	cgatgtccgg	gatgtggccg	aaggacacca	gaaggccagt	540
ctttctcagc	ttgaggttga	tgctcaagag	aagcacaagc	tggaacatct	ggagaaggcg	600
taa						603

<210> 4394

<211> 498

<212> DNA

<213> A.fumigatus

<400> 4394

ctggggagct	gttcccgcgc	aaggcccgtg	ccaagtgtct	ctccatcacc	accgccacca	60
actggctgct	caactgggcc	atcgccctacg	cgactcctta	catgggtcaac	agcggcccgg	120
gcaatgccaa	cctgcagtc	aagggtgtct	tcctctgggg	tggtctctgc	ttcatcgctg	180
ttgtctttgt	gtacacctgc	atctacgaga	ccaagggtct	ctctctcgag	caagtcgacg	240
agctgtacgg	caagggtctc	aaggcctgga	agtcgagtgg	tttcgtcccc	acggtccact	300
tcaccgatgt	ccgggatgtg	gccgaaggac	accagaaggc	cagtctttct	cagcttgagg	360
ttgatgtcta	agagaagcac	aagctggaac	atctggagaa	ggcgtaaata	tgtttctttc	420
cctctagtcc	ttttggggagc	atgcatatct	ggttcattgg	cacttcttac	ggcgcatatg	480
gagataacctg	gattgtga					498

<210> 4395

<211> 480

<212> DNA

<213> A.fumigatus

<400> 4395

ttgtgtcgct	ggtatgttgc	agcccggccc	tgggggaccc	gatcgcatct	actgatatct	60
tggtcgcata	agatcctggg	cgctcgggcc	accgttttcc	tcacgcaatg	cgtgcaacat	120
ggctttggca	agaatctcct	ccttctcgct	aaggaaaaac	cgcacgatgt	ccaactcgct	180
ctgaagtaca	tgcctatcca	agtgcgcgatt	gtgaccatca	gcaccacat	cgcccgtgct	240
tccttcgttc	tctacctcct	ggccattctc	ggaacaata	aaaagtacca	gatcgcgcta	300
tggaagggtga	tggtgctgca	gttcgcccgc	aatgtcgtct	cggctgtgct	gccgctgagc	360
atthgtcgca	atgtgcgcg	tctctgggac	cccacgacga	aaaccacctg	tggggatgtc	420
cacgcgctca	tcaagtttgc	ctactactcc	aacagtaggt	ctccattgct	gtctccatga	480

<210> 4396

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4396

cgggtgatag	ccgcaaactc	ggcctgtgac	ctgtttctgg	cgtttttccc	caccctcctc	60
ttctggaatc	tcaacctgaa	gatgcgcctc	aagatcagtt	tgatcctcct	cctcagtcctg	120
ggcattctgt	atgttgcctc	ccccctcct	ttgatcatca	tgatactgac	cgtccagtcg	180
cctatga						186

<210> 4397

<211> 801

<212> DNA

<213> A.fumigatus

<400> 4397

ccaatgtcat	cccaacctct	cccccgagtc	ctcttctctg	acgtctttgg	caccgtcgctc	60
caatggcgca	cctccgtctc	cgaagctctc	cgtagcgcag	cacagagcgc	actccgagac	120

ccagagaaga	atctccccga	cgccgtgcgc	gccaaagcct	cgtcaatgac	tcaatcggac	180
tggcttgaca	taaccaaga	atggcgcgag	tcgtactacc	acttcaccgc	gaactccgat	240
ctatcaaagc	ccttcgtctc	cgtcgatgag	caccactact	cgtacctcct	caagctcctt	300
caggccccag	gtctcgagac	cctgttcacc	gatgctcaga	gatgggatct	cgcgctgagc	360
tggcaccggc	tgcgcccggtg	gcgggatagc	gttcgcggcc	tggagctcct	gaaccgcaag	420
ttccgcacct	gcacctgtc	caacgggaac	gtggcgctgc	tgcaggatct	ctgtcggcac	480
ggctcgctgc	ccttcacaga	ggtgctaagc	gcagagcact	ttggggcgta	caagccgtcg	540
ccaaaggctc	acggcggggc	tgcggagagg	ttcggactgg	agccgggaga	gtgtgcgctt	600
gtggcgggc	atctggggga	tctgaaagct	gccaaagcct	gtgggttcca	gacggtttat	660
gtggagcgtc	cgaaggagga	gacgttggac	atggagcagg	cacgggagga	gggatatgtg	720
gatatctgga	ttgatgcagg	ctgcgacgga	tttgttgaac	ttgccaggcg	gtttagcctt	780
gatatcgagg	ccaaggcgta	g				801

<210> 4398

<211> 279

<212> DNA

<213> A.fumigatus

<400> 4398

accgcctggc	aagttcaaca	aatccgtcgc	agcctgcac	aatccagata	tccacatata	60
cctcctcccg	tgctgtctcc	atgtccaacg	tctcctcctt	cggacgctcc	acataaaccg	120
cttggaaccc	acaggctttg	gcagctttca	gatccccag	atgcgcgcgc	acaagcgcac	180
actctcccg	ctccagtcgc	aacctctccg	cagccccgc	gtagaccttt	ggcgacggct	240
tgtacgcccc	aaagtgtctc	gcgcttagca	cctctgtga			279

<210> 4399

<211> 495

<212> DNA

<213> A.fumigatus

<400> 4399

ccagcggcac	tttcgcagcc	ctcaacggcc	ttttcgctaa	actgtatgtc	cccaagttct	60
tctaattggca	actcgcattt	tgaagcagat	cattcgctga	taggagtcag	aacaaccgat	120
gagcaaacca	cagcgttcac	caggagtatc	tcgcatctct	tcggcgcagg	ggatcaaaaat	180
acgtttcttg	aattgttggg	tcgaggtgta	cgtctccctt	acctttcctg	cgttttgaag	240
gattttgtttg	actttgtaaa	ggtttgtctg	ggactcaatg	tcctgtgtaa	cattatcatg	300
tgggcctctc	ttacgagagc	gttgaccgcg	tctcctcca	cgaccaaaagt	gtccatcact	360
aacacgtcgg	caaactttct	catcacggcg	ttgctgggta	tgattgtctt	tcgggagaag	420
gtgagtgggc	tgtggtggtt	gggggctgcg	atgatgggtg	gtgggtgtat	tttggtcggg	480
atgagggatt	catga					495

<210> 4400

<211> 336

<212> DNA

<213> A.fumigatus

<400> 4400

aagaagtgca	cagtctacgc	gccaaagggtg	gtactatttc	caggccttga	ttgccctggt	60
ttcctcgggc	tggcgcttac	aactggttca	ggtatcggtg	ttgctgccta	taatctggga	120
tgtttcgccg	gttcgattcc	cacaatctgg	gtgggtaatt	ggctgggtcg	ccgcaagaca	180
atcttctctg	gttctgcgat	catggtgggc	ggagcgatct	tgagtggtac	atcctaccat	240
ctcccgcatg	tgatcattgg	tcggttggtt	accgggtttg	gtgagtttat	ccgcttaaac	300
agggatatcc	ccgactcaag	cagatccatg	tgctga			336

<210> 4401

<211> 507

<212> DNA

<213> A.fumigatus

<400> 4401

gcagtttgggt	cgtcgggtccc	tgatgttggt	tggggccgct	gggatgtcga	tctccatggt	60
gatcctggcc	gtcactgcga	gtctcggcac	cgatgcatcc	aaagtcgcct	gtgccgtctt	120
cctctttgtg	ttcaacacct	tcttcgccat	tgggtgggtg	ggtatgacct	ggctgtaccc	180
tgccgaaatt	gtgcctctga	agatccgtgc	cccggccaat	gccttggcta	cgtcctcgaa	240
ctggattttc	aacttcatgg	tcgtcatgat	tactcccgtg	gcattcgaga	acatcaaagt	300
gcggacctac	attatttttg	ccgtcatgta	agctaccctt	actctctggt	tccggtacag	360
acgctaacc	ctgacagcaa	cgcggccatc	ttccccgtgg	tctacttctt	ctaccccgag	420
actaccagac	ggtctctgga	ggaaatggac	cgaattttcc	gaaagaacag	gagcatcttc	480
tctgtggttc	aggttgctac	ggattga				507

<210> 4402

<211> 432

<212> DNA

<213> A.fumigatus

<400> 4402

gttttgggatg	gatctatctt	ctctggcatt	ggcgctttcc	gcgagcgata	tctgactggt	60
ttctcgacta	gttacgatca	aggtgtcact	ggtgggtctt	taaccttga	gtcattcatc	120
aaataacttcc	caacgatcgc	ccttaacgga	ccttattttg	aaagcctgag	cccgtctgaa	180
agaagtgcac	agtctacgcg	ccaaggtggg	tactatttcc	aggccttgat	tgccctgttt	240
tcctcgggtct	ggcgcttaca	actggttcag	gtatcgttgt	tgctgcctat	aatctgggat	300
gttttcgccgg	ttcgattccc	acaatctggg	tgggtaattg	gctgggtcgc	cgcaagacaa	360
tcttctctcgg	ttctgcgatc	atggtggtcg	gagcgatctt	gcagtgtaca	tcctaccatc	420
tcccgcagtt	ga					432

<210> 4403

<211> 996

<212> DNA

<213> A.fumigatus

<400> 4403

acagggatat	ccccgactca	agcagatcca	tgtgctgatt	cagatgacac	aggtaaatggt	60
atgaacacct	cgacagtgcc	tacatggcaa	tcggaatgct	gcagatccaa	ccgcctgggt	120
cagatgggtca	tgatcgaagg	tgccatgatc	acttgcggca	ttaccaccag	ttactggatc	180
gatttttggtc	ttctgtttgc	ggaccccaac	gaagtggcct	ggcgtttccc	cttggccttc	240
cagatcttct	ttgcagcgat	tatcctggct	ttcgtcatgt	ggcttcccga	atcaccccgc	300
tggcttggttc	tcaagggccg	cgaggatgag	gcgaggcaga	ctctgaccgc	tttgctgggt	360
cacgacgcg	atgagacttt	tgtcgacacc	gagtttaccg	ccatcaaggc	taccgtcctg	420
gagatgagca	agggttcgtt	ccgcgacatg	ttcaccatga	ctgaagatcg	ccacttccac	480
cgcaccgtgc	tcgcctacgt	caaccagatg	ttccagcaga	tttccggaat	caacctgatc	540
acataattaca	ttcccgttgt	gctggagcag	cagctgggta	tggacatgat	caagtcccgg	600
ctggtggctg	cttgcaacgg	aacggaatac	ttcattgctt	cctggattgc	cgtgttcacc	660
attgagcagt	ttggctcgctg	gtccctgatg	ttgtttgggg	ccgctgggat	gtcgatctcc	720
atggtgatcc	tggcgcgtcac	tgccagtctc	ggcaccgatg	catccaaagt	cgctgtgcc	780
gtcttcctct	ttgtgttcaa	caccttcttc	gccattgggt	ggttgggtat	gacctggctg	840
taccctgccg	aaattgtgcc	tctgaagatc	cgtgccccgg	ccaatgcctt	ggctacgtcc	900
tcgaactgga	ttttcaactt	catggtcgtc	atgattactc	ccgtggcatt	cgagaacatc	960
aaatggcgga	cctacattat	ttttgccgtc	atgtaa			996

<210> 4404

<211> 366

<212> DNA

<213> A.fumigatus

<400> 4404

gaatcattca	tcagcaccgc	catcgatcatg	agaggcagca	atattctgga	acaaataaca	60
ttaatctttg	tgattatgat	aaattcaacc	ttccaaatag	gcatcatttt	tgtagtgctg	120
aatatccttc	ttgatctcct	tgtagctagg	tataaatact	ttgataacgc	taccagtggc	180
ggtggatggt	ctcctatacg	aagcggcact	gaacccgacg	acccttttgc	ttcattctcc	240
agcaccaaca	tcattaccgt	caagacgatt	catagtcctt	accactgtct	ggtaagga	300
aacatcatca	tcgacataac	taacaataat	tatagcaaag	aaagtggact	tttaagcctc	360
ttctaa						366

<210> 4405

<211> 345

<212> DNA

<213> A.fumigatus

<400> 4405

ctatcttctt	ttctctcgtc	ctcctctctc	ctactctctc	ccccctact	tcgaacttct	60
ctccctccta	cacaacaacc	ttctcccaac	ttacgtactc	aaactcaact	ttccatccac	120
ttccctctta	tctcggttca	ccctccatc	agtcttata	ctctttctct	tctctttaat	180
ttttcttttt	ttttcttctc	tgtagttttc	cgtcttaata	ctatttctgt	caccatggaa	240
ggtacgtggt	ttcttgacac	ctcaacagct	ttgcttgggt	tccttgccac	caaacaaccc	300
cccgttccaa	ccccctcct	gctcgcttgc	tctacacca	tatag		345

<210> 4406

<211> 573

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (531)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4406

cctccctggt	tcagggtgat	atgggggatc	cttgagttct	ctctgggcat	ccagttgtcc	60
gacgaggaca	ttaaacagat	cagacatatc	ctggacgttg	cagaccggat	cttcgtcaac	120
accaaggact	atttcagctg	ggaagtggag	cgcgatcgtg	acccgagggg	gcaaaacacg	180
gtcaagacag	tcattggacag	cgagggtaaa	tccgagcagc	aagccaagga	gaaactccga	240
gtcgcgatcc	tgaggagcga	gcgaaagtac	aaactcttaa	tgaaacagtt	cgcactttca	300
actctagatg	ccccggcaca	tgtgcaaaga	ttcctagtca	tgcttgaggt	gcttctcggc	360
ggccatcata	tctggtctgc	tgctgtgga	agatacaaac	gtcgcgctcc	atctgtgggg	420
aatcccttcc	ttaggagaga	aagcatcata	ccaaacagag	tcgaggacgc	gaatgagagc	480
gccgcgagtc	ccgtagccct	gggcaattcg	gctctcctgg	atccatcgca	ntacatccgt	540
cttcaccagc	cgccctggaa	aataaagaat	cct			573

<210> 4407

<211> 420

<212> DNA

<213> A.fumigatus

<400> 4407

cggatcccta	tcttggtggt	actggccgag	gtggaggcta	accttgcgga	ggaagatgtc	60
agagacagag	acgagctcgg	gcataccacc	gattatcata	aaatggctgc	gtcggcttta	120
cgggctccc	taggagtcgg	taccgtgagc	tccatgcacg	gcttgaaagg	aatgcattc	180
atgtcgaggc	acctaactgc	attcatgacc	aagtacgggg	cggccggcaa	agcgcctcatg	240

gcaagatgct	tggacaactg	ggtccagccg	caggagtcac	gagtggaaac	agagcctgtc	300
aattttgagg	attctgtggc	ccgccgagtc	gtgactgtcg	ggacaaggta	tgtcttcttg	360
gccatggcag	aaagtgcata	cctaacctcc	ctgtttcagg	gtgatatggg	ggatccttga	420

<210> 4408

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (43)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4408

aggattcttt	atthttccagg	gcggtcgggtg	aagacggatg	tantgcgatg	gatccaggag	60
agccgaattg	cccagggtcta	cgggactcgc	ggcgctctca	ttcgcgctcct	cgactctgtt	120
tggtatgatg	ctttctctcc	taagggaagg	attccccaca	gatggagcgc	gacgtttgtg	180
tcttccacag	gcagcagacc	agatatgatg	gccgccgaga	agcacctcaa	gcatgactag	240

<210> 4409

<211> 1812

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (185), (250), (255)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4409

ccgaacttgt	acaaccaga	ttcaagttha	ttcttcagga	aacggatatca	gtttcggccc	60
ttttcaccgg	aaacctattc	catgcctaag	aacttcccgg	attgcctgtt	cgccccatc	120
cccatgggga	atcttaagct	gcttgtcagc	ggaaattata	tagtgtgggc	gtccgggtgc	180
agtngaaagg	tgtatgtatc	ggccttaaac	cctttctcac	agtcattgtc	atatcagtgc	240
ttgggtaaan	ctggnaacaag	tgtacagaca	cgagaggctc	ggcgatactc	cacatcatcc	300
agttccactg	atccggatgc	atctcgcaac	gactccccac	atggttcagc	cgtttcagat	360
taccctgtgg	tggcgcttag	aggacgatgg	ctagcaatag	tgccaccatc	ctcaacttat	420
agagcctcta	tttgtggaag	ggtgcccgcc	tcacttattc	aaggcaaagc	ttttgggctc	480
gagacgcgta	gtcctccagc	caaaccgcca	gtcacctccg	caacggacgt	tggcgaagg	540
gagagcctct	ttgacaaagt	agcaaggggt	gtcacacaag	agctggtagc	tggcgcccgc	600
tggatgggtg	accaagggct	tcaagcttgg	aacagttact	ggaataaaga	ccagtctcag	660
aacacgtcct	cgcgcgcgatc	tccaaattht	atggatttgc	cgcaacaagg	atacagtctc	720
ttccctccaa	cacacgcccc	ggaaactcaa	actacttctc	ctacagaacc	cgattttgtc	780
tcaatcctgg	atthtgagacg	attggatgat	ggcggcgagg	caaagaatgc	tattctcaat	840
cccatcggtta	ccttccaggc	ccctaattga	tgtagcttct	tgtcattctc	ccctaattgg	900
ttgatgttgc	tcacggcgag	caagaagggg	gatgtacagt	acgtttggga	cttgatgcaa	960
gccaggcatt	gccggggcagg	ggtcttcttt	tccgaggact	ccacaccgcc	atcagccaat	1020
gtgcgacaag	ttgcgcgggt	tgcacgtctt	actacgtctt	ctattgtcga	cgtgatctgg	1080
tccccgccat	ccgggggatcg	cctggcagtg	ataaccgcga	agggcacagt	gcacgttttt	1140
gaccttctct	gcagtgcctt	ccagtggcct	ccgttccggc	gagctcgtcc	ccaacccccac	1200
aagtcaacaag	ccaacaattc	ccccacggac	gaagcgactg	acagaggggg	tgtgacgaat	1260
ccgctatccg	ccgctttcaa	actcgttgg	gggaaaacac	agcctatcct	ggctgcagtt	1320
agaggtcgca	ctccttccgc	tagctctgca	tttctctcag	tcagtgcgtt	cgcaatgccc	1380
tccgcagctg	gagtgcgaag	cgggaagggcg	gttgcgtgctg	gcctgagcaa	atccatgggt	1440
gcagcaactg	gtacagtcaa	tactctccgg	cacgctgggtg	aaaatagact	gcattctttcc	1500

gggtctcgccc	gtgacccagc	cgcggtccgc	gttggtctgga	tttcgaacaa	agggcagttct	1560
ttcctgggtg	tggtaaacia	tggattcttt	ccgctgtacc	gggtcaaaaag	atccatgtct	1620
tctcacagga	atcgccaact	gcagtcgggt	attggaaaca	aggaaattga	gtacaagttg	1680
cctgcaaacc	ttcaaattcc	atgcgggtcca	ctgctgattg	ggaaattcgc	ccatgaacac	1740
actgtttctg	ccatcttaac	tctgccgtcc	tttaaactcg	ccggcccacc	aatacctcca	1800
agatcagatg	cc					1812

<210> 4410

<211> 285

<212> DNA

<213> A.fumigatus

<400> 4410

gacacgtttt	ttatttttagc	acagggaatg	cggtgcacaa	accaacagat	tctaggcaat	60
ctggccattt	tggagttcga	ggagagtaat	tttattatta	gcgctaatac	tctttttacc	120
ctgacttttg	ttttgcaaga	ggggtacggc	tccatgactg	gtctgtgtgt	gacaacgatt	180
ttgcatcaat	tccagtacgt	actactcctg	gcaggctgca	tcaagcaccg	ccttcatttt	240
ctgctgcctg	tcattgctgg	accttggttt	tggcgattac	aatga		285

<210> 4411

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 4411

ggggaggaaa	tccgtagatt	attggccacg	gaggacgaac	tgcgatcaaa	attatatctc	60
actatgtggt	tttcaaagga	aggattcttg	tggattcccc	tgtcaacaaa	agaaggcctc	120
cgtaccgatg	cagtgattca	aagggtccgtc	catataaggc	agagctacga	tgtcattgtc	180
atcggggccg	gatttgccgg	gctcattgca	gcacgcgacc	tcagccaaaa	gcatcacctc	240
aaggctctca	ttgtggaagc	cagagatcga	attggtggtc	gcacttggac	agcgcaagtt	300
cttggggaag	aaatggagat	gggaggaacc	tgggtacact	gggcacagcc	ccatttgtat	360
gcggaaactcc	atcggtatgg	gctgcaccgc	aaccttaaaa	cctcctctgg	cacctattcc	420
cctgaaaagc	agttcttcaa	gcaagctggg	aggccgggtg	aagagatata	cttgaacaaa	480
gcagcagaag	cacttgaacg	cgttgacacg	atgttcttca	cagttgacag	cactgacagc	540
cgtgggctta	tgccgtatcc	gcatgaccct	ttacgtgaac	cggccaaatg	gaagcaatat	600
gatcattgga	cggtaaaaaga	ccgacttgat	cgttttagagg	gcctacctat	gtgggaaaag	660
cagctttttg	agtcaattat	cagtactttt	ggaagtgcgc	ctggaaaagga	cattgggttt	720
acggaggctc	tgcgctgggt	tgctctaggt	ggacacagca	tgaaggtgt	tttcgattta	780
gctggcacat	acaagcttgg	gaatgggggc	atgacctctc	ttgctagagc	gattctggac	840
gagttcctcg	gtgatatttt	gctgaatacg	gcaatcaagg	agatccatca	gagctcccca	900
ggaatcaagg	tagtgacggc	agaaggccag	caactgaagg	cgaagacggt	tatttcgaca	960
attccactgt	atggcaatct	gtccctttgc	atagaaacat	ga		1002

<210> 4412

<211> 615

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (553)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4412

tttcaactcac	gatactctgt	cagaaattgt	ctcggagacg	tcaatttcga	tccgccactc	60
tctccagtcc	gtgaagcagc	tatcgcccga	ggccacatca	acaaaggcgc	gaaaatccat	120

```

ttcaagttaa agtccactga agcaggatgg ttcgttacga ccgacccttc agggggattca 180
tcctatgtct ttggcttctc cgatcacaat ggcacaaaca gcgcttgcca atccggcacg 240
tggtgcatcg ggttcggcta taatggccat ctgacagaca agaacgatca ccggcacatt 300
atcaagaaat tccagaatga tctcgtttc agtgcagata tcgaggccta cgctactcac 360
gattggatga atgaccata tgccaaggtt gcatgggctt gttggggacc gagctgtgcc 420
tcgatgtact tagaggagct tcaaagagct cacggccgag tgatttttgc aagtgtgat 480
tgggcaaatg gatggcgggg gtgtataaat ggagcgattg aacgtggtca atgtgtgtg 540
caggaggtgg tcnaaatgct caaggaaaaa atatggcaca gccagccac atttatgatg 600
gttgaaaacg ccaag 615

```

<210> 4413

<211> 657

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (603)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4413

```

gctgccctgg tctcggctcag ttttctgata ccatttgcca tctatggtgt caccctttac 60
aacggacaaa tgggtcaaag caatgacgga agtatagttg gaagtctaga tcagtgcac 120
aatgaatact taagctcacc ctacaactgg gacgtcttag caccgcgtgt cgcacaaac 180
ccttttttac actttgacaa ttttggggat gctctattca tctttttcca gattgtctcc 240
caggagggct ggattgatgt gcagaacagc gctatgagta ttacaggga ggacatgcag 300
ccacagtcgt ttgcggcgcc agccaacggc ctcttcttca ttatgttcaa tttgctcgg 360
gcagtcttcg tctgacact gtctgtgtct gtgtttatgc gaaattacac ggaacagacg 420
ggtgtcgcct ttttgactgc tgaacagcga tcgtggcttg agttgaggaa actcttgagg 480
caaattctctc cgtcgaaacg ctgcgtcgac cgcaagagta gtaaatggaa gttattgtgc 540
tatcggaatg cgggtaaaaa acatggtcca ttggcaagat gcgtgacaag tattcttggc 600
ctncattctc tcttggttgt gccggagttt tatccggacc cttatttttg gaattga 657

```

<210> 4414

<211> 564

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (51)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4414

```

caatcctgtt cggggatttg tttcaacgca ttgttgggccc aggaacgtgg naatcaacga 60
gtcgaaggag tggatcctta taagccggtg tggatatacat tttcagcttt tgtctacgcg 120
gcgattgttg ccatggtcct gattgcgtgc atcaccactc cgatctatca gcgcaattat 180
caagtccagt ggcattggcg ggttatgccg tggatgttt acactgatac gggcttcgca 240
atcctgttca caatagaagc actcattaag gtcattgcgg acggtttctt ctggacacca 300
aatgcatact ttcgaggatc atggggattc attgatggaa ttgtcttaat cactctttgg 360
atcaatgttg gcagctcact gttcaaggac tggggtgtct cttagagctat tggggccttc 420
aaagccttga gggccctgcg tttattgaac gtcagtgaca gtgccaagga caccttccac 480
tcagttatca tcgtgggttg atggaaagtc atcgctgtaa gtcttggcct ccgcttcgtg 540
atctggagca aagacgcgca ctaa 564

```

<210> 4415

<211> 1242
 <212> DNA
 <213> A.fumigatus

<400> 4415
 gtcattgtcca taaaactgcg ctcgagttct gcagcttcca ttgttctttt agtctcatcc 60
 atcccaccta tgccctcag tatcgcaatg actccgaaga accaggcagc ctggatcccc 120
 gccaaaaagg cacggccgtt caaggtcggc gacgcgccct acacgccgcg gggccctggc 180
 caggtggtgg tcaggaacac tgccgtggcc atcaaccat tcgactgggt gctgcaattc 240
 atcgggccag cgatcgccag ctacatcaag tacccttca tcttcggcac cgatgtggcc 300
 ggcgaagtgg tcgaggtcgg ccccgacgtg gagcggttca gggtagggga ccgcgtgttt 360
 ggaagcgcca ctgccatagc caaggaggtc aaccgcccg cggaggagg ctttcagctc 420
 tacacggtca tgcgacagca catgctggcg ccgactccag cgcacatcac cgacgaacag 480
 gcctgtgtcc tgggactggg tctcttgacg gcggcgtggg gtctcttcca tccgaactat 540
 ctgggcctcg acatgcccc ggtcccagcg ccacgggcg cagtgggcaa gtcgggcctg 600
 ccgcgcgctg ttattattac tggcggcgcg tcgagtgtgg gcagcaacgc cgtgcagttg 660
 gccgtgtccg ccggtacca agtctgtct acctcgtctc caaaaaactt cgagtatgtc 720
 aagggtctcg gcgcaacca ggtcttcgac tataggagca gaacgttgtc taaggacctc 780
 ctggccgctc tacggggcca cgaactggtc ggcccccctca cgattgggag cggggccgtc 840
 gaggcagcga ccgccgtgat gaagcatcat gatgtccgcc tcacgcggaa gcgcacgtcc 900
 ttggccggcg ccataatccc tgccgagaag ctacacacct ttgtcggcaa aggcacgtac 960
 ttgatgggga tgggtggggg catgatcaag tcgaatgcga ggccgcgtcg gaccggggtc 1020
 gaagccaaat tcatcctcct cgatggccta gttgaccgg agagtatcgt ggctcgcac 1080
 taccgggagt ttctgccact agcgttgag cggcaccagt ttgtgccagc gcctccacg 1140
 catgtcgtgg gcaagggaact gaacaagatt caagatgtc tggagctcca gaggatgtct 1200
 tcaccacggg gctggaagga tccgcggtgg cgcgatgtaa ga 1242

<210> 4416
 <211> 951
 <212> DNA
 <213> A.fumigatus

<400> 4416
 agactcaaga gacgtgcaag acaactagct ggtattgatg taaggaaagc cgcgcagaca 60
 atgcaggaat tcgtccccga aacgcagtag acattcctca aggctctgga ggacgacgg 120
 tacaagcagt atcagtatct gcttggtgtc gtggaaagcc cgacgcggga tgttgcgag 180
 gcaggggctc ccgaaactg cgcaaaactg atgattgagc gatatgtgca gctgctctgc 240
 aggtacaacc cctcgacagt tgcggagttc gtagatgact tgcgagcggg cgatgtacat 300
 ctggaggagt tgctgcctgc catggaagag agcgggggtg tcgatgcggc cgtcattctg 360
 cttgtgagac aaggccaggt gcgagctgca atggaccggc tcatcgctca cttgggagca 420
 ctgcaatcgg gtctggtggg aatattgcag agtgcgcggc agtctcccga ctacgacagt 480
 acggccgaag cgattaccga tctccttgaa tccttggaac agtacgcgca tgttggcatc 540
 tgggttgtcc aaagtcaaag ccagacaacc aagacgtcgc gaccggagag gaacggcact 600
 ggcagcaagg tcgcgttgga ccagcctctc tcgttcaacg agaccttggt gctggatctc 660
 attgaagcag tagttcgac cgcgagcagt gtatttgctc tgggtgcgggg acagcaagtt 720
 tatgacggca aactcaccca gatggcccct gagacctctt caccgggtga caataccgcc 780
 caactcatgt cgtccgtccg cactctggtt caacaagtat tcactgctct tctgtccagc 840
 acggtcaagc taggcggagc aacacctagt gccgagcgga ccgatgtaac ctttctccgc 900
 atcctacgtg catttctcac tcgagctgcc agctggtcac catcacgtct t 951

<210> 4417
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 4417

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gctctaaagt tcttctatag caaccaaaacc aatctggctc tgaaggggat tattgggtatt 60
gaggccatgg caaccattag caagcttacc caccacgctg atgcagcaac caatcgctct 120
gctatcgccc acgattatat cgatagggtg caagtactgg gtattgctca tgaggcggat 180
cctccgcaca ccacattgtc ttatgggtca aatgattctc acggtcagtt ccatttctct 240
tcttcctttt ag 252

```

<210> 4418

<211> 633

<212> DNA

<213> A.fumigatus

<400> 4418

```

gtatataaccg ttgctgggtat ttgtctaacc ottgctatgt tccagcttga gttcttccat 60
tacgactatt caaccgcaaa caagctctct tgggcattag acgagaggat tgcgcgggac 120
tccgtagcag cggctggcca agactacttg actattacct ctctcagtgc tcgtcaagcc 180
tttgctgcaa ctgattgtg cggcaccctg caaaatccat atctctttat gaaggaaata 240
tctccaacg gtaacatgaa cactgtggac gtcattttcc ctgctcacc ggtattcctg 300
tacaccaatc cagagctgct cgagctttta atgaagcccc attttgaaat ccaagaatcc 360
gggcaatacc ctaacgctta tgccatgcat gacattggaa cccattaccc caacgccact 420
ggccaccctg aaggcaacga tgaaccaatg ccgcttgagg aatgtggaaa tatgataata 480
atggctttgg cgtacgcact caagtcatct aacacggatt atctgaacga acactatcca 540
ttattagaac aatggacatc atatctcgtc gacgaagcta tctaccggc aaatcagata 600
tcgacggacg actttgctgg ccccttggcg taa 633

```

<210> 4419

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4419

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tcgataacag gtctcctgta caacctttac gccgaccgag agttgggctt gaacttggtg 60
cctcaatctg tttagatat gcagagccac ttctacccta cgggtgcagaa gaagtatggg 120
gtgccgctgg acacccgaca ccagtacact aaaggtgaat tccttgccct tcgtataccc 180
acctgccttc attgcgtttt tgcatttaag gaaatattca gtaatctaac aagagtcttt 240
tag 243

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<210> 4420

<211> 252

<212> DNA

<213> A.fumigatus

<400> 4420

```

tggatggcta cgaagccaaa ggcagtcgag gttaactatc cccacaaaat gttcctggga 60
tggactacta atcgaatcac aggctacatc aaccagatcg tctcgtcaac ggccagcaac 120
cccaatctcg cacaagtggg ctttaaagct ggactggaga gcgtcattct catcaatccg 180
tctcaggcca gcgtgtcccc ggggtcttca ccacggggct gggaggatcc gagcaggcgt 240
acgtgccatc gc 252

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<210> 4421

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4421

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tcaaccatga ccaggctctca catgtogcta gacgagagag ctgacgtcgt cgaggatatt 60
attcattacg acttcaacaa tcgctcaatc ctctacgaag ctctccgtag cgccggcgcg 120

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cttgccctga cccgacgagc acatcgctcc gacggcaaca aggacctggc gcaagtcggg 180
 gatgcgggtcc tgcagctgat ccttgtgatg gatggctacg aagccaaagg cagtcgaggt 240
 taa 243

<210> 4422
 <211> 1233
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (45)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4422
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 ccggcatgtc gattcctcct gtcgcgaccc ctctctctgt acatgcgatc attggcgtag 180
 cggaacgaga cctggaggat accccaagtc gtagcagaag tgcagaaaagc tggatttcct 240
 ctgacaactt tcaattggtc cacatacgtg cagatgatgg cttcttccga taagccttct 300
 gaccaggttg aggcgttcac ggtcttttag cgcaagttca tgcctaactt tcctggatgg 360
 aataatcttc gtcgggggta tggagtgaga ccacctggcg taccttcgac cattgatgtt 420
 atggagaacc cgagacgtgc gaaacctcct aacatgctcg gcaaagaatc ccgacgctac 480
 tggagcaaaa ttcagcctga cttcatgcaa cctacgtatg tctccatggc ctatctggcg 540
 tccgcattac aagcattccg ggagaggagt atctatgacg gaggattaga ggtcgggact 600
 ctcttcaaag ttgcacctaa aactattgca gccattgctg acatgccgta ccttcgtgag 660
 aagttccaag gtgtgttact tcggcgctcg caggagcaag gtgacaagaa gggagactct 720
 ggagatcgtg atcatttcgt gtggaccggt ggcaccttg gtgttggtgg caaacggaga 780
 tctccaacag ctggtgagcg gccagcgatg gaagcagacc aagaggaaaa cgcacgggcc 840
 agcgcgccggc ctcagccaga tgtgactgat gacgaagcac cagatgcccc aaacgctcct 900
 gctgtcgagg cggttattat ccctgaagag gtgtccgcgc cgaacgcaa gagcatagat 960
 ccgcaggacc agttcgatat cgaggcagaa gcgctccttg gatccagacg cgctctgcta 1020
 gaggcgagcg aagcattgct ggacaatgaa caccgcgctt cagcggatga agtcgacgaa 1080
 acagacatat cttccttgat agacgatttg gcaaaccag acgaagatgc gccaaaatca 1140
 gcagacggac ggcaacaaca agaaccgct accgagcatc aaggccagcc agagcaggag 1200
 caccacaaca acggtatggc gcatgatgca tag 1233

<210> 4423
 <211> 756
 <212> DNA
 <213> A.fumigatus

<400> 4423
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 gactcctatc ccgagcttcc acccatcgtc accttttoga ccgatgtttt ccctccttta 120
 attgtacccc ttactacata taccttcagc actggcgctt ccgaccgaaga ccctgttagc 180
 ggcacggatg aggagcgact ccccccctgt ggattcagtc tacgacatgg cttccctcat 240
 tggtttgggc gggcacggaa gacaggacga cagtcaacag gctcatccag gccagttagt 300
 gtgaatggac ggaatgctgg tgaaggggag acggcatcga cagatgggtc ttcgtctcct 360
 tcttcagatc agcccactgg tgcagaggga ggccagaatc tcaccaagga caaaggaaact 420
 gcttcggacg caaggaaaac agtaccggtg gcagtgctgc taaactatat ccgatcgacc 480
 tttgacgatg agaacgtcct tgactccttg cctctcgaag ctgcgggaaa cccaagtgcg 540
 tggcacgcat ggaaggcaca cagaagagaa aatagtgaat cggccacgag caattccaaa 600
 cgaggaagtc cgcaggctcg gcttcctggg gattggcatt gggacggat ttgggcgaag 660
 cgtgttcaat atgaaattga ggcgagtcac tcggatcaaa tgttgtttgg aaatgctgct 720
 cgcggtgcc aagatgagat ggtatgtatg cgttga 756

<210> 4424
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 4424
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 acgtttttgga taacactaat catgtccaac gactgggttct atcgatacca aactacaatt 120
 ctgcgtgtcg tcctagtttt cgtccctatc attgtgggtct gcagcatctt catgactgct 180
 cttgcatgct ccgaataactg gtccacacgg cgtgggttgca gtttctccta ttttacttgc 240
 atctgtgggtc tcagggtcgag aagtcagcgc cagaggcctc tttctgacac tgatgacgcc 300
 aactcgtccg agaggactgt atcatcgagg cccctctgctg aaaataagaa tccagtccta 360
 agaactgagc gagcctag 378

<210> 4425
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 4425
 ttgggatttt attcaggtgc atttgacggc gttattgagg cttgctcagc atttccacct 60
 atgctttaca tcgggcttac ggctttcttt tccggcggtta catgcgcggg caaccctatc 120
 ttgaatagtc gtcccagctg tcctttctgca aggattccct ttagaaggga agactgggga 180
 ctttctctatc tggcatggga tgtagtcttt aaacagagca gttttccgat ctga 234

<210> 4426
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 4426
 tacggaaaac cgcgaggaaa atcacgggca agaaaggcag ctatgaagtt gacgcccctc 60
 gcggttgagc aacttcgtaa gtcctgttca cagccggacc ccaaatttat tcgagtgggt 120
 gtgaagaatc ggggatgttc tgggctcggc taccatctcg aatatgttga aaaacctgga 180
 gctttcagc aagttgttga acaagacgga gtgaaagtgc tgattgatag taaggctctg 240
 ttccagcataa ttggtagcga aatggattgg caagaggaca aactgagccg aaagtttgtt 300
 ttccgaaacc ccaatattag tgagtccctg tcattttaca catctttacc acgatacagt 360
 tcgtctaacg ttgaaatcac agaggagcaa tgcggtatgc gcgaatcctt catggtctag 420

<210> 4427
 <211> 1062
 <212> DNA
 <213> A.fumigatus

<400> 4427
 ctctgtgcaga tgcggccatc cagcagggac gaattttcaa ccgctatcat ctgcgcgctg 60
 aactcgaag cagaggctgt tgaagaactc ttcatgaga ttacgacag attgagcgga 120
 tactacagga aacagccggg agacgataat gcatacatca acgggaggat tgggaatcat 180
 aatgtggctg tgtgctgtat gccaggcatg ggaaaaggaa atgctgccag cgtggcatcg 240
 agtttaaaaa tcagctatca aaggatcaac ctggcactgg tgggtggcat ctgtggaggt 300
 gcaccataat catcgtctgg ttgagagata tttctagggg atgtcataat aagtgttcc 360
 gtgatccaat acgacttcgg tgggcaatat cctgggtggat ttgaagagaa aactagtgtg 420
 aaggactcgc ttggaaggcc gaataaggaa atccgagctc tactggcagg tctccaagca 480
 aaaaacactc gcagggactt gcaagctagg atgctacggc atctacaagc tatccagaga 540
 tcaaaccggg agtggcattg gccgaggtct gctgatgata ttttgtttga agcatcatat 600

caacacaagt	attccagtc	tacttcttct	gtatattggt	gccttgatgg	caagtctcgg	660
gatgtctgca	agtcgcgct	ggacatgacc	tgtatccatt	taggctgtga	taaaaaccga	720
atttcccgac	atcgatgtga	tgcagaaaag	tgcaccccga	gcatacacat	tgggacagtc	780
gcatccgctg	atactgtgat	gaagtcgggt	gagcatcgctg	accgtctggt	caaggctgac	840
aatgtaattg	gtttcgagat	ggagagtgc	ggagtatggg	acaatgcttc	atgcatcgct	900
atcaaagggg	tgtgtgacta	tgcagatagc	cacaagaatg	aagcatggca	agcctatgca	960
gcagcaactg	ggggggcaac	tgctaaagct	ttcttgaggt	actggatacc	cactgttcga	1020
gaaggtaagt	acacaaatct	gggagaagta	tttctatact	ga		1062

<210> 4428

<211> 189

<212> DNA

<213> A.fumigatus

<400> 4428

gggatgtatc	ccttccgtat	taatttcccc	gttgtccccg	gttccgatgg	tgccggcgag	60
gttgttgagg	tccgggtcgaa	agtgacccag	ttcaagaagg	gcgataaggt	ggtgaccttg	120
tttaatcagt	tacaccagta	cggctctctt	gatacccga	gtcttcacgg	ccgggtgcag	180
gtaagcgtg						189

<210> 4429

<211> 300

<212> DNA

<213> A.fumigatus

<400> 4429

ctaaaagcct	ccttcgatca	caatattcct	tcaattgact	ctcctgagaa	ctcgacgcct	60
tacgtacgga	aaatggctcc	ctcaactatg	aagcagtggg	ttgttgcgga	taaggagaat	120
ggtttcgata	gtcttaattt	taaggaagggt	cctgtgccta	agtgtggtga	aaatgagggtg	180
cttgtcaagc	tacgcgctgc	gtcgtcgaac	tatcgtgact	tgatcatccc	caaggttcgt	240
cgcttcacat	acgctcgaga	cagcatgagc	aaatcagcct	tttgtcacgc	acattttctga	300

<210> 4430

<211> 975

<212> DNA

<213> A.fumigatus

<400> 4430

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cacactcttc	agtcgcgagg	ccatgttgta	tcagtgggtcc	tcctcatca	acagcgggtca	120
tggatcggga	aagcgcaatt	gatcggtgcc	tctgtgagac	cgacctactt	ccgccccggc	180
atcctgcacg	aagacaacgg	caccatccat	gacttcccc	gcaccgacga	cgacgatgac	240
ggagacgagt	ggcttctcat	agactcgacg	cccgaagct	gtgtccagat	cgggtctttt	300
cactattttc	aagaacgagg	tcccgtcgac	gtggtcgtgt	cgggtcccaa	ctacggtcgc	360
aatacgactg	ctttattcgc	tttgtcgagc	gggacaatcg	gaggagctct	ggaggctgcg	420
cactgtggga	aacgcgccat	tgccctttcc	tatgccttta	gctcgcgcaa	ccatgatcct	480
gttgtgatcg	ctgaggcttc	gcagcactcg	gtgaggttga	ttgaatacct	gtgcgagaac	540
tgggcggagg	gagtggatct	gtataacatc	aatgtccctc	tggagccggg	aatgagcaag	600
tgcaagggtg	tatacaccag	tatgcttgac	aataggtgga	ctggcagctg	cttcaggct	660
gttgatgcag	ccctcccga	tgaaactccc	caggtacagg	agcagaggct	gcgcgaccag	720
ggtgaacgac	taggggagaa	gcccactgcc	gctccagggg	cagggccacg	caggaggata	780
cggttccagc	acaagcactt	tcagtggaa	cctgatttca	cagatgtttg	gaagagtgtg	840
gaggcgagt	gaccgggcaa	cgatggctgc	gctgtgcgtg	agggaaatgac	aaggatgtg	900
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tcagtgttac	ccctc					975

<210> 4431
 <211> 957
 <212> DNA
 <213> A.fumigatus

<400> 4431
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 ccgttgtacc gcacgggtggg ccctgaggat atgctcagta ttcttgcaact ctcgatgccg 120
 tcttttacag ctctgttagg tgattctgat cgcacatct cgcgtgtgtc aggcatatcc 180
 tctcatgtga ttgggcctct tctgcgttcg cggctattcc ctaacaatat caacggcagc 240
 gtgatgtctc tactgcaaca cattgcgaag gttccagctg ctgcaaaaat ctggaagaag 300
 gacatcgccg atgcctttta cgatccacga ttttttggct tccagggtga actcgtgaga 360
 agcgggttgga tgaagctact caggcaatgg gtaattgccg acaaggaccg tctaacagag 420
 ttgatgtctc gtcttccacc accgagcaca gggggactaa tggtcgggtg tggagcgtct 480
 gctgctcgct tgggaagctga ccggaaggct cagttgaatc tgcggaggat atcactgcta 540
 atattatctg caaatgacga ttacttcatt ggagaactac cagagctgct ccagaagctg 600
 gaagatctcc ttgcagcgac gagctcctca tctccgtcgt ccaccacaag agcagagata 660
 ttcatggtac ttcgagcgct tgcgctcaag agttcaacta ccacacttgc gccatttttg 720
 ccattgatca ctacagagct tcaagaagct atttctagca taccgcttgg cgcgcaacaa 780
 gaagtttaca atgcatactc gctgctgcag gcgtgtaagc ttctggatac actgcttgtt 840
 ctacgcgcag acgattttca gcttcttgag tggctctatg ttcacgacac cattgatgcc 900
 gtttaccccc ctgagcaccg tgaatccatg gcacttgcag atgagaattc gcagacc 957

<210> 4432
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 4432
 tcccagggat ggctccccc gcattactcc aatccccggg atcaaccctt aagtttgcct 60
 gttaaaattg cgggtagcac ggcaaacaat tcctcctggc tgaaatttaa aaccggcacg 120
 gcctggggaa aaacctgggg taaaacatat cccttaggtt ccttcctctt ccggtcgatg 180
 gttccccaaa ggggtgtttc cccaccttg gctccctata aattatcgcc aaattcc 237

<210> 4433
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 4433
 ctacattgt caaccgttc tagtacctt ctgaaacgaa agggcgggtct tttcaagaag 60
 gcacatgaac tcgcggtatt atgttcggta gatgtcgccg tcatcatctt tggtcacaac 120
 aagaagctct acgaattctc atcatgtgat atgcgagaga cattgggtcg ctatcaatat 180
 gtgcgttccc tccattatcc gcatcaattc agtacgttga catga 225

<210> 4434
 <211> 1122
 <212> DNA
 <213> A.fumigatus

<400> 4434
 agcggccctc tgcaaccccg cgggtgaagac acgatatcca ctcttctcct gacagctcct 60
 tcattatccg cagcctttta ccttcctggg gtagcaccaa cctcatacga tgaaggccaa 120
 gctgtgccgc tctacgtcaa ccactttact cggggactag cgcaacaaga cgaacagctg 180
 cattccgtct tctottacga ctactatcat accgcattcc acttttgcg tccggcagat 240
 gggccgaaag atattcgca gtcattaggt agcattcttt tcggtgatcg aatccagaca 300

tgcgcgtttg	agttgttcat	gggcaagaat	gaatcatgca	aggctgtttg	tggagaagtc	360
aagttcgatt	cgcgaagcgc	caaatttgtc	aacagaagga	tagctcaggg	ctataatatc	420
aactggttgg	tggatgggct	tcccggcgct	caattgaatc	tggacgcagt	gacccagtcc	480
aagttctaca	gtcctggttt	tgcgctcggc	actctgaatg	atgatggaca	ggcaattctg	540
aacaaccact	acgatatcgt	cattgactac	caccgtgtag	ggttcggcag	caaagacaag	600
taccgggttg	tccgtgtgct	cgttcaaccg	gcctcccggc	gtgattccaa	agtccttgaa	660
gatggaacag	tggattgcgg	ctccgacaac	gcgcccgtaa	ttctgagcga	agatggcgag	720
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cgctgggaca	agtacttgca	cgtttacgat	ccaaagattc	attggttttc	actcatcaac	840
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aggaaagaca	ttgctcgcta	caaccgcctg	gacacgatca	atctcgaaga	tttggatggc	960
acttcagctg	ctattgagga	cgggaattcag	gaggattcag	gttggaaagct	ggttcacggc	1020
gatgtattcc	gatgccccag	ggatccttta	atcctcagtg	tgcttgttgg	caacggggct	1080
caaatcttca	tgatgaccgg	tgtgacagtt	ggtaagttct	tc		1122

<210> 4435

<211> 480

<212> DNA

<213> A.fumigatus

<400> 4435

ctgcccgtct	cttccaaactc	cgtttcgggtt	tctccggacg	atagtcgggtc	atcgccgtac	60
ccttcatccc	cctgggagaa	ctcgggtctgt	gtcctcttcc	gcttcttccc	tgtcagggct	120
gcctgttcgg	ctgccaaatg	tgtgcttgtt	gatcccagag	cacgtgcctt	ggccgcacgc	180
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gcaagacgga	gcacgccccg	agcggcatcg	gcatctgaga	ggacggcagt	gtgcacagca	300
atgccgggtg	gaggggagat	ggcgtatttg	aacgtacgtt	ccgagacgcg	gatggcgccc	360
agcgaggtag	cttgggatgt	gatcttgggg	agagagacga	gggatttctg	ggcgacagcg	420
agggcaaggg	agtctgtgcc	ttgggtttcg	acggcgagta	tgtggatggg	gtttggttga	480

<210> 4436

<211> 693

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (484)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4436

aaagcaggaa	tttgggggttg	gaataatttc	ttccaagggt	taaagggtggg	gattataatc	60
ccccagttta	aaacccgaag	ctttcttttt	tcccgaagg	tttctgggggt	ttctggaacc	120
cttcttaaaa	aattcggcct	cgggtttata	ttactaccat	ccccacttta	cgaattgacc	180
tgtatcccat	acttgccaaa	tggggctcct	cggctttttc	cctgggtttct	tgagcaagaa	240
ttgcgtcccg	cctcttacac	catgggcagc	atctcacctg	agaaaagcgaa	gctgagctca	300
agcttgccat	gggttgagac	tccccttgtg	gaatcgcttg	gtctgtctcg	cgcgcaaggc	360
tgtagaatct	tcttgaaaact	cgagaacatt	cagccagcgg	gatccttcaa	atcccgtgca	420
atggcaaaaca	gacccctctc	gcacctcgtc	aagccggaaa	acgggtgggcc	ggccgggtgca	480
ttcntatgct	tctcgggggg	gcaatgccgg	tctcgctcgc	gtgtgcgctg	cccggagctt	540
gggttatcct	tgcaccgtgg	ttgtgcccc	ctcgacaaag	ccctgatgg	tgaacaaact	600
gcgggcggcg	ggcgcttcgg	acgtcatcca	gtacggcgag	acattctcgg	aagcggggaga	660
gtatatgcgg	gaagtataaa	tgaaggcaga	tga			693

<210> 4437

<211> 1269

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (108)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gggggcaatg ccggtctcgc tgcggtgtgc gctgcccgga gcttgggtta tccctgcacc 180
 gtggttgtgc ccctctcgc aaagccccctg atggtgaaca aactgcgggc ggccggcgct 240
 tcggacgtca tccagtagcg cgagacattc tcggaagcgg gagagtatat gcgggaagtg 300
 ataataaagg cagatgacgg ggacgccgga acagacgtgg tcaagattgc cctccatccc 360
 ttcgacaatg agcccatctg ggagggaaac agtacgatca tcgatgagct cgcggctcaa 420
 ctgccgcccg taaccacccg agaagaagct atcgctaca gtggtcgtgc ttgcccactg 480
 gacgcggtga tctgcagtgt tgggtggcggc gggctgctaa atggtcttat catgggccta 540
 gagcgacgga gacatctaca gaaccagagc tcacactaca gcaacgacat catatcctct 600
 caaccaaacc ccattccacat actcgccgtc gaaacccaag gcacagactc ccttgccctc 660
 gctgtcggcc agaaatccct cgtctctctc cccaagatca catcccaagc tacctcgtcg 720
 ggcccatccg gcgtctcggg acgtacgttc aaatacgcca tctccctcc acccggcatt 780
 gctgtgcaca ctgccgtcct ctacagatgcc gatgccgctc ggggcgtgct ccgtcttgcg 840
 gatgatgaaa ggctgctggg ggagttggca tgcggtgtct gcgtcgaggc cgccatcggc 900
 gatgcggcca aggcacgtgc ctccggatca acaagcacac atttggcagc cgaacaggca 960
 gccctgacag ggaagaagcg gaagaggaca cagaccgagt tctcccaggg ggatgaaggg 1020
 tacggcgatg accgactatc gtccggagaa accgaaacgg agttggaaga gacgggcagt 1080
 cagcctcaag gacatcctac cgaaaatacg ctgtcgccgt tgcacgaatt ccaatccaag 1140
 ctgaagcaat tgggtccctaa cctgcaaccg gatagtcgag tggatgatcat cgtctgtggg 1200
 ggcagcaatg tcaccatcga catggcggca gaggggagga agatgttgca ggaggggttg 1260
 gacgcttaa 1269

<210> 4438
 <211> 1065
 <212> DNA
 <213> A.fumigatus

<400> 4438
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 ccacctggtg tatttgcgtc tttaaacgat gcctgcgcaa cagcgcacgc tgattctagc 120
 gctgcagata acaccttcgt cggacgactc aacttcctgt ctcaaaatcc caactttgag 180
 aaccgccagg gtcaattcat tatcaagcat tacgctggtg atgtcagcta cgcggtggct 240
 ggaatgacag acaagaacaa ggaccagttg ctgaaagatc ttctgaatct tgtcggaaaca 300
 agtgggaatc aattcgtcca tacgctcttc cccgagcaag tcaaccagga tgacaagaga 360
 cgtcctccca ccgccagtga caagatcaag gcctcagcca acgacctggt ggcaaccttg 420
 atgaaggccc agccctcgtt tattcggaca atcaagccga acgataacaa ggccgctaga 480
 gagtacaacg tcggaaacgt cctgcatcag ataaaatacc ttggattgca ggagaacgtt 540
 aggatcagac gtgctggttt tgccctaccgt caaacattcg acaagttcgt ggagcgtttc 600
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 tccggcgctc gtcagatact gaaggatacc agcatacccg ccgaagagta tcagatggga 720
 attacaaagg tgtttgtcaa gacccagag acgttgtttg ctttggaagc catgcgtgac 780
 cgttactggc acaatatggc catccgaatt cagcgtgcct ggcgaaacta tcttcgctat 840
 cggactgaat gtgctattcg cattcagcgc ttctggcgct gcaccactgg cggctcttgag 900
 ttcattaagc tgcgcgatca gggacatcag ctgctcaacg ggcgtaagga gcgtcgccgg 960
 atgagtcctg ttggttctcg cagatttctt ggtgattata tcgggggtgg taataaagg 1020
 ggacccggcg agatgggtcg taacggtgca ggcacagcg gtttag 1065

<210> 4439
 <211> 231
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (79)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4439
 cagaccaacc gccacgtata catcatagcg caaaacctgg tcaacaatca gctgggtcatc 60
 tcgtccgaaa ggacgattnc aatcggcggc ttcaaggctg gcgggtgcctc gaacttgaaa 120
 gatgaatggg tttcaatggg ggtgggaagt cacaagaacc tgaccctttt ggtaactgct 180
 ggttcagaac gggtttttaa accacttgac aaagcgttgg gcggacaatg a 231

<210> 4440
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 4440
 cactaccta ccgacccctt caacgttagt ctacgggggtc cagcttgtaa gatcctcgag 60
 cccaatcctt gctgcttcca cttcctctac ttctgcttct gcttcgggtc cccttcttat 120
 tctgagggtta cttttacctt gagttctact ggtcctcatt ttacttgatga gcctgatgag 180
 ggtgataact gtgaccgaaa cagtcagtta cactgggacg gcagatccac cgtctcttaa 240

<210> 4441
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 4441
 tgggtccatgc ccataagaag gcttaagata ctgcgcgata tgatgaagag taaagctcaa 60
 cttcgtccca agtatctggt cggttgagcaa cagccgctcg acagcgggat tcggtgctgtt 120
 ggcgatgatc tgagctacct agtgacctgg ctttgcagcg agcgagatac tgacacactg 180
 catgactag 189

<210> 4442
 <211> 621
 <212> DNA
 <213> A.fumigatus

<400> 4442
 tggatgtttg gctggatcat ccatccattt tcgtgtgtga caggacccga tatgctccaa 60
 ccatcatctg aaagctcact tgcgtggcaag acctgcctgg tcaactggcg agctggcggg 120
 ctgggcaagg ccattgcgtc tactttcctc gcggctgggt caaacgtggt ggtttgcgat 180
 gtcaacgaag accgactaca gcagacttcc tcagaactgg gggaaaccga tcgattgaaa 240
 actgtcaggg cggacataac ctgcggcgagc gccgtgcaaa ctctctttga cgagattatc 300
 gcggactttg ggaagctcga catcttggtc aacaatgcgg gaatcatgga taggtttgat 360
 cccgtgggtg atctcgacga ggcgctgtgg gataagggtca ttggtgtgaa tctcacggcc 420
 ccttttctac tcagcaaaact agctgtgcgg aatatgctgg cgcagcctac ccctgatgga 480
 tgtatcatca acatcgtctc tgtggccggc aaggccggct gggccacggg tatgttctcc 540
 aacgaccgtg gtaatcctct tgctaacacc caattaggcg ccgcatacac agccgagcaa 600
 ccccggtctt ggtcggattg a 621

<210> 4443
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 4443
 tgggttcaat ccgaccaaga ccgggggttg tgggctgtgt atgcggcgcc taattgggtg 60
 ttagcaagag gattaccacg gtcgttggag aacatacccg tggcccagcc ggccttgccg 120
 gccacagaga cgatgttgat gatacatcca tcaggggtag gctgcgccag catattccgc 180
 acagctagtt tgctgagtag aaaagggggc gtgagattca caccaatgac cttatccac 240
 agcgccctcg cgagatcacc caggggatca aacctatcca tgattcccgcc attgttgacc 300
 aagatgtcga gcttcccaaa gtccgcgata atctcgtcaa agagagtttg cacggcgctc 360
 gccgaggtta tgtccgccct gacagttttc aatcgatcgg tttccccag ttctgaggaa 420
 gtctgctgta gtccgtcttc gttgacatcg caaaccacca cgtttgacc agccgcgagg 480
 aaagtagacg caatggcctt gccagcccg ccagctccgc cagtgaccag gcaggcttg 540
 ccagcaagtg agctttcaga tgatggttgg agcatatcgg gtcctgtcac acacgaaaat 600
 ggatggatga tccagccaaa catccatcat gctga 636

<210> 4444
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 4444
 gtctcaatgc ctgtctaat ctctctgtgc gccagaaacc tcgaagattc cgatgtctct 60
 ccgttgacag cctctgattt tgaaggctgc gggggccgtg tccagacgga ctatgtcatt 120
 catttttcag agctttgcac aatgatattc tatatcgtgc gtgagcgatt cggactgcga 180
 gtcagttcgg agcgtcgcaa agccgcattg caggaagcag atgaagctct tgcgaactgg 240
 tctttgaggc ttccagaaca tctgcggtcg cgtgcctcgg atatggatcc ttggtccgcc 300
 atgcttcact tgacctacaa caatttcctc atccttctcc accggcctca tctcgggca 360
 tcggcatatt cggacgaata cggtcgcgat gacgcaaaaa tctgcaccgc tgccgccggg 420
 gtcttcacat ctatcttcga aaaactccgc ttaaacgata gcctctag 468

<210> 4445
 <211> 1074
 <212> DNA
 <213> A.fumigatus

<400> 4445
 aacacagact gccgcatcga gcacaagaag aagcgccttg cgggtgcgctc cattctaaat 60
 cccgttccca ttcgttgtcg gccgccgtcc acctccgagc atgtccctga agcgtctcct 120
 ccatctacca tcagcgaacc aaccgctttc acaactgctt ttcgcggagt tcagccagaa 180
 gcagcagctc ctccagcgag cgtcgctcca aatgtccagt ccaaggcaca gcatctccac 240
 agcaatagtt atagtcaaac gtctccacaa gcacaggaat gccatcttcc gcccgttcg 300
 gaccgtttcg ccgaacaaga tgcgcatgcc gactttgaga agcgactggg gaagctcatt 360
 gacgatgaag aagggtcagg tcctagggaa attcagcggg gcgtgcgagc aatctatgtt 420
 ggacacgagc tgcgaacat gtccttcttg atacgtcaac agcgcgataa agatgacgat 480
 gtatatcact ttgcgggaag tgagatacca cggcgacagt tgaaaaccgg acatgaccag 540
 cttctcgtag acgccctgac tctaccggag ccggccctcg tcgacgagct tgtccaggca 600
 tacttcaccc acgtgaaccc gggatatccc attgttgaag aggatcagtt catgagtcag 660
 tatcgcaata gagacccctc tgatcctccc cctatcctgc ttttgcaagc cattctatta 720
 gttggatgcc atgtcacgca tccaaaagag gagcgggatg ctttgaaggc cattttcttc 780
 cgtcgcgcga agtggctctt tgacaaccgc atcgagcgaa accgtgatac cttgggtgaa 840
 gctgcgctgc tcttgacctg gcattcagac agccccgacg atgatgtttc tgccaatgct 900
 cactactggg tcggcgcttg tgctcgaatc gcgactggcc tcggcatgca tcgaaatcca 960

gtctcgagca ggttcgctcc ccgggatcgc cggatgtgga gaaggctatg gtacatcctg 1020
gttcagctcg atgttatggg ctccctctcg tatggctgac ctcaagccat gtaa 1074

<210> 4446
<211> 513
<212> DNA
<213> A.fumigatus

<400> 4446
actaccattg caaatacgtc agcgaatttg tggacgtccc gctggagtgt ctgctccgct 60
gccgcgcgaa cattattgtc aacgaacaca agggagggca gatcaagact ggaagagccg 120
tcgaggcagc ggcaaaaaca gaggcgggtg ggggaaaaag gagaacggga aaggccaccg 180
gaaaggcgac cagaaaggcg aagggaaggc ctgaggcgga ggctgaggca gaaccgccag 240
tcggcggagg ttctgctgac gaagcccatg aagtcgagga cgccgagaag gccggaaatg 300
actctcaaga aattgtcgtc gtccaggatc aagacacttc aggtcagcgt ggccccttat 360
atgcttcggc ggacgcgggc cagtcaagct atgcgcagaa cgatcagtc aactacggcc 420
acaacggaca gtcaagctct gcgcacaacg gacggcactc gcgggggtat tccatgcaag 480
gtcaggacag taccgggtac aaccgagtta tga 513

<210> 4447
<211> 1110
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1046), (1064)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4447
gaaaagatga tccattatca tcgcacaacg ccattgccac ctcccaagga ggtaaagaag 60
gggggcaaca aagggcgcaa gagtaaagag gagaaggaca aggaggagga ggacgatgac 120
gaagaggatg aggaagagaa gaagaaaaac agagatcccg ccaaaaccgg ggcgctactc 180
tccttccccg acagggtctc ggccattgtc cgcattcttc acaccaacaa gtcgacgtgt 240
aagcggatgt tagactacca ttgcaaatac gtcagcgaat ttgtggacgt cccgctggag 300
tgtctgtctc gctgccgcgc gaacattatt gtcaacgaac acaaggaggagg gcagatcaag 360
actggaagag ccgtcgaggc agcggcaaaa acagaggcgg gtgggggaaa aaggagaacg 420
ggaaaggcca ccggaaaggc gaccagaaag gcgaagggaa aggctgaggc ggaggctgag 480
gcagaaccgc cagtcggcgg aggttctgct gacgaagccc atgaagtcga ggacgccgag 540
aaggccggaa atgactctca agaaattgtc gctgtccagg atcaagacac ttcagggtcag 600
cgtggccccct tatatgcttc ggcggcacgc gggcagtcga gctatgcgca gaacgatcag 660
tcaaactacg gccacaacgg acagtcaagc tctgcgaca acggacggca ctcgcggggt 720
tattccatgc aaggctcagga cagtaccggg tacaaccgag ttatgagcaa tgccgaacac 780
aaccaaggca tgacctatac aggacagtac caaggtgtga ccaatgccgg gcacaaccaa 840
gtcataagca atcacggaca cgtcccaggc atgacctata caggacagta ccaaggtgtg 900
accattgccg gacacaacca aggcattgaac aatgacagac acgtccaagg catcacatac 960
acaggacagt accaagggtg gaccaatacc ggacacatcc aaagcatgac ctataacgga 1020
tacaacaata ttggcaccgg cgtgtntaat gccagcccaa tccnacgctg tctacgtagc 1080
gacccggagg tcatattggt tacagcgacc 1110

<210> 4448
<211> 1449
<212> DNA
<213> A.fumigatus

<400> 4448

cgtattcgat	ctgccagatt	cctcccatac	actgtgaatt	ttcatgacaa	cgactctgaa	60
gatccagccg	gtgatctaac	gagccctccc	gtatcgaacc	ctccatccca	ggctgtgacg	120
ccagcaccca	atgctgctat	cagcttggtt	gaacgacaga	atgatgctcg	aaaggcaggc	180
ctgacgcctg	gggctacaac	tgatcatgag	cgaatcttca	catcggacat	cacaaaggct	240
gagcaggaac	cctcaagtta	tccatttcca	gctgtgccgg	atgatgcaaa	tcttctcacc	300
gaaagtgaag	ctcattctcc	cgcattgggt	gccaccacag	ctctgaacca	gccaaggct	360
cggccgccta	tttacccttc	cccttcgatt	cttaaaccac	aggagcccac	tgtctctggt	420
ttggaaccga	ttcgcgaaaa	gacaccactg	aagatcgaac	ccttccggtc	gcatcccccg	480
gacaaagctg	aggatcgcag	ccgcaaaact	tcgttctcga	aggccgagtg	gaccgtcgaa	540
acagcagagc	agggtaacgg	cgggttacgt	aatgcgggtg	gatctgcaac	agatgcagggt	600
caattggaag	acaaagtgtg	ggttggcacg	ctgggtatgc	ccacggatgc	attgtcgccg	660
cacaccaaag	ctgccatcgc	cgagaagtta	gaagatgagt	acggatcgtt	gacggtctat	720
gtcagcgacg	gtgactttga	cggtcactac	actcatttct	gcaagacaat	cctctggcct	780
gtgtttcatt	accagatccc	cgacaaccgg	aaaagcaaag	catatgagga	ccattcctgg	840
atattattatg	tcaagaacac	accaggcgtt	cgcggagcgc	atcgcaaga	tttggaacgt	900
ggtgattcca	tctgggtcca	ggactaccac	ctgctccttg	tcccgcgat	gcttcgaaaa	960
ttgctcccg	atgcacaaat	cggcttcttc	ctgcatatag	cttttccttc	ctccgaagtc	1020
ttcagatgct	tggcgccctg	aaaagaactt	ctcgagggtg	tgctgggcgc	taaccttatt	1080
gggttcaga	ctgatgagta	ctgcccagat	ttccttcaga	cctgtagtcg	catcctttgc	1140
gtcagggcaa	ccaacgaggg	acttgagctg	gaagatcgct	ttgttaacgt	cgggtacattt	1200
cccacgggta	togatccaac	ctcctgggac	aagcgacgac	aggcgccga	tgtggagcaa	1260
tgggtgaaga	caatttcgga	gagatatgaa	ggaaaatatc	ttatcgtttc	ccgcgacaag	1320
attgactcgg	ttcgcggaat	caggcaaaag	cttctgagct	acgagctctt	cctaaacacg	1380
taccctgaat	ggagaaacaa	ggcaagtaca	ttcttggctg	ctatatgcgc	aatcacgcga	1440
ttgcgctga						1449

<210> 4449

<211> 237

<212> DNA

<213> A.fumigatus

<400> 4449

ttaacctcgt	ctagccgtgt	tgagaacttg	aaagacatgg	ttctctatcg	ctttggttcc	60
actggagtgg	tgagtgctct	ctcgcgagca	gcggaactct	tgggactcgt	gcctgttttc	120
ccagtcaaga	acgtgcacac	attttcgtct	ggatccggaa	atgcggtgtt	cagagattgc	180
gttctgggta	aaaagtgggt	tttattgcaa	tcagacatca	acgaagtata	tgactaa	237

<210> 4450

<211> 255

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (44)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4450

aacattactg	acgataacag	tctcttattg	ggaagggaca	gtancaatca	cctcacctct	60
ttcatccttc	ataccgatta	tgggttctgg	tgctttaaga	atttccttct	taactggcgc	120
tccctgctga	agccttccct	cctcggtcac	gcttgctggt	tgggtatctc	tgcaacccc	180
gcgccttctt	ttttccccct	tcaaccggga	accgaaatat	ctgtccgaag	atattgtttt	240
tcccggtggc	ctccc					255

<210> 4451

<211> 387

<212> DNA

<213> *A. fumigatus*

<400> 4451

gattctctct	cttaccagtg	cgtttgctcc	aacggcatct	ctccaaacac	ctccgaatac	60
tctcaaacca	ttccctacta	cctatgcacc	gaggccaaca	acgagtgtgt	gagccgatgc	120
tccgaagcgc	actcggcctg	tcagtctgct	tgccgctctg	agcacccttg	tggagctcaa	180
aatcccacgc	ggtacaatgt	cactacaaca	agtgcgacat	cgaaccctac	caacaatcct	240
gctacgacca	cgactctggc	cgcattcaca	ggagaggcca	cgaacaagaa	cgcagcagtc	300
aggatctcgc	ctgttgacat	cggccatgtg	tatggctctgt	gtgttggtgt	gggttgcttc	360
attgctgggt	tcgcagtgt	gctgtaa				387

<210> 4452

<211> 654

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222>

(141), (236), (377), (378), (380), (381), (382), (383), (384), (385), (386), (387), (388), (389), (390), (391), (392), (393), (394), (395), (396), (409), (410), (411), (412), (413), (414), (415), (416), (422), (424), (427), (428), (433), (434), (446), (447), (448), (449), (468), (469), (481), (484), (485), (492), (498), (499), (509), (510), (511), (512), (520), (521), (522), (533), (570), (575), (576), (585), (588), (589), (591), (628), (643), (646), (647)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4452

cggactcggc	agtcgggagg	taatgacacc	gatctgcggg	tgcgactcgt	cgcccaggtc	60
gacgacgatg	gcgccctcgc	gcgcgggact	gcccttctcg	actgtgaagc	cgacacggcg	120
ctgcgagagg	gtcttcgcgg	nggacgccag	ctgcgggaga	atgggtggcg	cgccgttgaa	180
gttggccggt	gcggggctgc	ggcggctcct	gccgacgacc	cagcccaagg	ccgcancggg	240
aggtgtctgt	gcggtggaga	tgtcgttgcc	gtaaaggcac	atgcctgcct	cgaggcggag	300
ggagtgcggg	gccgcgaggc	cggcgagccg	gacttgctcc	gggttggaaca	gaaagagctc	360
agtgaccttt	cgtgggngng	nnnnnnnnnn	nnnnnnnggg	gggggggggn	nnnnnnngccg	420
gncnggngng	ggnncccccg	gcgggngngng	ggggggggcc	cggggggngng	gggggggcccc	480
nggngggggg	gngggggngng	ggcgggggng	nncccccccn	nnccgggggc	cgngcgccgc	540
gccccgcggg	ggggcgcccc	cccccgggcn	cccgnncccc	ggccnccnng	ncccccccc	600
gccccggggg	gccccggggg	ggcgccccng	cggcccccgc	cgncgnggcc	cccc	654

<210> 4453

<211> 501

<212> DNA

<213> *A. fumigatus*

<400> 4453

ccagttgtag	ggtacactca	aggaggatct	aacgcagacg	tcgttctcgc	cgatgcatac	60
gtgaaaggca	tttccgatgg	catcgagtgg	gaagccggtt	atgcaaccgt	tcagaaagat	120
gctgaggaag	aaccgtacta	ctggtcaaac	gaaggccgag	gtgggctgaa	cagctggaaa	180
tcgtgaagt	acatacccg	cgaggacttt	gactacgtcg	gctttggcac	tatgaccgcg	240
agcatttccc	gactcttga	gtataccaat	aatgatttca	ccatctcgca	aatggcgcg	300
ggcatgaaaa	agacagccga	tgcaaaaaa	tatgagagta	cttcgggtta	ctggagaaac	360
ctgttccgtg	aggatcagac	ttcgttcgtc	aatggtagcg	acactgggtt	caaggggttc	420
ttccagcccc	gatatctgaa	tggcacttgg	gggtcccagg	taggtctccc	tcggctggcc	480
cttgcgaggt	ttgccgattg	a				501

<210> 4454
 <211> 744
 <212> DNA
 <213> A.fumigatus

```
<400> 4454
ctagactcca gcttcgtccc tcacgacatg gccgctctcg ttacccttct tggaggacca      60
gaccgatacg tccaacgact cgactatctc catgataaag gaatcaccta catcggcaac      120
gagccatctt tctaaccgt cttccaatac cactacgccg gccgccccgc caaatcagcc      180
tctcgcgcgc atttctacat tcccaattta tacttcaacc ccacgccagc cggcctccca      240
ggcaacgacg actcggggcg tatgggttcc ttcgtcgcca tgtcaatgat gggcctgttc      300
cctatcccg gacaaagcgt ctacctgac agcgcgccgt ttttcgaggt cgttcgcac      360
cagtcccat tgaccggccg cacagcaacc gtccgtgcag tgaacttcga cccgacgtac      420
cagaacatct acatccagtc tgccacgctg aatggcaagc catacgctaa gaactgggtc      480
gaccatgact ttttcaccaa gggaaaggag ctggtacttg ttctaggtag aaacgagagt      540
cgctggggaa cagccgagga ggatcgcccg ccttccttgt cgactcgagg aggggcctct      600
tcttcggggc tcaggcagag aatgggtgat ttcgaccccg ctgctctcca gttcggcgag      660
tatggccacg cgaggcgacg acgtcactct tttccgtttg cttaccggca ccatgctgtt      720
gccaaggaat tcacccacac gtag                                     744
```

<210> 4455
 <211> 660
 <212> DNA
 <213> A.fumigatus

```
<220>
<221> unsure
<222>
(7), (8), (11), (26), (63), (65), (66), (69), (78), (79), (84), (121), (132), (133), (134), (142), (143), (144), (145), (155), (156), (162), (169), (170), (173), (185), (186), (205), (206), (207), (208), (220), (221), (226), (227), (230), (232), (238), (239), (240), (241), (242), (243), (244), (245), (258), (259), (260), (261), (262), (263), (264), (265), (266), (267), (268), (269), (270), (271), (272), (273), (274), (276), (277), (418), (513)
<223> Identity of nucleotide sequences at the above locations are unknown.
```

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<400> 4455
gggggcnnnc nccgcgcggg cccgcnnnggc gccccccggg gggcccccg ggcggggggcg      60
ggncnngng gcccgggnc gggngcccgg gggggggcgc cccccggcg ggcgcggcgc      120
nccggccccg gnnnggggg gnnnncccc gcccnncccc cccccccnn ccnggggccc      180
ccccnncccc ccgggcccc cccnnnnccc cgcgcggggn nccccnnccn gncgggcnnn      240
nnnnnncccc ccccccnnn nnnnnnnnnn nnnncnnccc acgaaaggtc actgagctct      300
ttctgtccaa cccggagcaa gtccggctcg ccggcctcgc ggcccgcgac tccctccgcc      360
tcgaggcagg catgtgcctt tacggcaacg acatctccac cgcacagaca cctcccngtg      420
cggccttggg ctgggtcgtc ggcaaggacc gccgcgaccc cgcaacggcc aacttcaacg      480
gcgcgcgcac cattctccc cagctggcgt ccnccgcgaa gacctctcgc cagcgcgctg      540
tcggcttcac agtcgagaag ggcagtcccg cgcgcgaggg cgccatcgtc gtcgacctgg      600
gcgacgagtc gcacccgcag atcgggtgtc ttacctccgg actgccgagt ccgtcactag      660
```

<210> 4456
 <211> 447
 <212> DNA
 <213> A.fumigatus

```
<220>
<221> unsure
<222> (123), (218)
```

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4456

gctctttctg	tccaacccgg	agcaagtccg	gctcgccggc	ctcgcgggcc	gcgactccct	60
ccgcctcgag	gcaggcatgt	gcctttacgg	caacgacatc	tccaccgcac	agacacctcc	120
cgntgcggcc	ttgggctggg	tcgtcggcaa	ggaccgccc	gaccccgcaa	cggccaaactt	180
caacggcgcc	gccaccattc	tcccgcagct	ggcgtcncc	gcgaagacc	tctcgcagcg	240
ccgtgtcggc	ttcacagtgc	agaagggcag	tcccgcggc	gagggcgcca	tcgtcgtcga	300
cctgggcgac	gagtcgcacc	cgcagatcgg	tgtcattacc	tccggactgc	cgagtcggtc	360
actaggcggt	acgaatatcg	ctatgggcta	tatcaagaac	ggcatgcaca	agaaggggac	420
cgaggttggg	gtgttggtcc	ggaataa				447

<210> 4457

<211> 810

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(8), (9), (12), (27), (64), (66), (67), (70), (79), (80), (85), (122), (133), (134), (135), (143), (144), (145), (146), (156), (157), (163), (170), (171), (174), (186), (187), (206), (207), (208), (209), (221), (222), (227), (228), (231), (233), (239), (240), (241), (242), (243), (244), (245), (246), (259), (260), (261), (262), (263), (264), (265), (266), (267), (268), (269), (270), (271), (272), (273), (274), (275), (277), (278), (419), (514)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4457

ggggggcnn	gncgcgcgg	gccgcnggg	cgccccccg	ggggccccg	gggcggggg	60
gggncnngn	ggcccgggn	cgggngccc	ggggggggc	ccccccggc	gggcgcggc	120
cncgggccc	ggnnngggg	ggnnnnccc	cgcccnccc	cnccccccn	ncnnggggc	180
ccccnnccc	ccggggccc	ccccnnnnc	ccggccggg	nnccccnnc	ngnccggcn	240
nnnnnnccc	ccccccenn	nnnnnnnnn	nnnnncnnc	cacgaaagg	cactgagct	300
tttctgtcc	accgggagc	agtccggct	gcccggcct	cgccccgca	ctccctccg	360
ctcgaggcag	gcatgtgcct	ttacggcaac	gacatctcca	ccgcacagac	acctcccgnt	420
gcggccttgc	gctgggtcgt	cggcaaggac	cgccgcgacc	ccgcaacggc	caacttcaac	480
ggcgcccgca	ccattctccc	gcagctggcg	tcnccgcga	agaccctct	gcagcgccgt	540
gtcggttcca	cagtcgagaa	gggcagtccc	gcgcgcgagg	gcgccatcgt	cgtcgacctg	600
ggcgacgagt	cgcaccgca	gatcgggtgc	attacctccg	gactgccgag	tccgtcacta	660
ggcggtacga	atatcgctat	gggtatatc	aagaacggca	tgacacaaga	ggggaccgag	720
gttgggggtg	tggtccggaa	taaggtccgc	aaggcaacag	ttacgggtat	gccttgggtg	780
gagagcaagt	tctaccggcc	caaggcttga				810

<210> 4458

<211> 321

<212> DNA

<213> A.fumigatus

<400> 4458

gggtcaacgg	cactgacatg	gaacttttca	cgcgaaatcag	gcaagctcgt	caaggacctc	60
tcccacattg	ccgtcacctt	tggccgcccc	gagaagaatg	tcatctccat	cgagatgcac	120
cacggcgccc	gcaagggtgt	cgctaccctc	cgtaccgttc	gcacccttat	caacaacctg	180
atcatcggtg	tcacccgggg	cttcaagtac	aagatgcgct	acgtctacgc	tacttttccc	240
atcaacgtca	acattgagaa	gaactccgag	actggccagt	atgaggttga	gattaggtac	300
gctgcgcata	acccaattg	a				321

<210> 4459
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 4459
 acacctatag accttgaacg cataactgaaa ctaacgtggg agctgttgat ttcacatggg 60
 gtggagagtt gcaatggcaa caatgctccg acagatttca agtctctttt atcttccatc 120
 cctggaacct ccaacagcaa caacaactac ttctccccta ttcgtcttct acagaatctt 180
 agtcttgggg cttcttttat tttatcgga tga 213

<210> 4460
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 4460
 agagttgtgc tgacgggctt tgcgattgtt agaaacttct tgggtgagaa gatcgttcgt 60
 cgtgtcaccg cccagccccg tgtcgaggtc gctatctcca gcaacgtcaa ggatgagctc 120
 cagctcaccg gtaactccct ggaggcgtc tcccagagcg cagccgacat ccagcagatc 180
 tgcagagtc gtaacaagga tatccggaag gtatga 216

<210> 4461
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 4461
 gatcgtctat atgcacgcat acaaagtccc catttttagga gggtaagtgg aatgagaaac 60
 atttcaacca cagtcacccc agacttcctc cgctctaca acgccaatgc actcctcgcg 120
 gttcgcgtcg tgcattgacg caactacctc cagcggggaa ccacatgcag aattagcttt 180
 cgcaacgcgg cggcggaatt cctcgagggg gctggcgctc gagacacgga gccagtcact 240
 cggggttacg gagaagggga gaccagggc agccagggcg gacgcgctca tgtcaatatt 300
 actactctgg gagagggagc ggatattggc tgggtgggatt ag 342

<210> 4462
 <211> 1620
 <212> DNA
 <213> A.fumigatus

<400> 4462
 atacatgtat caagcctcat gcccgccatt gcctcaccg caactgatgc gaagctgtta 60
 ccgacggcga aagcaaccaa ttggtttgtc atccgtgcca tcgagtctgg aggcttcaat 120
 gccgagaatg accctcgagc ttctgaggcg ctgctcaaag ttactccgca tgttgttcca 180
 ccgtggagta acaatacctc tcctatggaa gaagacgtgg aatcgttgac attggggcag 240
 ttgtacgacg acacgtctgc attagcgggc cttatggagt acaatataag gttctttgcg 300
 tcgcagcggt tgtgtacaga cgcgttagac gccttctcgt ggcttcagga agtgggtgat 360
 gcgagcaagt tgcagcgcat ccgcgaattt tctgagcgag tgggccagtc ggatactgct 420
 ggctacctt catttgacgc taacagcctg gaatccttca aaccgtttga atcgctgatg 480
 ccgcagatgt cgatcggttac agtagctgaa ttgctggact tggtcacgac atcgcgggcg 540
 tttgcattcg gagaatgggt gttcttttcg aatgacattg acggccctcc cattcctcca 600
 agtgcatacg ggaaccaagc cctcgcgccg tcgatcatcc gattcgcaag cgccactaag 660
 aacgaagcac tgtgtaattc ggtcgtgcgg tctctctctc aacctctctc cctgaacacc 720
 atgcggggcg tgttgaactt tcggatcgct atggggcagt gggattccgc aactatgatg 780
 ctggagtacg tccgcgacta ccgactaaag tcatggggat acagcaacgt cacggcgctg 840
 gccgcagcac tcgtgcggat ggaccacgct ctcaagcagc aacctccac ggagcggcaa 900

agcgacctag	accgcgcaaa	ggaccttctt	ctccgtctcc	tcaatggcga	attcaatgaa	960
tcctgccact	ccaaaaccag	cttccaggac	aggttcatcc	acagcatccg	ccgcgtcttc	1020
ctgacctatcc	caggctccct	ccgcgaggtc	gccccaaaaa	cccacctcaa	gtacaaagcc	1080
acagcgcgca	gtaatatccc	ttacatcccc	gccacggcct	tccacgcgct	cctctccgcc	1140
gtcgtagaca	cgcacggcag	tgcggccggc	aaacgcctct	gggaacagtg	gtgtctcgac	1200
gtccgctccc	caaccttctc	ccgccttcag	gaaggcggca	tcacccgcct	gtacctgcag	1260
cgcgagcgtg	acccgcgcaa	gggagaccca	cacttcgacc	cgcggtactt	cgcgcagacg	1320
cagaagaagg	ctgttcttcc	gaaccccaac	accgtccgca	tcacgcgcga	gcaggccgctg	1380
aaggagtaca	ccgagtttga	cgaggctcgc	cgacgtcaac	aagctgacca	gcataaacag	1440
caagactcga	accccgcccg	tgaagtcgtg	gaattctgta	tccggcagtt	ccaggctttc	1500
cgggtgccgt	ggagggagat	caacagggaa	ctcagggggc	tcgtgtaccg	catgcacagg	1560
gagaagaaga	aggagcgaaa	gaagatggga	agagatggcg	cttccactcc	taacaagtaa	1620

<210> 4463

<211> 1281

<212> DNA

<213> A.fumigatus

<400> 4463

tgcgactggc	tgacattttc	tatagaggca	ggaaattacg	caattgatat	attcaagcga	60
gctggggaga	cggctgggtg	cggtgcctcg	ggtttctttc	aagagttaca	gaacgttgcg	120
gagcagactc	atcgcggtcg	gcagaaaacc	actgaagata	tcgaagtccc	ggagtggctg	180
cagaagatcc	tccgccttga	tgaaggttca	catgacggaa	gcggcggctc	gtctggaggg	240
gggtccccta	aagaaagtgc	agctgggtgc	gggtgagtgt	gggtggctgc	tggctcggct	300
tttggttaca	gccagtctga	cgaagatgaa	gtccgtcacg	cgagacaaat	cgccgaggat	360
gaccagatga	tgcttcttac	gcggaagatg	atcgagatca	gaaatattct	tcagactgtc	420
gggcagtcgg	gtaccctcac	actgccatcg	attgttggtc	tcggatcaca	atcttctggc	480
aaaagttctg	ttctcgaggc	cattgttgga	cacgagttcc	tgcccaaagg	gaccaacatg	540
gtcacgcggc	ggccaattga	gtcacacta	gtcaacactc	caaacgcgca	atccgaatat	600
ggagagtttc	ctgctttggg	cctagggaaa	attacggatt	tctcacagat	tcagcggact	660
ctgaccgacc	tcaatcttgc	agttcccga	cgggactgtg	tttcggatga	cccaatcaag	720
cttactatct	actcccccaa	cgttccggat	ctttccctga	ttgatcttcc	aggatatatc	780
caggttgctg	gaaaagatca	gccgccagag	ctcaaacaga	aaattgctga	cctctgcgac	840
aagtacattc	agccacctaa	tgtgattctt	gcgatttctg	cggcggatgt	tgatctagcc	900
aattctaccg	ccctcagagc	aagtcgcagg	gtggaccctc	gaggtgagag	aacgatcgga	960
gtcatcacta	agatggatct	ggtcgatccg	gagcgaagat	tcagcatact	ttcagatcag	1020
aaataccctt	tgcgtttggg	ctacgtccgt	gtggtatctc	gagttcctca	gaacactgct	1080
ctgtttttcca	gggtatcggc	aatatcacta	atgcgattct	caagaatgag	aatgcctact	1140
tttcggctca	tccgtccgaa	ttcggctctc	catccggtgt	atcaatgggc	gtttccacgc	1200
tgccaaggaa	actccttctt	gttcttgacc	caacattgca	ggcaacctaa	cccggtttta	1260
agggaaactct	ttcccccaata	a				1281

<210> 4464

<211> 1131

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1125)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4464

cgacggcccg	tgacgaattt	cgtcacgctt	tcttaccgtc	tccttagaac	aggccggtcg	60
gccatccgat	catggcggaag	gcaatatgct	aatggtaatg	gcagagcacc	agaatcatct	120
gtccttctgt	caaattgggt	tcgtactgca	cttgggtctag	gtggaacagc	tgccgctacc	180

ttcttagtct	atacctttgc	gaccacccga	agcgatcaac	ttgagagtgc	tattgagggc	240
aagaccgtca	cgccaaaaat	tgtcaggat	ttggattccc	agtatgtgca	agaaaaaaag	300
agtctgaaga	gccctggagt	ttacctatgg	ggaaacaaca	cttatcgtgt	tgtggatcct	360
acctccaaag	aatcggtggt	gaagactcct	cgacaattac	cctactttga	gggtcaagtg	420
ctccgagatc	tcaaaatttc	agagaagtct	ggtgctgcca	ttactgagaa	tggatgatctg	480
gttcaatggg	gtaaagggta	ctcggaact	gacttcaaac	caacaaagac	cttgactggc	540
aaggattttga	ggtcgtttgt	catgtcagat	gatcgcatat	ttgcattggc	ctcaaacgga	600
aatgtatact	cactcccaat	tgccaaggat	gaccaagaaa	gcggtcggaa	acccaaggaa	660
ggctcttggg	tcccattcag	ctctggaaga	gctggcgtga	gctatcgatt	gcttgaaccc	720
gcattgaggg	taggcgaaaa	agtcaccgcc	atcagtggtg	gactacagca	tgcgctttct	780
ttaacgaact	ctggtagagt	cttttcggtt	gcttcttcca	ctgagggcta	tcttctcttt	840
ggacaacttg	gtgtgcctgg	attgacttgg	tgcactcgac	ctcaagggcc	cgtggatacc	900
tgccatgagg	tgaagaccct	cagcaactct	aaggttactg	aagttgctac	cggagattac	960
cattccttgg	cgcttaccaa	ggatggaaac	gtttacgcct	ttggcgacaa	ttcctttggg	1020
cagctggggg	ccgaattcga	ccctgctcag	ccattcaacg	atacccttac	tctagtgcc	1080
ctgaagcttt	tctacccacg	caaactcttc	ttacggcagg	gcagngagta	a	1131

<210> 4465

<211> 705

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4465

agtatgcttc	tttcttcca	tgcatccac	actggcagat	ggtcgaatca	ggatcgcatg	60
gccggcgcac	aggatcttga	ccggcccttt	ttagcgcttc	cccaggacat	gcctccggan	120
tggcagccgg	aacggcggat	tctgcagtac	cccttgcccc	atgtgtatgg	ccaggaaatg	180
gacatctatc	gtgatcggca	tgtcactcag	acctggaatg	ttgtgcggca	gggtgcgcac	240
caactcaacg	aatatctcgt	ggactgttat	gagacgttga	acgcgggtcca	cggagttaac	300
cagctcgctg	catctgaagc	tgccctgagc	gatattgcag	cgctgtcgct	cgaggtttat	360
gcctccgttc	cacaatatgc	aagctatgcc	tgccgatcaa	aacgcagcca	agggcaggca	420
gataaacacc	atctctccgt	tgtctcgag	aagggctgca	acaaagtgca	tacgcgctct	480
gagctcctcg	actgttacac	tcttctgttt	ccgatgtatg	ttgcccgtcg	atccaaggct	540
gccacagccg	atcagagacg	gtgggtctcg	tacatgttcc	gttatatcag	cgatcacttt	600
ggcattcgta	atgccttgct	actggcacag	ttactcgatc	agaacagcga	tattagtcct	660
tgggtgcattt	atgctatgct	aggggggatac	ggattcgccg	cttga		705

<210> 4466

<211> 798

<212> DNA

<213> A.fumigatus

<400> 4466

aatacgatgt	tctgcaatac	gtcgatccac	tcattggaag	tgccaacgga	ggtaagctcc	60
cgagctagaa	tgttgactgg	tgtagacgat	cgttttctga	cagactcaat	aggtaatgtc	120
tttgctggtg	catcgcttcc	ttatggtatg	gccaaaggcg	tagccgacac	gaattccccg	180
agcaaccagg	gaggctttac	actcgatggc	agcaatatata	ctggtttttc	tagcttgcac	240
gattctggca	ctggaggaaa	cccatccctc	ggaaacttcc	cattgttccc	ttatcccaaa	300
tgcaaaagtg	acgatgtcaa	tggttgcgct	tatccgaaga	aagagcgcca	catcggatat	360
catcgcgact	cgggtcaaagc	ttctcctgga	tactttgcac	tgaccatgaa	ctctggcatt	420
aaagtcgata	tgaccgtttc	ccatcataca	tctctgttcc	gtttccagtt	ccccaccgac	480
gggtgcatcga	gtccgcttat	cctgcttgat	cttacagacc	tatcggattc	aagacaggac	540

aatggaacga	tttccgtcga	tgcttctacc	ggacgcatga	cgggccatgc	gcgctttctg	600
cccagcttcg	ggagtggatc	atacgtgccg	tacttctgtg	ttgactttca	gagcaactct	660
gcagttcgcg	ataacggaat	atgtgtcaat	tcacgcgcga	gcacagacgt	gaaggaattg	720
aggatatctc	ggaatatcaa	aggataccct	cttccagtga	gtcaactggc	gggctcattc	780
aataggaacc	tattctaa					798

<210> 4467

<211> 351

<212> DNA

<213> A.fumigatus

<400> 4467

ttgcccagca	tgctgtcctg	tgctcgaagc	cgcgtcgcgg	ccttctccac	ggcgtggact	60
ccccgcttcg	tcgcccgggc	cagctattcg	acaaccatgc	ctcgctgac	agagaaccgc	120
atgcaagcca	atgacccgac	ctcgcggaacc	cccagagcca	atgtctctgc	caccaatgct	180
accctacccg	actcacaggg	tgtatgggat	gctcctctgc	gcgaggagcc	cgaggccggc	240
gagcgtaacc	gccagcttca	ggcccccaac	cgtgccacta	catgggccgc	tagccagcag	300
cctcgggaaa	aggctatgac	cggctcctcg	ttcgagcaga	ccatcatgga	g	351

<210> 4468

<211> 249

<212> DNA

<213> A.fumigatus

<400> 4468

gctcaacaag	tcattcagaca	tctttccgcc	ggaatccggg	gggagttcac	cgacattgaa	60
gagactgtca	agtactaccg	gtctcattcg	tgcattctata	ctatgctcaa	gtgcacatgt	120
ttgatcctgg	aggattgtac	acaatatcag	actgaggggc	cattgcctgc	tttggttcacc	180
ggctgcgcca	actgttgtct	tgtggcgctc	cttgataata	gcagttgtcg	aatttctagg	240
atactatag						249

<210> 4469

<211> 534

<212> DNA

<213> A.fumigatus

<400> 4469

ggtaacctcg	ttttatgcat	cttccgccgt	ctgcgtgcag	ttcactccac	tctctcccca	60
gctctgatga	gccaaatgct	ggagctgatt	acgaaagctc	tcgcctgogc	tcgccaacta	120
gtagacgcaa	actgcccatg	gagccacgtg	gcgaatgtcc	ccttccaggc	tatctgcacg	180
ctcctggcgg	tggacagtcc	ggagtcgttg	tctctgttag	acgacgcggg	gcagactctc	240
aaatacgtga	cggatgtcta	tgacactgag	gtattgaggg	aagcataccg	caccgcgggc	300
tctctcattc	tattgcagca	gagacgaaag	gagcacgatg	caggccgttt	gaccagtatc	360
tgggggcggc	acttcggccc	tgataacgat	accatgtcgc	agcgacggcc	gagcatacag	420
gattccgagt	ctttcaggga	cttggtcgcg	gatttgtcca	gttcggagaa	tttcgatttt	480
gcgcagttct	ttatcgcgga	taacccctgg	aatgcgctgg	gaatggatag	ctag	534

<210> 4470

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4470

tctcattggg	tgataccaca	aagtaggcat	acagacatac	atacacacat	acatacagat	60
aacggtaggg	aaatggaagc	aaagaccgcc	aaatgcgacg	acactcaatt	tgataaagca	120
gatgacattc	ctctctcgtc	gaactacacc	gagatcccga	cactgcccga	ctcgcccgat	180

ccccgttcat caaaaagcgg catggacgga atccgagcac cctcccctac ggaacagaac 240
tga 243

<210> 4471
<211> 690
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (147)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4471
ggtgggggatt ctaccacgct tggaacacca cctacaaaca atccttcaga gttgcaacgc 60
aaaaccagga cgatcttgcc cccgcgcac cagtcgtggt acgtattggt cgcaggggcat 120
gggctcttgg cggccatgtg gctggcngac accgtcaagg gcatcgacga gggccacctc 180
gggctggaca gccggcgcgga agcccgcacc gcaatggact tcgtcgccac ctcggcgggg 240
gacaacgcgc tgcccgtcgg ggccatcgct cagcgctcct gcaagggggc ggactccctg 300
gccaaccgca tccagttcta ccacgacgcc gtgaacgagg ccgcgtttct gacggagccg 360
tggaacgctc tcttgattcg ctgtttcgcc aaggcggcgt atattctgct agacgacatc 420
acgcccgcagt cgcacggcgc gcggccggac gaccgcgcg agtacgccc gcggaactgc 480
gagttctgta tctcggcgct gtggtgtctg gggacgaaat cggacatggc gtttgtggct 540
gcgcgctcgt tgtcgaagct gctggatacg cgactaggga aagggtgtcga tcagttctgt 600
tccgtagggg aggggtgctc gattccgtcc atgcgcgttt ttgatgaacg gggatcgggg 660
gagttgggca gtgtcgggat ctcggtgtag 690

<210> 4472
<211> 336
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (149)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4472
acgggtgggga ttctaccacg cttggaacac cacctacaaa caatccttca gagggtgcaac 60
gcaaaaccag gacgatcttg ccccccgcga tccagtcgtg gtacgtattg gtcgcagggc 120
atgggctctt ggccggccatg tggctggcng acaccgtcaa gggcatcgac gaggggccacc 180
tcgggctgga cagccggcgc gaagcccga cgcgaatgga cttcgtcgcc accctcggcg 240
gggacaacgc gctgcccgtc ggggcatcg ctcagcgctc ctgcaagggg cgggactccc 300
tggccaaccg catccagttc taccacgacg ccgtga 336

<210> 4473
<211> 645
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (148)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4473

cggtggggat	tctaccacgc	ttggaacacc	acctacaaac	aatccttcag	agttgcaacg	60
caaaaccagg	acgatcttgc	ccccgcgcat	ccagtcgtgg	tacgtattgg	tcgcagggca	120
tgggctcttg	gcggccatgt	ggctggcnga	caccgtcaag	ggcatcgacg	agggccacct	180
cgggctggac	agccggcgcg	aagcccgcac	cgcaatggac	ttcgtcgcca	ccctcggcgg	240
ggacaacgcg	ctgcccgtcg	gggccatcgc	tcagcgctcc	tgcaaggggc	gggactccct	300
ggccaaccgc	atccagttct	accacgacgc	cgtgaacgag	gccgcgtttc	tgacggagcc	360
gtggacgctc	gtcctgattc	gctgtttcgc	caaggcggcg	tatattctgc	tagacgacat	420
cacgccgcag	tcgcacggcg	cgcggccgga	cgaccgcgcc	gagtacgccc	ggcggaactg	480
cgagttctgt	atctcggcgc	tgtggtgtct	ggggacgaaa	tcggacatgg	cgtttgtggc	540
tgcgcgctcg	ttgtcgaagc	tgctggatac	gcgactaggg	aaagggtgtc	atcagttctg	600
ttccgtaggg	gagggtgctc	ggattccgct	catgccgctt	tttga		645

<210> 4474

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (158)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4474

cttggctttt	ctcgttccta	tggatacaaa	gcgcaatcga	atgtagccca	aagctttagt	60
caaaagggtg	ccaggaatth	cattaagctt	ggcataatcc	aacgccttcg	cggttggcga	120
tggggttgg	ggatacctcc	catgggcctt	gggccatncc	ttttactaac	cgaagaggaa	180
atggcg						186

<210> 4475

<211> 501

<212> DNA

<213> A.fumigatus

<400> 4475

gatatcacta	gtctttttat	ggcagaccaa	ctggccctta	cttactccat	acgtactttt	60
acaggattag	gccacacaaa	agaactttac	agccgtttcc	gccaaaccgc	cttacgccct	120
cccgttggg	tcttcggggc	cgtgtggacc	gtcctctatg	gaatgatggg	ctacgcggcc	180
catcacgcaa	cagcctccac	gacctcctc	acgccagcga	ccgcagtagc	ctctttccaa	240
acattgtaca	cgacgcagct	ggctctcaac	tacctctgga	tgccgttatt	ctttggtgcg	300
cggaaacctg	ggtggggcct	tgcggatatt	gtagctctgg	gtggtacggt	cggcaaactg	360
atggcaatgt	ggtgggattt	cgatcgcact	gcgttttgga	tgatgctccc	gtatgcaggt	420
tggctctgct	ttgcggcata	tctgaatggt	agcgttgggt	ggttgaacaa	ctgggatttt	480
gacagtcgtg	atggacgata	g				501

<210> 4476

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4476

ttggagctac	tattaacaaa	gcttagtctt	cctgccatt	ccattaatca	ttataatcac	60
gtgttcattc	aactctacaa	catgagtgac	ccttctttgg	gcagccgctt	cattgacaac	120
acacctttat	cgtatgatac	atacagcatc	gtgatagaat	cggcatccct	ttctcttcga	180
aggtga						186

<210> 4477

<211> 1518
 <212> DNA
 <213> *A.fumigatus*

<400> 4477
 cgcggatcct tgcacccccg tgggtgaagac acgcgtacgg gagccgcctt tgtcccaatt 60
 gacccccgacg ctctatataga gagaatgcag aaaattctca aattgactaa tgcctgctgt 120
 attctcacct ccgccagtct ggctgagcag actcgcgcca aggctcctgc caggggtggct 180
 gtgttcgcga ttccgttgga cagatcagca aggatgtcta ctgattctga tttgatgccg 240
 ggacaatcga tagtttcaca cgaggcagtg tatgtgcttt ttacttccgg ttctacaggc 300
 attcccaagg gcgtcgttgt taccacacagc tcgatgaagt ccagcttaaa agctcatggc 360
 cgtcgtctgg gtctgtccga gagctctcgc gtctacaat tctccaatca taccttcgat 420
 gtttcaactgc tcgagatcct cacaaccctc gcgtatgggt gatgcgtctg cattccatcc 480
 gatgggtgatc ggggttaaccg gctgtctgaa tatatgcgtg atgctaagggt aaattttgcg 540
 attctgaccc cctctgtggc ccaaatcctt tcccccgta gtgtgccaga ccttcgcacg 600
 ctagecctcg ccggagaggc atggggccag gaaatcgtga atatctggag agactcagtg 660
 cgtttattca acgcctacgg gccacggag gccactattc tcagtgcgat tggagaagtg 720
 gatgctcaat gcttccgccc aaacaatatc ggttcaggaa gcggcgcgct ttgctgggtt 780
 accagtccga ctgacccgac ccgcttgatg gccatcggcg ccgcccgtga gcttctgctc 840
 gaaggcccaa tactcgcgca aggatattctc ggcgagggaag agaagacgcg ggcagccttc 900
 atcgatccac ccatgtggcg gcgtgagctc tctagccatg gggcacctcc atgccgtctc 960
 tcctgtacc gaaccggcga tttggctcgg tacgaagagg atggctcgat cacctatctc 1020
 ggccgcatgg acggccaggt gaagatccgc ggccaacgga cagaattaag cgagatcgaa 1080
 catcacattc ttgcatctga tgcggtgaagg aacgcgggtg ttttgctgag gaagaacaag 1140
 ctagtatgcg tcctctctct ccagtctact tccctcacgc ctgctcttct tcggcctgga 1200
 gacatccgcc ctgtgtctga cgatgatcgt gatgcggccc ttcgtatatg cttgtcaata 1260
 cgtgccggcc ttgctcggaa ggtaccagag tatatgggtg ccgaccttg ggtgcccgctc 1320
 atcgatcttc cctctcctc ctccggcaag ttggcccga agggcggtga cgattggctc 1380
 gcatccgttg aactaaaca cctgatcaat ctgtctctgc agaagatacc tttatcaacg 1440
 acatcgccat cgcctaatat agcgtcatca tcagtggagc gggccattcg tcaggtcata 1500
 gcgggcgcct tgcagctt 1518

<210> 4478
 <211> 360
 <212> DNA
 <213> *A.fumigatus*

<400> 4478
 aacgagatca gacgaattag tggagggaac atcacagata taaagcgggt gtggcagcct 60
 aatacgttgc aactatgtat cacacaactc gaatctgaca actacagcga tatgcaggat 120
 actacagcta catctctacc cttgtatctc cattgtaccc agtccggttt cctgaaaggg 180
 actctgagcc tcacctcgag cctgtactgg ccattgacct ttggttctgg tcttatgggc 240
 ccctttgggt tgccgctacc aaaccttcaa gatgcattct ctaatccagt acaaccttta 300
 catggttggt ttcccttcct cctaattttc actcagcatt ctgtgatttt ctctgcgtag 360

<210> 4479
 <211> 660
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (36)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4479

gagttcgttc	cgaccttcga	tcctcgaaca	aagacntatt	cgctcgaccc	caagttacca	60
tcggtaggcg	aggcgctggc	ggatctggcc	ggcagcaccg	tgctcctggg	gtcgaggaat	120
gctccttttg	tgcaattctt	caactacacc	aagccagata	acgtgtcctc	tgactcgcg	180
gagcccgtgt	cgcagtattt	cgaggccacc	gttcgcgcgc	tcgggtatgc	ttccggcggc	240
acggagcaat	ggcagaacgt	gttctatctg	atcctgggtg	ttgccttttt	gaccagcgcc	300
atcattctcg	ccttcatgct	gttcgaggtg	cgtggacgac	agatcaccga	ctttacagaa	360
ccgcagaatc	tgtttgcgtt	ggcgatgaac	agcccggcca	ctgcgcagct	gcaaggggca	420
tgtggtgcag	gaccgcaggg	tcgccagctg	aacgagcggg	tctatgtggc	catggaggag	480
gaggatgagc	attattacat	ccggaccaag	gccgaggaga	atgtgcggcc	ggcctcgatg	540
agagcccgtc	gctctatggc	ctcgatggaa	gtcgacgaga	tgcccaaggc	tgtcagtcgg	600
gccatggatg	aataccggcg	gctttccagt	aggagcagtc	ttttgtcgag	attttattag	660

<210> 4480

<211> 474

<212> DNA

<213> A.fumigatus

<400> 4480

ctttgcaacc	tctggatgag	aaaaggggtcc	cataatctac	gtgcgcaatg	taagtttagc	60
cttttgatct	acacggctgg	tcatctcggc	cgctcgaggag	cttgtgctaa	cgatcctgat	120
taccagctgc	catggctctac	ttgcaatgac	gatctgggtg	atcttttctc	caccatcggc	180
aaggttgaac	gtgccgaaat	tcagtatgag	cccaacggtc	gctctcgtgg	cacaggtgta	240
gtccaattcg	ataacgcgga	gactgcggag	actgcgatcg	gtatgttacc	gttggaaaat	300
atcattgacc	gcacgcaggc	taaccctctc	acagccaaat	tactgggtta	tcaatatggt	360
ggctgtcctc	tcggtatcac	gtttgtcaag	tacctgaatg	tcgaccaggg	ccaaggcgaa	420
cccatggaag	gcgcagaaac	cactaccggt	ataacgcagg	atcagatcat	gtaa	474

<210> 4481

<211> 363

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (300)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4481

gcattctttt	ccttccacgc	ccggcgtgca	gataagggct	ccggcattgt	ggctttcgaa	60
tctccggagg	atgcgcgcaa	cgctattcag	cagttcaacg	gctacgactg	gcagggacgg	120
acattagagg	tccgtgagga	tcgctttgcc	ggttccggac	ccggcttttg	cggccgtgga	180
ggctatggtg	gctacggccg	gggtggcttc	gggtggtcgtg	gtgggttttg	cggccgtggt	240
ggatttggtg	gcggcggctt	caggggtgga	tacggcggcg	gtgggttttg	aggcccccna	300
aacttcgagc	ccgtcgcac	ggttcctccc	aaccatttta	ctgactttgc	aacctctgga	360
tga						363

<210> 4482

<211> 759

<212> DNA

<213> A.fumigatus

<400> 4482

atgctggaca	aaatgggccc	attgtcgggtt	ttcaaccgaa	aacgaagagc	cgccgatggc	60
actacccctt	cgccggcgag	taatgaatcc	ctatcacccc	ctgcaacggc	agcgcttttg	120
aatgatgcag	agaaaatcaa	accggtcagc	gaaacagcgg	ccatcgagca	agaaacggaa	180
caagatcccc	aagttgcagc	acttcccctt	gagggtccgc	aactgggtcag	cctcacagac	240

```

gatcccactc tgcaccacat cacctgtcgc tatttccctgc tctccctcct ctttgttgtc 300
cctggggctt tcttgtcgca gatgagccat taccgtacaa cgcaagcgcc gtattccgtc 360
ttcttcgtgc agattgcctg tcaactatgtc gaccactttc tggcgcggtg gctccctgcc 420
tggaacgatcc gcatcccgct gacgaaatgg gcattcagtc tcaaccctgg gccgtggagt 480
atcaaggagc atgtgtcgt caccttgaca gcagcatctg gcgcgacct caatctgggc 540
tacgtcccca tctcgatggc tgaactgttc tatggagaaa gagtgcaccc ggccgtggcg 600
atcttcttca tgtttgcgat tgtctggatt ggatatgct tagcggcgat tgcgcggcag 660
atcttgttgt atgatcctgc tttcatctgg cctcaggccc tgatgcaaac caccctgttg 720
ttttcatcca cgaggagccg ccacccctccg cgagtgtct 759

```

<210> 4483

<211> 246

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (83)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4483

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caacggaggt tgcttgggtc ccttgaaggg gctttccaag ggagtttcag gggactcgct 60
tcccgccatc caaaccacca ccttggtaaa ctggccatcc ccatcaacat caaacacgtt 120
gcaattccgc atgtcattct ggttgccatc catcaactct ccaacataag tctgttcggt 180
ggaaaccctg cgattgacct cgtcgacaac gatgttgggtg atttcatgac gcacgttcg 240
agctga 246

```

<210> 4484

<211> 183

<212> DNA

<213> A.fumigatus

<400> 4484

```

gggcccttgc gtcttgggtt tagctcgga ggcgtgatcg agtggctatc taccgcaagc 60
agcgctatta gtcaccgcac cggcgatact tacatactaa ccttgcctct gtgtgaatac 120
gggaatgggc catctctagt tatcaagata tctgcttgtt ggatttccaa gtatggatgc 180
tga 183

```

<210> 4485

<211> 561

<212> DNA

<213> A.fumigatus

<400> 4485

```

tctataaaca tgagtaaaca taatccatca tggctctact ccacccctgtt cttcaccccc 60
tccagcacc cctcgcacca cttctccctc ctctcaaact cccattgaa caagcctggc 120
aacaccctct tcgcattcgc atgtcctc tcaaaccacg ggccctccca ccttttctgt 180
ctgcacatca caaccgctc ctccaacaat ccagcccca ccccttccc gcgataccgt 240
ctctcaaccg tccagccca aataacccc gtcattttca ccttcttct acccgaggga 300
acagggacc cagcaaac aaccaccca ataactctt ctgcgaactt cgtcaccaga 360
atctcctgt cctcccctg ccccgttct ttaggattag tgcgactagg caacagccac 420
tccccttcc caaccctct cgcctcctca atatacccc cggtaacccc cctcacgacc 480
aacaatccc ccatcacgca cccgcgctc gtcgtccga tgagcgggag gtcagaggaa 540
tcggtgtaca gcgctttata g 561

```

<210> 4486

<211> 579
 <212> DNA
 <213> A.fumigatus

<400> 4486
 gggaatctga tctgatgtg tgcgggagcc atccccggtt actggatgac ggtggccacc 60
 gtcgacacca tccggcgcaa gcccatccag ctgcttggct tcattatcct gaccattgtc 120
 tttatcgtaa tccgtgtcgc atacgagccc atgaagaaat cccacaacgg tctgctgggt 180
 ctgtacgtca tccgcagtt cttgttcaac ttcggcccca acgccacca gtttatcgtg 240
 cccggcgagt gctttccca cccgtaccgg tccacctctc acggtatctc tgctgcatcc 300
 ggcaaggctg gcgccatcat cgcgcagtg gtgtttggac ctctggtgca caagggcgcc 360
 aaagaccctt cgaatcccc ttggctcaac cacgtcatgc agatctttgc gctgttcattg 420
 ctgtgcggtt gcttcaccac tctgctcatt cccgagacca cgcgcaagac cctggagcag 480
 ttgtccggag aggagtatga gagtgatacc ctggtgcaga actctcccat gatccaggca 540
 gagaagaagg tggataattc aagtgtctgc gatgttttag 579

<210> 4487
 <211> 318
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (241)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4487
 cgtggcaaac cacgtcattt cctcgaggcc agctatgttc tctggaagcg gattgttggc 60
 cccagtcctt atcttatact ccctaactac gtgtatcaga taatggttgt ggaagcctgc 120
 acattcttca agctctgcaa gagtttcttt tccggcgata tagatatgga ctacaccaag 180
 acccttttca accgaaccat ctggggcgatt cggggtgtat cgggtgtccag caacgacctc 240
 nccgaacggt tggcggaagt cttggcccaa atgtggcgaa tgggcagtag cccggcaaca 300
 gaaagcatcc gctactag 318

<210> 4488
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 4488
 tacttccctt tttctccagc ttacctcaag aacccgacaa atcccgactc gaactcggaa 60
 tcttcagcgt cgtcaaccgc agggcccgca gggcgacact cgtcctccac acccggcctc 120
 cccgctgacc caagtctcgc gtccgctacc atgatccac agggcagttt gggagtcgcc 180
 cccgccagcg gagtgaccaa tctccccagt ggattcctcg agcccaacta cgaggtcttt 240
 gattccttga actggctcct ggacggcctc gtgatctcc cgtactccta ctccgcaatg 300
 tcagggatgg agccacaaac tatcgctga 330

<210> 4489
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 4489
 aggtacagag gtgatacaat gtcagccgag agcagaaaaa caacaacaaa gataggcaca 60
 gggacaacga cagcctccta ccaaaccac cgcgccgtt ctccctcct catcgctcc 120
 aaacgactcc ttgtgaagcc cagccccgtg ccccaacta taaccccaaa cgtccatccc 180

gccagcatca	ccatcaagcc	ttcgttatct	tcgatagcta	cacctacgcg	acctacagac	240
cgatcaaaaag	cgataactgt	cgagatggat	ttgtcgcagc	cgccgcagcc	gttccttgat	300
cccggcgat	gggagcggat	gaaggccgca	gggagggacg	cgtcgagggg	tccaagtgcc	360
gagcgggagg	aaggggagga	agagaggagg	cggcggaggg	agcgcgaggg	ggagtttggg	420
cagatggcgg	tgcgagggag	aatgggggga	ttagggaggg	aggagatgat	cggccctcgc	480
aggcccagtt	taaccagccg	aagcagctag				510

<210> 4490
 <211> 354
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222>
 (60), (61), (62), (63), (64), (65), (66), (67), (68), (69), (70), (71), (72), (73), (74), (75),
 (76), (77), (78), (79), (80), (81), (82), (83), (84), (85), (86), (87), (88), (89), (90), (91),
 (92)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4490	
tgcttcacga	ccaccactat tactctctct ccctcccccg ccgcgtgcct cgctcgcccn 60
nnnnnnnnnn	nnnnnnnnnn nnnnnnnnnn nntgaacact gcaaggatta catggccgac 120
tacatctcca	caagggggcgg ctatctggag aaccatccg caaccagcga ctgcaccttc 180
tgcaccatct	ccagcacgga taccttcctc agtgccgtca gcagccacta cagtgcgccc 240
tggcgtaact	ttggcatcat gtgggcttac atcatcttta acatcttcgc tgccgttttc 300
atttactggc	ttgctcgcgt gcccaagggc aagagaacca agggttcgac gtga 354

<210> 4491
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 4491	
ttgttcgatg	ctctccttgt acggactgtc gggtcttttc ttttttcttt cccctttctt 60
ttcttaacct	ttctcactgt ccaaaaatct ccttaccttt tcacctttca cctatctttg 120
tacatcaatt	tcagattcct tgtgattatt cctctcgttt attttgcgc tggttttaat 180
acaagttgtc	tggcgggtatc ttcgtga 207

<210> 4492
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 4492	
ggacatacga	ccttccacgt ctttgtgaag atcgtcctga gtgccctcat ccccaaacgc 60
gtcggcgcaa	ccatcgtctc cgtgtgtggg cggggcgcc ttgcagatga ggtccgcgcc 120
gcggcgcgaa	ataacatcgg gaagggcgcg gtggtcgatt ttgtcgaaga ggcgttcaca 180
tggtag	

<210> 4493
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 4493

caaacacagg	acgtcgccgt	ccccggcggc	cagcgcatct	acgttgaccc	ccgcgggtgcc	60
ctccgcttca	ccaccgctca	ctcgggctcc	atccccctg	gctcctctac	cggtcccttt	120
gtccacagcg	ccggcacgcc	attcggacac	ttcgctaca	agggccaggg	cgccaagggc	180
ttcatcgctt	gccccaaagag	caatggcacc	gccacgcact	ggcaggtgta	tgcctctgtt	240
gcgaacgttg	ccagcgggtgc	ggaatgtctc	ggtttcaatg	ctttggcggt	accttcgaat	300
gacactcggg	ctgcgcgttg	ggagtatatc	ttaa			333

<210> 4494

<211> 207

<212> DNA

<213> A.fumigatus

<400> 4494

cccgcagtac	ttcaaggagc	ctcaaccaag	caaaccaatt	gcaacaaaagt	aaccccttgc	60
aacaataagg	aaacatacct	atcgctctcg	caatccctcc	ccctctccgc	acacaaacct	120
gcaaccgtca	gcaaccgtca	gaatccccag	acaataccta	ccgaaaccca	agcgcaggct	180
tacaccccat	ctgcccacat	ttcgtag				207

<210> 4495

<211> 690

<212> DNA

<213> A.fumigatus

<400> 4495

ccttcggggc	ccgtgggtgaa	gatccccggtt	cttttctcac	tcctcaccct	ggcctctgcc	60
gtcagcatcc	ccatccgcaa	caatggccac	agcaacagct	acagctacca	caccagcaac	120
agcacgaaat	tctccgtcat	gtccgcccgc	tccggctcgc	ccatccactt	gctcccatg	180
aatgcagccc	acggcaactt	ctggctcggc	gagtcacctt	ccaccttctg	ccctgagccc	240
gtcgagaagg	tcagcggctg	ccccccaggg	accaccacc	ggttcgccag	cgcgaaacgcc	300
ttggtacgtc	ctgccctata	ctcgccctggt	ttgaaatgta	ctgacaaaaca	caggacgtcg	360
ccgtccccgg	cggccagcgc	atctacgttg	acccccgcgg	tgccctccgc	ttcaccaccg	420
ctcactcggg	ctccatcccc	cctggctcct	ctaccggctc	ctttgtccac	agcgccggca	480
cgccattcgg	acacttcgcc	tacaagggcc	agggcgccaa	gggcttcac	gcttgcccca	540
agagcaatgg	caccgccacg	cactggcagg	tgtatgcctc	tggtgcgaac	gttgccagcg	600
gtgcggaatg	tctcggtttc	aatgctttgg	cggtagcttc	gaatgacact	cgggctgccg	660
cttgggagta	tatctaaatc	gaggccctga				690

<210> 4496

<211> 486

<212> DNA

<213> A.fumigatus

<400> 4496

cttggggggc	atagattcgc	ttggttacct	caactgctca	cattctgcat	cttggcagga	60
tcagcaatac	cacaatttga	cctccatgca	aagtcgctcg	ggtcgtccga	tgagataaat	120
gcaaagcgct	tgggtttttt	ctcgctctgc	atgtcgtcgg	ctctctcgtg	ggcaccctcc	180
gctgcagact	attatgttta	ttacccatcc	acgatcaggc	catggaaggt	ttggtcagtg	240
actaccattg	gagggtgcgg	agcgatgata	atgagtattc	tcctgggagt	tggcctggga	300
accggtgttg	ccagcaatat	cagggtggcag	gcactctatg	acggaactcc	gggaagcttg	360
ttgatggcgg	gctatgacag	gcttggggcg	tttggcaaga	tttgcgggtt	cattaatgtg	420
ctaaccggtg	tttccaacaa	tggccccgga	acatattcgc	tggcaatgaa	ctttcaaagt	480
ctctga						486

<210> 4497

<211> 474

<212> DNA

<213> A.fumigatus

<400> 4497

gacatttggg	cgagggttcc	gcgtcctatc	ttcaccatcg	caagtaccgt	cacctataca	60
gcatgtgcaa	tccgagggag	ggatttcctc	tatcagatct	tcaagaattt	ccttcctctg	120
atcggatact	ggatcatcat	ctgggttcacc	atcgctgtcg	aggaagatgt	gcttttcaac	180
cggtgtcgag	gatactattg	gagtatatgg	aatgactggc	ggaaactccc	agtgggtgtt	240
gccgccgggg	tttccttcct	aatcggatgg	gcaggggcga	ttgtgggtat	ggtaagtga	300
ggattcctcc	ttttttcaga	ggcgccctga	acagacccat	gtttgctgac	agctcgggcg	360
ccaaacagga	ccaagtctat	tacactgggc	cagttgcgaa	tgcgacaaca	ggaggatgtg	420
atcttgggat	ctggctcggt	ctgggggttca	cgcctatctc	ttttcctgct	ctga	474

<210> 4498

<211> 249

<212> DNA

<213> A.fumigatus

<400> 4498

gtcatgacca	gatacttcat	gggttactac	cccaacaagg	tctgctgttc	gctgaacgtg	60
ttaaccaatc	tccgggtatgg	aatgatcaat	gccatggtag	ggggtcagat	tctgtctaag	120
ctctccggag	gaactgtatc	cgctattgtc	gggtattatca	ttgtcgccct	tggaagtgca	180
atcatggcga	cgtttggcat	gcgcgtattc	catatatatg	agaggtatta	tccttgcgca	240
cagtgtctga						249

<210> 4499

<211> 207

<212> DNA

<213> A.fumigatus

<400> 4499

aggattcctc	cttttttcag	aggcgccctgc	aacagaccca	tgtttgctga	cagctcgggc	60
gccaaacagg	accaagtcta	ttacactggg	ccagttgcga	atgcgacaac	aggaggatgt	120
gatcttggga	tctggctcgg	tctgggggttc	accgccatat	cttttcctgc	tctgagattg	180
ttggagcttc	agatgcttgg	tcgctga				207

<210> 4500

<211> 195

<212> DNA

<213> A.fumigatus

<400> 4500

tctactccat	gccatatact	tgtaccctac	aaactacatt	actacattct	atatagtcta	60
ggtcctatga	tctactctac	aatcttttct	atactctaca	gcctacgtcc	gacagcctac	120
gtcgtgcaat	ctactctatt	atatatgtcc	tactctacgc	cctacttata	taatctacta	180
caatctactt	cctaa					195

<210> 4501

<211> 231

<212> DNA

<213> A.fumigatus

<400> 4501

tatatgctag	tctataagtt	cctcctatct	attagtttta	aatatatata	tactaattat	60
tctatcttta	ttaaacadag	cattactata	ctactctata	tagataatat	tcttatactt	120
ttaaattcta	ataatcttat	taataacttc	cttaagcagc	taggaaaatt	atttaaatat	180
actaataata	gtaaggtttc	tatttaccta	gggattaata	tgctatatta	a	231

<210> 4502
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 4502
 cttatactag taacctatct agatattact ttactatat ctaagcttac ttactttact 60
 aggaatccta gccctaatta ctttattata gtaaagtatg tattctgcta tctagtagag 120
 atactcttac ttttattatt ttatccttct atgcttagta agcttaatag ttttattaat 180
 actaattag 189

<210> 4503
 <211> 825
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (789), (800), (802)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4503
 gcatcattga cccttgcggg aagcgagcga gctagtgcc aagaacag aggcgagcgg 60
 ctcttggaag gagccaatat caacaagtc cttctcgctc taggcagctg tatcaacgcc 120
 ctctgcgacc ctcgaaagcg caatcatgtt ccttaccgga actcaaagct gactcgtctt 180
 ctgaaattct ccctgggchg caactgtagg acgggtgatg ttgtgtgctg tagcccatct 240
 agccaacatt tcgatgagac acaaaacacg ctgcgctacg caaaccgagc gaaaaatata 300
 cagactaagg tcacgcgcaa cgtattcaac gtcaaccgcc atgtgaaaga cttcttagtg 360
 aagatcgatg agcaaattgaa tctgatcaat gagctcaaag ctcaacagaa agaattctgaa 420
 aaactggcct tcgcaaagtt caagaagcag actgaaaaga aggacgcagc tattcgggaa 480
 ggtgtctcac gtattcgcaa cgcataatgat cactcgttgc tagaaaggca agagaagatc 540
 aatactatga tcaaattgaa gcaggtaaac cgccggatcg gcatgttatc ttcattgatt 600
 gcggctttcg acgcgggtgt gcggaactct ggaaacgatg aacctttatc caatctgcaa 660
 gcgattcgga aaacggcgca aggtatcctc ctggaactga agggtagcag gcaacattac 720
 catcagcgac tggccaagaa taactgggac cgagctatga attctgctgt agagaacccc 780
 atccgtgtnt tcatcagacn gngcgaagga tcaagcgtag tgcgt 825

<210> 4504
 <211> 684
 <212> DNA
 <213> A.fumigatus

<400> 4504
 catgctcaaa gaggctttga ccctccggag gacaatccag tccagaagtt ctcgagaagc 60
 gttgtgccaa acggcaaacg cgtaaggac cagacattcg ccttcgaccg catctttgac 120
 caaaacgcca cacagggtga ggtgtatgaa gcgactacac gaacctctct ggacagcgta 180
 cttgacgggt acaatgccac ggttttcgct tacgggtgcca caggatgtgg aaagacgcac 240
 acaatcaccg gcacagcaca acagcccggc atcatcttcc ttaccatgca ggagttattc 300
 gaacgaatcg aggagcggaa aggagagaaa cacaccgaag tatcactctc atacctggaa 360
 atttacaatg aaacaattcg cgatcttctg gtccctggcg gcagcaaagg gggcttgatg 420
 ctccgtgaag attcgaataa gtcggtttct gtctccggcg tatcaagtca ccatccgcaa 480
 aacgtacaac aggtgatgga catgatcatg cggggcaacg aatgccgaac aatgtcgcca 540
 acggaagcta atgccacgct ctctcggtcg catgcagttc ttcagatcaa tatcgcccag 600
 aaggatcgca atgcggatgt caacgaacca catacaatgg cgacattgag catcattgac 660
 ccttgcgggg agcgagcgag ctgag 684

<210> 4505
 <211> 1392
 <212> DNA
 <213> A.fumigatus

<400> 4505
 aggtacaaaa atcagcttct ccatggatgt caagatccgg actgccgcac tccgacctgc 60
 gcgagttata ggcgaagggg atctgaaggg ccatatcgcc gttacactga gctaagtgcc 120
 cggacccttg cttgctactt agctagcctg gacaatccgg agagtgggtc ctgccgtaac 180
 acccagcgcc ttctgctcga gctgtcgtct cactatcatc cgcgttcac gagacgggtca 240
 agccgcggag cattgaccga ccttacggaa gcacgaagtc cgtcatcggg atcaagtcca 300
 aggacacctg gcgatctacc ggcagataga gccctgctca atcaagatac agcatctgca 360
 aagccctctg acaacactag aatagggtcc gattcgtata cggaatcgcg acaacagaat 420
 gtgtccgcgc cagttgacgg tgattccgca acgcaacgaa tgaaagacc gaaatccttt 480
 acgcagaacc tgtttgatac cctctcgctc cggatggctg agtggctccc tctacggcgg 540
 tcaccagacg tgctggattc agatgcagat cgtttgggta atcaatacgt gcggtcgccc 600
 aaacgcgagg gttgcaaca tacagatact actgtgggat ctacatgcgc aaagcggcgt 660
 gcaaaactga aaaataagtc agcgcgggtt gtcctcata ctcttcgtc gcaggatgcg 720
 agtagacgag tccccgagt tgagtcgaaa cccgagcacc aagtgaacg aatatccttg 780
 gttgaaacag accagcatca acaagtcgg cgcacgggtc aagaggggaa gtcgcgggta 840
 gacttgaggc caagccgaaa gctctcttac aattcgcac ttgagactga tgcacgggtc 900
 aacataccgt cgcgcgcggc attgaagcat cgcgcgcaa aacatcgcg cagaaatgaa 960
 catcttgatg ggtcttttac acaggcacag cggagaaga aagagaggcg tgtgtcatgg 1020
 gatagtgcga aatttctgaa tgacaccag aatcaggatg ccgaaaagcc gctggcagct 1080
 agagactccc acttggcatc ggagacgcaa tcttcgaac atgaccagtt aaacttcaa 1140
 agcccttatg aaaagggtga acgaccgctg actgttcaa cgtaaagtca cttaaatagc 1200
 gcaatcatcg acgggctcgc gcgaatgat gtccaatct acgaagaagc tcatagatgg 1260
 agggatgagc tgcgttacat tgaatctaca gggaaacttt agaatccgga atggcagttt 1320
 gcaacatggc gccagcgtcg agtgtatata ttcttgcgc agagtgtatt ctacgcactg 1380
 ggttctacca ac 1392

<210> 4506
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 4506
 ataaatatta tagtacccaa aatcgacgat catccatta agattttcta tggagtactc 60
 aggtaccgtt tgagcaaaag acccatcgta ccgaccttgt ctttttgctt aaactttttt 120
 ctttcccttt tcttcttcac tgttgccagc gtgcaaattc tgattcagct cattgatcaa 180
 agatga 186

<210> 4507
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 4507
 gtcaacgtca gcaaatgggt tgcccgttta cattgcccgt accaacagga caccgatagc 60
 ctctctgtag tgcttgacgg gacaatccag acgctatcta ctcaaatgc accagacaag 120
 ggcccagtcagg gaggactact ctttgtccct acccttaact ctccaggatcc atgcaccgtc 180
 ttcaccacgg ggtggaagga ccaggctctca tgggat 216

<210> 4508
 <211> 261

<212> DNA

<213> A.fumigatus

<400> 4508

aattactgct	acaacagcct	caacccctcg	tctcagccct	gcctgcaata	tatctataac	60
ttaaacaatgt	tccccgcgtg	cttcgcctcc	agagcaacac	ttacttccag	accttccaca	120
cttacaccct	tcccatccac	acttatccag	aaccgcacct	tcgcaatcac	ctcgcctacc	180
atgacccgcc	ttgcagacgc	aatcaaagac	gaccaccgcg	agctcgaaga	agcctacaac	240
aagatcctct	ccgcaaaaac	c				261

<210> 4509

<211> 468

<212> DNA

<213> A.fumigatus

<400> 4509

ccagccgcgc	agggtgcttac	tcatgtccca	ttcacgcacc	tcagtatact	ttacaaagtc	60
agcgagtgtt	gggtatccag	gctaacactg	tgtctcttct	atagtttcga	gtcttttgtt	120
ctgtctcctg	gagaagagaa	agtcgagggt	gagaccgata	ctcgttaagt	tttcaatcaa	180
acttcgcggt	gcaaatacaac	aacaaccgat	ctaatagcacc	taggtattcc	atcttcctcg	240
atcttcactt	tcaacaaaaga	ggaccacacg	ctcggcaacc	tccttcgata	tcgtcttctg	300
cagaattctc	acgtgatctt	cgctgggttac	aaggatagcc	cgcccatgga	agctgtgttt	360
tcctcaattt	tatttgaggt	tttaggagct	ttccttgaga	gctttgggat	gcatggctct	420
gacgaattgt	ctcaggtccc	ccatcctgta	gttcccaagg	tcttcacc		468

<210> 4510

<211> 264

<212> DNA

<213> A.fumigatus

<400> 4510

ccaaggacaa	ccgcctttga	aggacatcag	agaacttaca	agcctgataa	tccgagggtta	60
gtaaggggag	tcctttgtac	aaagctgcca	aggggaggtta	ttagacgggt	gtgggcttcc	120
gtgagcgaac	tgaagatatg	gatggaagag	tgtagcaatg	aagaaggcct	gtctagtcta	180
ggcttaacta	tcaaaatgct	ttatcagatt	caatcattca	ttatctaccg	cgtcttcacc	240
gcggggctgg	aaggggcagc	gcaa				264

<210> 4511

<211> 690

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (121)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4511

ccggagatat	tttgggtttga	aattaattcg	gagctgttctg	gaattgtctc	aacacgccac	60
cttggtttga	ggcggccata	tccaaacaag	tttagccttt	caaaacaaga	atacaagttg	120
ntgggttagt	gttcccttgt	tgagccaagg	caacaggaag	gaagctttgc	aatccatccg	180
gtggtacagg	actggtgttt	ccatattgct	gcttcagagg	aacgaacagt	ccagctatat	240
gaattagcac	tagtctctgt	tggttatata	gtcccacgca	aggatgacag	ggagtatgca	300
cagcttcagc	agcgattact	tccacatgca	gactatgtga	ttcagaggga	gaaatacagt	360
tggcttgagg	acaaagtcgc	tgtgtggaga	gcgctcagta	ggttgggaaa	tctctacact	420
aatcagggca	ggctgcagga	ggcagaggag	atgtatcagc	gagcactagc	aggttatgag	480

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aaggcactgg gccagacca tgcaaaatca tgcaagcttg ctgatgatct agcttctcgc 540
gctagcctca gtgccacaca agagatgcct gattccatgc cctccaaccc cacggcagga 600
cagccacggg ctgtcagtgc tctccaaccc tctttaccag aaagcctaca gaaacggcat 660
gttttctcga ggattttctg cagaagatag 690

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<210> 4512
<211> 195
<212> DNA
<213> A.fumigatus

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<400> 4512
ttcgttgatg ataagaaaat aatgaccaga aggtgtcacg gagctgcatc tcaggcacag 60
aaaaacgagt ttaatggggc gcaggacgtg cccgggcaag tctactgcga agttttcggc 120
tgcttgctaa aggtgttcc tctgatcgtg gaggcctcag ccgcaagcag tggctgtgca 180
ggagacatag catag 195

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<210> 4513
<211> 291
<212> DNA
<213> A.fumigatus

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<400> 4513
gggagcggcg ggcgcagcac gttcttattc caagtggctc tcgcactcct gaaactcaac 60
gagcagcagc tcctgaccac ctgctccacc cggcggaac tctatacata catcaaccac 120
caaatgacca accacgccat cagcatcgac gggctcatcc aggccagcga ggccctccgg 180
aacgtcgtcc gccgcgaaga cgtcgtggct cgacgggcag aggccctgcg agaaatgagg 240
gaactcggcg gatcaacca gtcagctgat gccgaagcca attccgcctg a 291

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<210> 4514
<211> 1500
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (1464), (1484)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 4514
agaccgacat tgagataccc cgttttgcac cctgtcttgc cgcacattgc gtctattatt 60
cctcagtcac tcgcctgcga tctccttgac gtctacttca ctagctcttc ctgctctcac 120
ctatccccc agtcgccgta tgtggttggg tatattttcc gaaagcaatc cttccttcat 180
cccacaaaac cgagagtctg cagcctgggt ctcttgcca gtatgctctg ggttgagct 240
cagacaagcg acgccccttt cctcacatcg cctccatcag cccgcggcag agtctgccag 300
aagctacttg aattgaccat tggtttactc aggcgcgctaa tccacggccc tgcgcccggg 360
gaaacgtcgc ctaactacgc cgcaaacatg gtcacaaacg gtgtcgctct aggtggcttc 420
ggtgtttcga tggatcagtt aggcgctcaa agcagcgcga cgggagctgt agacgacgtc 480
gccacctacg tccatttggc gacggtcatc tctgcaagcg aatacaaagc agccagcatg 540
cgttggttga cagcggcgtg gtctctcgcg cgggagttga aactcggccg cgagttgccg 600
ccaaacaccc ctacgcacg acccgatgct gagcgagacg gggaccaga cgccgatctc 660
tcaaagcgac atcctccacc gtcacacag tccatggggc acggccctgg caacaccatc 720
atcaacatta ccgaagagga acgagaagaa cgccggcgtc tatggtgggt actttatgcg 780
acagaccgtc atttggcgct ttgttacaat cgctctctga ccttgctaga caaggagtgc 840
gaggggtttt gcaaaccgat gaatgatgac ctgtggcagg cgggggactt cgccacttat 900
cgccaggccg gccccccagt cgagtgtaca ggccacagca tgtttgggta cttcctcccg 960
ttgatgacga ttctcgggga gattgtcgac ctgcagcagg ccaggaatca tccccggttt 1020

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ggtcttgcct	ttcgaaacag	tgcagagtgc	gaggctcagg	tcctcgagat	tgcgcgccaa	1080
ctagatgtgt	atgctgcagag	cctcaaggaa	ttcgagacgc	gatacactag	cagtctcgct	1140
ctaggcgcgg	cggagaccga	ggccgctatg	gacgggtctc	acccgaacca	tgtgagtcct	1200
tcaggccggt	cgagcagcac	agtcgaatca	cgcgtaaacg	agtcctatcg	gcacaccaa	1260
atggtggtcg	cttatggaac	acatatcatg	catgttctac	atatcctctt	ggcgggtaaa	1320
tgggatccga	tcaatctgct	tgatgacaac	gatctctgga	tttcttccga	atcatttggt	1380
gcggcaatgg	gccacgcggt	tggcgcgcgc	gaggcggctg	cggaaattct	agagtatgac	1440
ccggacctca	gctgcacccc	gttnttcggt	tcacagccca	gcanggaagg	taccgtagtc	1500

<210> 4515

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4515

aatcaactta	ggctaatacgg	tgttcccttg	atacaggcta	agatcaacga	ccgtggtatt	60
gccgccttgg	cctacaacgt	cctgctccgc	cctggcgta	ccctgggtct	tgggtgcttc	120
ttcgacactc	agaacctgaa	ccaggccgccc	cacaaggctg	gtgccagctt	caccttcgaa	180
gcttag						186

<210> 4516

<211> 747

<212> DNA

<213> A.fumigatus

<400> 4516

cttgaggcca	aatacgtcga	cctgcctact	ggtaaacgcc	ccataacgcg	caaaccacct	60
gatcccagca	ccaggaaaac	cggcgaagcc	agggtccatgt	tctcctttac	atgctggccag	120
gtctcgtcag	catacttcag	attcctattc	atgaccagga	tagtcgctca	ttccgtgatg	180
ctaatactct	gtccccaccc	aggctctacc	ctcaccacagg	cttggaccac	cgccaacgcc	240
ctcgacacca	agctcgagct	tgacaacaac	attgccaaagg	gtctaaaggc	cgagatcctc	300
actcagtacc	tgccctccaa	gcagtccaag	ggtgccaaagc	tcaacctcta	cttcaagcag	360
cccaacctgc	acgctcgtgc	cttcttcgac	ctcctcaacg	gcccttcgcg	caacttcgac	420
gctgtccttg	gccacgaggg	attccttggt	ggtgctgagg	gtggctacga	cgtccagaag	480
gctgccatca	ccaagtactc	tgctgcccgc	ggctacagcg	ttcctcagta	caccgctgcc	540
atcactgctg	gcaacaacct	gacctcttc	tcgcccagct	actaccaccg	cgtcaaccag	600
caggttgagg	ccggtgccaa	ggctacctgg	gactccaagg	ccggcaactc	tggttggtctt	660
gaggttgcc	gcaagtacag	actcgacccc	tcttccttcg	ccaaggcatg	tagaagcgctc	720
ttcttttctg	aatcaactt	aggctaa				747

<210> 4517

<211> 273

<212> DNA

<213> A.fumigatus

<400> 4517

ccccgaagtg	tcctggattc	tggagcgacc	cgcactgaat	gtttggtagg	gtgccttctt	60
cacgacatct	tcccagaaaa	attcttctat	ttgcctcaca	ctatttctca	taggatcggc	120
gactcgagac	acgtcatgac	ctatacgatc	ggggcaggca	acgccttta	catggtgctc	180
tcgcaccggg	atacctcgga	cccggccacg	tgggataagc	agacggccct	gcaggatatg	240
aaggccgaat	tccagggatg	ggaccctgtg	tga			273

<210> 4518

<211> 246

<212> DNA

<213> A.fumigatus

<400> 4518
 gtctccttct gcggtgtctat acgacgtccc cctttgtctca tgtgtcccca cagcctcacc 60
 aagatcattg ggatggtaga gaagacaatc aaatggccct tgatgagcgg ctcggttgctc 120
 acgcgctggg acagggggca agtagtcatt ctgggcgatg cggctcatgc catgctgcca 180
 tatatgtcac agggtaggat ggacgcccc ccatttggat taaaatccca tttacctgtc 240
 ccgtga 246

<210> 4519
 <211> 594
 <212> DNA
 <213> A.fumigatus

<400> 4519
 gaacagacgc caacctaccc cagtaattgc ctccagtttg cgaagacgct ggagggcgcc 60
 ctgcccgatg tccccaaagg caccgggcaac gtgggcttga atatccttct tgcgggagcg 120
 ggtctcggag ggctggccac ggccatcgct ctacacaaag ccggccataa agtcaccatc 180
 tacgagcaga cccccatgct gggggaagtg ggtgcgggga ttcaaattccc atccaactcg 240
 acccgcatcc tgtttaagct cgggctggag ccctatctga agccttatgt caccgagcca 300
 gaatctatct ccttccgtcg atggcagaat ggggcggtga ttgggaagac caggctactt 360
 ccggacttca tcgataactt tcaggcgctt tattacgtga tccatagggc agactttcac 420
 tcggcgcttg gtcggaaagc caatgacatg ggtattgaca tccggctggg ggctagagtc 480
 gtcgattacg atccggttct gggtagcatc accttgaaag acggcacaag ccacagggga 540
 gacctggtcg ttgcggcgga cggtagcccc tccctttgct acccttatct atga 594

<210> 4520
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 4520
 tcatecccca cagcctccgc agatttcccg gcgctcttcaa ttaaggaaga tgatgggata 60
 acctattatt tccttgctc tatcatcaag gacactcagc agttcctccg ccaaagtcgc 120
 cggataaagc tggttctcgt cgttgcatcc taccagtcta caacttcaaa tatatggata 180
 agaccaggac catga 195

<210> 4521
 <211> 1134
 <212> DNA
 <213> A.fumigatus

<400> 4521
 gtgcaatcaa gtgcagacac gtactcgatg gtcaccatgc ttaagcatgt attgctagcc 60
 actgcagcgg ctttcttagt cttgaacgtc gtcgctggag agttatgcaa cagtacagca 120
 cctggttggtg tacatccgac tcctcccggt gtttagcaaat atgactcttt tgcggttcat 180
 gtgcgctcca atgctgagaa gacacaagag tacactgtgc aaccgttctt tgtccaagtc 240
 ggcgaggcca ataccaccag cggagcgagt atcgtgcaca acacttccgt cgcatacttt 300
 gattttctgtg gtcctgtcca ggtatcggtg acttccaaca atggccccat acattccgtt 360
 gtcgtccgtc cgcactccta caacatcggt cccaacgtgc acggagacgt tgtcactttt 420
 tcgcttgact ctccaagaa cgtggtgatc cagggtcaacc atgatatctg ggacgtgctc 480
 acccttctca ccaacccat tgagactgag atgcctaacc cctcggatcc ggggtgtcatc 540
 tactttcacc ctggtatcaa taacagcacg gcgatcacga caaacaatc actcctcata 600
 ccgcctggga caaccgtcta tgtagcttcg ggggccacca tcacgottcc aatagccttc 660
 cacaatatct ctgacgccag catccgcggc cgaggactgc tgcctcaaagc ccctatcaca 720
 atcgagtatg cgtctcgcat tgcagtcgc gacctagtc tcatcaatac aaacatcggt 780
 gtcgcagtct cgtccgatgt gaccgtaagc gggatccggt ccttttccat cgggtgcatgg 840

ggcgacggat	tcgacagcta	ctgcagccgc	aacgtgctgg	tggacagcgt	gttcatgcgc	900
aactcggacg	acaatatcgc	actctaccag	caccggaaca	actggtccgg	agactcgagc	960
aaactcacta	tccagaatgc	cgtactctgg	gcggaatatg	ccaccccatc	aatatcggaa	1020
cacatggtaa	tacacccaac	ccccgagaac	aaggaacggc	gtctttatca	ggaacatcga	1080
cgtgctcgac	catcgcggaag	ccgcagatgt	tggtagcaag	gaatgctggc	ttat	1134

<210> 4522

<211> 699

<212> DNA

<213> A.fumigatus

<400> 4522

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gaaatggtgc	aaagcgacct	ggaggetatc	ttcgcacctg	ctcaaggatt	gcaggtttca	120
gaatacaacg	aagagaacca	gagcgggtct	gtggtccccg	aacgtagaga	catgaagaac	180
gagctatgca	catctgtgtt	cccactcctc	gtgggggttg	attcccaaaa	tgcctacct	240
gctctgcttt	ttaactatgc	acggacgaca	tgcgaaaaga	tcgctatcac	gactctagag	300
attctagtca	aggctgagga	caagtacaag	agtgggtgcat	catggaggca	gaagatggcg	360
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cgcaagggtca	agcctctgtt	actcgaagct	ctgaagagag	gagtaggcgt	ccaccatgcc	660
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<210> 4523

<211> 606

<212> DNA

<213> A.fumigatus

<400> 4523

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ccgtgttcga	ccgtggtctt	ctgtggtgac	agcgtcttct	tgaccgcgct	caatttccgt	180
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catttcccta	taacaaccag	tcttgtgctt	cgactgttca	tcttcttcca	taattctaag	360
gattcgccat	acgcagcacg	ggcaatcaat	tctttgctgt	ctcagccacg	catcaacttc	420
ggaagtgcgc	agtccaagga	caggggtgctc	catcacctcc	gcttttccat	tgaatacctg	480
cgacgccagg	gactcattgg	gagacatgga	gagccaattc	gcttggcttc	tagcattgcg	540
catctgtact	acaccgaaaa	tcgtgcttgt	cttcaccagc	cagcggcaag	gacaacgcta	600
gtgtta						606

<210> 4524

<211> 198

<212> DNA

<213> A.fumigatus

<400> 4524

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cctgctgact	atcgtgcaac	tcacgaggat	agattccctc	aaattctcgc	cacaagcatg	180
gtccacttgc	actgttga					198

<210> 4525

<211> 855

<212> DNA

<213> A.fumigatus

<400> 4525

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caaatacaata	tgaccactgc	cgagccaacc	tcggccaata	agcgaacata	tccttgggtc	180
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cactcggcct	cgttgacctt	caccgacatt	gcctttgacg	aggccgcca	ggaaatccca	360
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<210> 4526

<211> 468

<212> DNA

<213> A.fumigatus

<400> 4526

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cgctcgagct	gggacgcaga	aaagctcaac	ccgtcagag	cgatctcggc	tgctcgctgt	180
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atctcgaagc	cgccccgag	acagtatccg	ttgacggcag	caatgattgg	tttgctgcct	360
cgtcggcgag	ggaggccggc	taaccggggg	gctgtcattt	cgttggtgat	accacgcgcg	420
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<210> 4527

<211> 510

<212> DNA

<213> A.fumigatus

<400> 4527

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attgctgccg	tcaacggata	ctgtctcggg	ggcggtctcg	agatggtagc	caactgcgat	180
atcgtgggtg	ccagcgagaa	cgccaccttt	ggtctccccg	aagtgcacac	aggaatcgcc	240
gccgtcgag	gctcgctccc	tcggctgggtc	cgcgtgctgg	gaaaacagcg	agcagccgag	300
atcgctctga	gcgggttgag	cttttctgcg	tcccagctcg	agcgggtggg	gctgggtgaac	360
cgcgtgggtg	agcatgacca	gttattggcg	acagcgggtg	agattgcaac	cgctatctct	420
aggaatagtc	cggacagtgt	gcgtgtgacg	atggaagggc	tgcattacgg	tcggaatggc	480
catcttaacg	acgccgctgg	aagatattag				510

<210> 4528

<211> 696

<212> DNA

<213> A.fumigatus

<400> 4528

atccagtctc	agactgtata	ctgtatctcc	gacctacaga	caacaacaat	gtcaacagaa	60
gcacattcaa	cagtacaagg	atgcctcgtc	tcgtttccaa	cacctcacat	tctcgtcctc	120
acactcaacc	gcccagagaa	aaggaattgc	atatccctcg	ccacgagcgc	cgagatacag	180
cgctatgga	catggttcga	cacacaacct	gctctatatg	tggccattat	taccggcacg	240
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aaaacagcga	gcagccgaga	tcgtctcgag	cgggttgagc	ttttctgcgt	cccagctcga	660
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<210> 4529

<211> 405

<212> DNA

<213> A.fumigatus

<400> 4529

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atcgcttcca	atctccaact	tctcgaatcg	acgtgcaaaa	ccatcggtac	tcgcctgctg	120
atccagggtg	ctctcggtcg	gttttacaat	gggaactcga	gtgattcgaa	ctggacttcg	180
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gatattgccg	agatcgctct	tcctacact	caccgcgacg	gcaactgctg	catgctcgga	360
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<210> 4530

<211> 543

<212> DNA

<213> A.fumigatus

<400> 4530

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gtctccatcg	gcacaatcta	cggatacacg	agcatatcgg	catcgtcggc	atcgctcgtca	180
acctcaacag	ccacggggac	cgggacgata	gctacaacga	cggtcaccac	aacagctgca	240
gccggtaacg	gtacggaagt	ctgctcggat	tcgagctcga	aggcgaccgc	ggtcggggcg	300
gggattggag	caggtctggg	tacctgctta	gttgcgacac	tatttgcgct	ctggttccag	360
cgacggatgt	atcagaagaa	gctgcagcag	actagcggat	acgctggata	cagtctgcc	420
agcatggcat	atgcccaatc	tgggtattcg	aaccgcgcga	gtggtgttcg	gcggaatgtc	480
tccgagctgc	agtcgaatca	agaagtcatc	catgaggcag	atggacaaga	gacacgaaaa	540
tga						543

<210> 4531

<211> 1230

<212> DNA

<213> A.fumigatus

<400> 4531

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tatgatccca	ggcttccggg	aactggaatg	ttcgacctga	agacccgagc	ggtcgtgtcc	180
atccgtatgg	acgtacgcaa	ctttgagcat	ggcctcgggt	acgagattcg	ccatcgcttc	240
ggcggctacg	agtcttatga	gcgcgaattc	ttcgacatga	ttcgggctgc	gttcttgaag	300

tactctctac	aagtacgaat	tggccgtatg	gatggcatct	tcgtcgcctt	ccataatggt	360
gagcgtatct	ttggatttca	gtacgtcagt	ttgtcggaaa	tggatcagac	tttgcacggg	420
cagtccgaca	cttcaactggg	cgataccgag	tttcaactca	gcctagcatt	atggaacaag	480
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cgagatgcgc	agacgccgtt	catgtatatc	ttcgcggagc	cagtcaccga	tgacgagatc	600
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gaaattcgcg	gagagggcga	gaccggcgctc	gcggccaatg	tatatatccg	taaactgcgg	1140
gagattgcca	agcagggctg	cgaatttcgc	caaaaggagg	acgaactcga	caagaagcaa	1200
ggtatcgtcg	ttctggatgg	tgcggtctga				1230

<210> 4532

<211> 435

<212> DNA

<213> A.fumigatus

<400> 4532

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gggtcatcac	cgaactcgga	atcctcaatt	tcaccctcgc	tcaggtcgtc	atcgtcatct	120
tcgccagcgg	ccgtgtcgcc	gttagcttgc	gctccggact	tagagagggtc	caaacgagcg	180
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gcaaccagcc	agaactccgc	cgcacgcgagc	gcgagttcgg	ggtcctccgc	gttggttctgc	420
tgcattgatga	tatag					435

<210> 4533

<211> 2103

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1367)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4533

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aagatccgtg	tcgcatacaa	tacaatttct	cagcccagtt	tagcatacat	ccgatccgcg	240
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acggaactgt	tgcaacaggc	ggggctgttg	gcgtggcccg	aggtgctgca	tgaactcctc	360
agtctggttg	agaacgcttc	gggggacgtc	caggctcctg	ctcaggaagc	cgccatgtcg	420
gccctcgcga	aagtttgcga	agacaaccgc	aaggctcctg	atcgggatta	cgaggggcaa	480
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gttcggtcta	tggcggttag	caccatccac	gtcttcctcc	ccagcagacc	gcaggcggtg	600
atcgctcgt	tggatctgtt	cctttcgcag	ttgttccagc	tcgccagcga	caccgacacc	660
gatgtgcgac	gtatgggtgtg	tcagactttc	gcgcagttag	tagactttgc	ccctgaaaag	720
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atacaagcca	tcgatcccc	gaagagcggc	gaactggtag	ccacctcgca	accccgcttc	2040
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ctt						2103

<210> 4534

<211> 231

<212> DNA

<213> A.fumigatus

<400> 4534

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gtgcagcgcc	atcggaacag	tgaatatct	ttcaaaaatg	tcgtgacgtt	caacatggta	180
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<210> 4535

<211> 192

<212> DNA

<213> A.fumigatus

<400> 4535

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ggcaacgccc	cagatctggc	tgctgaatgt	gcttcctact	tcttcacgcc	gggacgaagc	180
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<210> 4536

<211> 786

<212> DNA

<213> A.fumigatus

<400> 4536

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aacatcattg	atggccagcc	gcattgtcgg	tgccctggta	gtgacccctg	ggtgacctgc	180
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gtgacgggact gcaatgggga gcggtggacg ggaggccgct tcattccgga catcacaggc 420
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gtctatcggg atatcacctt tggccataat gattccgggtg atatgcctgc ctgtgcgtac 660
tttctgcggg gggaggggta tgatactgtg agtgggcttg ggagtgtcga tgggcgtagg 720
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aattag 786

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<210> 4537

<211> 270

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(6), (30), (31), (37), (62), (69), (77), (88), (96), (97), (101), (114), (126), (129), (130), (131), (151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4537

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aaaacnngggc aaccaagaca tgccaaacan ntaatanaac cccaacgac aattcaacca 60
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cgtcnagnnn nttgcggtat ttttgcaaga natataaagc caaaaaaggg agactatgtc 180
tatcccttct ccctcatgca cacttcagcc attctctctc gcataatttt caccaccagc 240
tcctatcttc aaaccatggc ccgcggctga 270

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<210> 4538

<211> 627

<212> DNA

<213> A.fumigatus

<400> 4538

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caattcaaga acgttgtgcg ccagggatac gagatcacgg atgtggggccg ctacacctcc 600
ggcgctgctg tcaagaagcc tcagtag 627

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<210> 4539

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4539

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gatccacac	gcaaattggtt	gtgtccttgg	agcaggatac	gatataccga	tcatcaaagc	180
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tga						243

<210> 4540
 <211> 987
 <212> DNA
 <213> A.fumigatus

<400> 4540						
cttggccttt	atagagacaa	aatcatcact	ggttctcgtg	atcgaactat	ccgagtgtgg	60
gatgctcatt	acccgtggcc	gtgccgtaag	atcattggtc	ctccccggg	cgagatttgc	120
agcattgggc	aggtcaacaa	cccgaactcag	cagtcgtcgg	gcaagcctcc	ttttctcacc	180
atctgtcctc	ctcctaccct	cgcggcaggg	attgtgactc	ccattgacca	gagctccgac	240
taccacagtg	cttccatcct	ttgccttcag	tttgacgaag	agatcatggt	cactgggtcg	300
tctgactaca	cctgtattgt	ctgggacatc	aagaacgatt	accgaccaat	ccgtcgtctg	360
gagggccata	gagctggcgt	gctagacgtg	tgctttgatg	atcgggtatat	cgtatcctgc	420
tccaaggaca	caaccatttg	cgtgtgggat	cggcagacag	gcgcgctggt	aaagaagctt	480
ctcggccatc	gtggaccctg	gaacgctgtt	cagctccggg	gcgatcttgt	tgtgtcggca	540
agcggggacg	gagtagccaa	actctggaac	atcacctcgg	gtctttgtgt	caggggaattc	600
tccagtaagg	accgtggact	agcctgtgtg	gagttcagtg	atgacgcgcg	caccattctc	660
accggtggaa	atgaccagtc	gatctaccag	ttcgacgcaa	acactgcgga	gatggtccgt	720
gagctcaaag	gacatgccgg	tcttgtgcgg	tactccatc	tggaacagcat	gaaccagcgg	780
attgtcagcg	gcagctatga	catgagcgtc	aaggtcttcg	acgccagac	cggcgagctc	840
tctattgact	tgcttggtcg	gaccaccagc	tggatgttga	gtgtgaagtc	ggactatcga	900
cgcacgttgc	ccaccagcca	ggattcccga	gctgtcatta	tggatttcgg	ctatggcctg	960
gatggcatcg	agttgttgga	agagtga				987

<210> 4541
 <211> 195
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (132)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4541						
gccaccacta	ctctctttag	actcttcagg	cattcctcaa	taaagttaga	acactgtcct	60
attctagagc	ttagaaacta	tgatttcttc	ataactgctc	ctaggctaag	tgctgatgaa	120
gaaggttgcc	angttaaggc	attcccgaat	tatgatatta	aggtaatat	aatgtatagc	180
aagccgctaa	gttaa					195

<210> 4542
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 4542						
gaggtcaaaa	gaaagaccca	actgtggcca	ccaacttcgt	gtgcgcaaca	atcggatcca	60
acctcatctg	atagttcaac	ctcaggcacc	accgcaccaa	gcgcctcgac	tgtctctatg	120
agttgcatag	ccaataccaa	acatcaacgc	cataaccaa	ctcgacacca	gtcaagcccc	180
agaactgtct	cacaacaaga	tcttccccta	atcactggcg	tgctatctcc	atcacctca	240
tcaactcctt	ctaccaagaa	aagtgggatt	tttgccgatt	ctcaaacgat	caaaggcagc	300
aaagctgaca	aacgagcatc	ccataatgtc	attgagaaga	ggtaccgcac	caacatgaat	360

gccaagttta	ccactctaga	aaacgtcatc	actacttgtc	ggaacaagca	aaaggcctca	420
actattaggg	cgtgctcgat	gaagaagtgt	gaaatcctca	ctagtgcatt	caagtgtatt	480
caagatctgg	aggagcggaa	tcgcccgtct	gagtga			516

<210> 4543

<211> 1332

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1307), (1308), (1316), (1317), (1323), (1324), (1326), (1328), (1329)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4543

gccaagggga	agccttctcc	ttcccagcta	ctcccttcat	cgacgagtgc	tacccatagg	60
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ttggaaagtg	caagtctcga	ggccgcgctt	cttgccgcat	gggcactcac	tatatccggc	180
tacactcgat	cggacgatgt	catctttgga	gaattgcttc	ttgagcagga	ttcgtcaggg	240
ctggattcta	cttccgataa	agcggcgcca	gtggtcgttc	ctagaagatt	acaaatcgct	300
gaagatatga	gcattgctga	acttatgaga	aagacccaag	agcgcctagt	agcggcttct	360
cccttccaaa	gagctggact	tcaacgcatt	agaaacgtca	gcgcggatac	ttcgcgtgcg	420
tgcagcttta	ataacctttt	ctgctttaca	agatttgact	gcaaggtgca	gactcttgct	480
ctcgcataat	ctctcgggat	cttttgtata	gtcgcgaact	cggagctcca	ggtgagcgct	540
tgctacgacg	aacagatttt	gtctgctccc	cagggttgagc	ggatttttagt	acaattcgca	600
cgctacgttg	aatacttgaa	ggcggatctc	cgctctcaag	agacgatcgg	tgacatggct	660
ctccgcaaga	atcagacttc	ttacttgtct	agccctgaga	ctgtctactg	gaggaagtac	720
cttgctgatg	tcgagtcctg	tgtattccct	tctttgaacc	cagacggtga	aagaagtggg	780
ttcagctcgg	caaaactggc	gattgaaaat	ctggctgatt	tacgccgcct	ttgccagaag	840
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accggttcag	aagaagtctg	ctatggttac	taccaggcat	caccacaacc	cgaggggtcg	960
aagtacctga	aagtactccc	aagcaggttt	cttcttaagg	acgactcaga	ccttgagtca	1020
attgcacagc	agagaaagag	tgagctggat	gaagccatgg	agcaccctat	ctcccagata	1080
gaactgcagc	ttgaacttgg	ccttgactgg	tattcgctct	tgaacactgt	ctttaaattc	1140
gacagatttg	cggagctccc	caatgacaat	aacagtacat	tagacctgct	caacgacacc	1200
gagaaagggg	tctggactat	tgttgtaaac	cctagatttt	cattttgtatc	ggcagatata	1260
ctctgtcttc	accacggggc	tggaaggatc	cgagcttgcg	ttcaagnnat	tcaggnnttc	1320
aannncnnc	cc					1332

<210> 4544

<211> 393

<212> DNA

<213> A.fumigatus

<400> 4544

tatatatata	cccctcacaa	ccgcaagatg	acatgcaacg	tagacaagta	caacgaagta	60
gaccccaatc	ggaacgatat	ggccgtcaca	cagctcgcac	ctccctctct	cctcttcccc	120
gacggcctca	agacaacagg	ccaacacccc	cctctctacg	aacacctcca	gcccttcgag	180
cgcttcccca	aggaaatcac	aggccccacg	gtctggaccg	cagacgagta	ccgcgctcac	240
cccagaaaat	ggacgcacgc	gtttaccccg	gaggagttgg	acgagctgag	tcgcgcaggg	300
gatgagttta	tcaatagcaa	gattcctctg	accgggattt	caaaagtacc	ctccctccct	360
ccccagcac	ccttccactg	tccgacgcga	tga			393

<210> 4545

<211> 303

<212> DNA

<213> A.fumigatus

<400> 4545

aaaaacttcc	ccctcccaac	cctaagcgcc	tacctgctcg	ccctgcggga	tgaactactc	60
aacggccgag	gcttcattct	cttcaagggc	ctccccgtcc	agacatgggg	aaaccacaaa	120
tccgccgtcg	tgtacatggg	tctcggggac	tacctgggct	acttcgtcag	ccagaacagc	180
cgcgggccacg	tcctcggcca	cgtaaggac	ctaggcgagg	atccctcgca	gatcgacaag	240
gtgcgcattct	atcgactaa	cgcgaggtag	cttccccgac	cccggcatgc	cccgaagtcc	300
tag						303

<210> 4546

<211> 537

<212> DNA

<213> A.fumigatus

<400> 4546

tataatcata	actatcaatc	aaaacatctc	tctacaccaa	tcccagtgcc	aaccaagtgt	60
cgaacaaca	acaggaaaac	ccctccta	ccggtaactg	gatccgagaa	ctccaaccac	120
atcacaagca	ctgctcccaa	ctcctctaca	gaatacccaa	cctcaaggaa	aagacgcaga	180
gaaaacagaa	tgcacctcca	catcgccatc	ttcgacctcg	acgtccccgt	tccaaccgtc	240
tacaccacac	gaggcctcta	cagctcgcaa	ttcaccctgc	tcctcgctgc	cgccgcagca	300
cgtctctccc	agtcgcaatc	cttggccccg	ggtaaagaaa	taacaatacg	aacctcgtcc	360
tacgatgtca	tcgggggggat	cttcccccca	gcgcatctcc	tccagcgctc	tccaccaggc	420
gcgggaggaa	aggaacgcac	agacggcatc	ctccttaccg	gatcctccgc	ctcagtatac	480
cgcgcgagact	cgcatccgtg	gatgctctta	accagcgaac	gcgaaggagg	agcgcaa	537

<210> 4547

<211> 273

<212> DNA

<213> A.fumigatus

<400> 4547

aaaaatgcta	agctttcatt	tataactgac	tttgtctact	cagagggaca	tgcgatcaag	60
aaccatcttg	cctcgacgtc	aatcgccgtc	cgtgctctca	ctggccatca	caaattggatc	120
ttgagtggaa	cgcccgtgcc	taagcaagta	ctcctgcttc	ttatatcgag	ataccagagt	180
gctaatagga	cgactacagc	ttcatcactg	agttctatcc	gcacttcgat	ttcctggagt	240
atccagacac	gaatgattac	agtcagttcg	tga			273

<210> 4548

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4548

tcaccagatg	agtttgacca	tctgggaagc	gtgccgcagg	ataacttaca	tgacactgaa	60
cttctgcaga	ctttgaataa	tgtcgatgct	acgcattctg	ctctgagcac	agtatataag	120
gacgtcacca	acagcgtcct	tctcacaatg	cttgacgact	tggaactccc	tgttcataatc	180
atcagaatac	attttatgaa	acaaaacagc	accgacaggt	cataccagtg	cccagacaagg	240
tga						243

<210> 4549

<211> 678

<212> DNA

<213> A.fumigatus

<400> 4549

caatggtgtc	tttcttcatg	gggcggccca	tatgtggaat	tatgtatgtc	tcctagtcag	60
ttctccaaga	gcaaagagac	ggctgaccct	gccagacca	aggcaactcg	tcattgaaag	120
cgcgcatcga	tgggtctctc	gatgcgcaga	ggaccttctc	ctcgccgaac	aagtcacccg	180
agaacgtact	ttatgaatac	gcctgtgaaa	ccatcaacac	gtgtcgaaac	cgaccagtac	240
tccttcaaag	cgtatctggc	gcgctggatg	ggagatgttg	cgcaattggc	tccttggacc	300
cgcgacacaa	ttgcgactcg	actgcgggct	tcggccacgg	cagcagcagc	gcaatgtgtc	360
ggcggcaaga	cggggacgta	ttgtggtgga	atgcgatgga	cgacgggcga	gtacgacggc	420
acgacggggg	tgggacagca	actgtcggcg	ctggaggtgg	ttcaggcgaa	tttgtacaac	480
acggtcgcgg	ggccactgac	gactagcact	gggggaacga	gcaagaggaa	cagtgcgggtg	540
gagaggggat	cctcggaag	aattgcgggtg	tccgacgatt	cgagtatcgt	caccatggct	600
gatcgcgtag	tcgcgtgggt	cgcaacgggg	ggattagggg	tgctgctggg	gggatatctt	660
tatctttag	tgacatga					678

<210> 4550

<211> 864

<212> DNA

<213> A.fumigatus

<400> 4550

tggcccgagc	acaatatcaa	agaggtagcc	agtcaactag	cctgggacct	cgtcagcttc	60
tacactggca	acaacaccgg	tgacgtcccg	gggaaccttc	ccgcccccta	ctactggtgg	120
gaagcgggcg	cttttttcgg	caccttggtc	aactactggc	gatataccgg	cgacgatacc	180
tacaataata	tcaccatgca	ggctatcttg	caccaggccg	gaacagggtga	ctttatgcct	240
tccaaccaga	cccgccaccga	gggcaacgat	gaccaggcct	tctgggcctt	taccgcactc	300
atggcggccg	aacataatth	ccccaaacca	cccgaggact	cgccgtcgtg	gctggccatg	360
gcgcgagcgg	tcttcaatga	gcagatcgcg	cgctgggacg	atcaggcctg	tgggtggtgga	420
ctgaaatggc	agatcttccc	cttcaacaac	ggctacacgt	atcgcaactc	catctccaac	480
ggagggtctc	tcaatatcgc	tgcccggctc	gcgcggtata	caggggacgc	cacgtatgcc	540
gaatgggcca	acaaggtctg	ggactgggtc	acagagactg	gactgatcgg	tccggaatat	600
tacgtcttcg	acgggacgta	tgagagcgac	aactgctccg	cgctcaatcg	agtcgaatgg	660
acgtataaca	atggtgtctt	tcttcatggg	gcggcccata	tgtggaatta	tgtatgtctc	720
ctagtacgtt	ctccaagagc	aaagagacgg	ctgaccctgc	cagaccgaag	gcaactcgtc	780
atggaaagcg	cgcatcgatg	gtctcctcga	tgcgagagg	accttctctc	cgccgaacaa	840
gtcatccgag	aacgtactth	atga				864

<210> 4551

<211> 396

<212> DNA

<213> A.fumigatus

<400> 4551

ttatgcagcg	gtttttctct	ctccaatatt	ggaaattact	ttgtgagtac	atacacacct	60
gtgttctgtg	cattttataa	tttgatctg	ctgttaggct	ctggagatca	gaaattcccc	120
cctgatgtct	cacctgatga	cctggagaaa	ctggcgaacg	gtgatcctac	tacagctgaa	180
ttatctgtta	aatttcggga	tgcattgttt	cgaacattgc	cccaaatcc	ggggtgttcc	240
caagttaaca	cctcccaaaa	cacgttttta	tccttggaaa	aagggacccc	tgaacaattt	300
ggaaacaagt	tctccgcccg	tgtccaaatt	tgggggaaat	tgccagattt	tatttccctt	360
gaacattact	acaaatggaa	ggaaaaaac	tttccc			396

<210> 4552

<211> 234

<212> DNA

<213> A.fumigatus

<400> 4552

atggaagagc	gcggttcgtc	cttttcattg	aaaagggact	gtgtactgaa	ccgaatcaag	60
------------	------------	------------	------------	------------	------------	----

ggagagcacc	ttatTTTgga	cttctatact	ccatatacct	actgtaaagc	agccgcattg	120
atttcatgga	tgatcgatac	gagtttagta	acttttagtcc	catgtagcga	caaggataaa	180
tccaccacag	ctagtggat	tgcttcaaag	gccgccgtgg	cggggagttt	gtag	234

<210> 4553

<211> 192

<212> DNA

<213> A.fumigatus

<400> 4553

gatacctgca	gggtgaacgt	tgccaggcaag	cttgatatag	tctgtttcga	taagactggg	60
actctcacag	aggacggcct	ggatgtgctc	ggtgtgcgaa	ctgtgactca	ggatttgagg	120
tctgcacctc	ttgatgtatc	ttatagatgt	gtgctcacta	agacaatata	gattcaccga	180
tctaaaacct	ga					192

<210> 4554

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4554

gtaccaatag	aactcggagt	tctcaggaat	tttgagttcg	tgccgggaact	gcgccgtgcg	60
agtgtcgtcg	taagacagtt	tgagatggc	ggagcaacct	ttttcgtcaa	aggcgcacca	120
gaaagtctga	agaccatttg	ccttcctgac	agttgtcagt	caaccaccat	gaccaccgta	180
ttgagtgttt	atatcgagcc	caatgagctg	acaatgttgg	acagtaccac	acgatttcga	240
tga						243

<210> 4555

<211> 426

<212> DNA

<213> A.fumigatus

<400> 4555

ggagagtctg	ttcctgtatc	aaaaatcccc	ttaacagacg	acgcgttaaa	gtaccttaac	60
ctcagtactc	catctgtcca	tccgaatggt	gccaagcact	tccttttttag	tggaacaaag	120
gtcattcgtg	cacggcggcc	acatagcgtc	gatgatggtg	aagccattgc	gtagcagtg	180
gttgtagagaa	ctggcctttc	aacaacaaaa	ggcgcccttag	tcggttcaat	gcttttcccc	240
aaaccctcag	gattcaagtt	ctacaaagat	tcatttcgtt	acatcacagt	gatgggtgtg	300
atagctgctt	ttgggtttat	agcatcattt	gtcaattttg	tcgccttagg	tgtaagtctg	360
gcacaaggaa	tgatacaagg	gttaagctta	cattgcacag	ctttcttggc	atttaatcat	420
tgtag						426

<210> 4556

<211> 405

<212> DNA

<213> A.fumigatus

<400> 4556

ggtctgcacc	tcttgatgta	tcttatagat	gtgtgctcac	taagacaata	cagattcacc	60
gatctaaaac	ctgatttggc	ttctctggcc	tcacatctt	catcttgcat	cggagcctct	120
gtcggctctc	aacaacataa	gaatattgtc	cacgctatgg	caacatgcc	ctctctcaga	180
gtagtggatg	gggagcta	gggagatcct	ctcgatgtga	agatgttcca	attcactggc	240
tggtcctatg	aggagaacgg	aagcgaatct	atagaacccc	atggctctaa	gtacgaaaca	300
atcatgccac	caattgcgag	gccaccta	cagatatccg	atttgagtgg	tcaaataagg	360
accagtcaaa	ctgtaagttt	tcctcctccg	gaaaaatcca	catag		405

<210> 4557
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 4557
 caatgttggg cagtaccaca cgatttcgat gattttattga gcttctacac gcacaagggc 60
 tatcgtgtca ttgcgtgtgc tgggagatac gaaccaaacc tcagctggat gagagctcag 120
 aaattgactc gagaactcgt tgaacgcgac ctccaattca tcggattcat tatatttgaa 180
 aacaaattga agtccagcac tactgggaca atagcagagc tcagtaatgc aggcatccga 240
 aatgtcatgt gcacgggcga taatata 267

<210> 4558
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 4558
 gcttacattg cacagctttc ttggcattta atcattgtta gggcacttga tctaatacag 60
 atcgttgtgc cgccagcatt accagctact ctgacaattg gcaccaatct agctctttca 120
 cgacttaagg gtcacaagat attttgtatc agcccgcaaa ggtttgagct gctctccatc 180
 tgctgtcata tttattcact aagatacctg cagggtgaac gttgcaggca agcttga 237

<210> 4559
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 4559
 ctgacaactg tcaggaaggc aaatgggtctt cagactttct ggtggcgctt tgacgaaaaa 60
 ggttgctccg ccattctcaa actgtcttac gacgacactc gcacggcgca gttccgacac 120
 gaactcaaaa ttcttgagaa ctccgagttc tattggtacc taaagagtgt gtcgtttgaa 180
 ttagtgatgt gctgcgcgcc ctatgtggat ttttccggag gaggaaaact tacagtttga 240

<210> 4560
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 4560
 atactatatg tcttctcat ccattggtgat gccacccttc tccagggcga cgggaatggc 60
 cttccaaggg ccgataccca tgagcagggg cttgacaccg acaacgctgg cggcaacata 120
 cttgccgatg atcttctggc cgaggcgctc agcggtgga cgttcatca gcagcacggc 180
 ggcagcaccg tcggagatct gagaggcgtt accggcgctg atggaaccat ccttggcgaa 240
 agcgggacga atcttgccga gggactcggg ggtgatgccg tcacggatgc catcgctcggc 300
 cttgacggta atggtcttct cctcaccggg cttgggatca gtccacttga cctggagagg 360
 aacaatctcc tcgttgaaga gaccggcctt ctgagccttg acggccttct ggtatga 417

<210> 4561
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 4561
 agacaaagcg gcaaaaaggc ccgaatgctg ataaacgttc gtcccggtag acctggcgcc 60
 gttaccgagt tctctgagct ccttgagagc catcccgagt ccgccaactg caagggtccg 120

atgggtgtct	tgtcagaaca	gatggctaag	gaccgtaaca	tttctcgcgc	cgtccaagat	180
gctttcgtctg	cctcttcata	ccagaaggcc	gtcaaggctc	agaaggccgg	tctcttcaac	240
gaggagattg	ttcctctcca	ggtcaagtgg	actgatccca	agaccggtga	ggagaagacc	300
attaccgtca	aggccgacga	tggcatccgt	gacggcatca	cccccgagtc	cctcggcaag	360
attcgtcccg	ctttcgccaa	ggatggttcc	atccacgccc	gtaacgcctc	tcagatctcc	420
gacggtgctg	cgcgcgtgct	gctgatgaag	cgttccaccg	ctgagcgctc	cggccagaag	480
atcatcggca	agtatgttgc	cgccagcggt	gtcgggtgtca	agccccctgt	catgggtatc	540
ggcccttgga	aggccattcc	cgtcgccctg	gagaagggtg	gcatcaccat	ggatgaggaa	600
gacatatag						609

<210> 4562

<211> 855

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (697)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4562

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tgctccggac	tcgcgtttct	gccaacagac	agtattgtta	gaaggatatt	caacaacaaa	180
caacctagct	ggttgcctgt	cttgccgcaa	gtgcataagt	catggagcgc	agagctccag	240
acgcttgagg	gccattcctc	ttgggtttcg	tcagtggcct	tctcaccgga	cggccagagg	300
atcgtgtcag	gttctgacga	taatacagtc	aagctctggg	atgcccagac	cggctcagag	360
ctgcaatccc	tccaggggca	ttcggattcg	gtccactcag	tggcctttct	accggacggc	420
cagaggatcg	tgtcagggtc	tgaccataat	acgatcaaac	tctgggatgc	ccagaccggc	480
tcagagctgc	gatccctcga	gggccattcg	gattgggtcc	actcagtggc	cttctcaccg	540
gacggccaga	ggatcgtgat	atacggtagc	aagatcagac	tctgggatgc	ccagaccggc	600
tcagagctgc	aatccctcca	gagccattcg	gattatgtta	catacgcctt	tttgggaaat	660
ttccgtgtag	agcacaaaac	aggtctctcat	atatcanttg	agagttcttg	ggtatgcttc	720
cgagggtgaaa	gagtaatatg	gcttccccct	gaacttcgtg	aacctagttg	tcgtgctatc	780
aacctatgata	tactggcccc	tgggtatttg	aatggtctcg	tccttattat	aagatttcgt	840
gcacattccg	actga					855

<210> 4563

<211> 318

<212> DNA

<213> A.fumigatus

<400> 4563

ccatctgtgc	ttatgattgt	cctaactaat	cggaacata	gtctgaaaat	gagtttcgtc	60
aacgtcggca	cacagtctgg	cgactccaca	aacaacacgc	ctgtgatcaa	tcacggttct	120
gccccgggtc	tcgcttccgt	cttctccgag	ccgttccaag	tcttctccgc	taagaagttc	180
cccggcgctc	tcgagagcac	gcagctaagc	aagtgttttg	cccttcaagg	catcaagata	240
cctattcgta	aagacggtgt	caagggtcct	cgggggcgtg	gtggtgacgg	tgatgatgac	300
gctgatgatt	atgaatag					318

<210> 4564

<211> 276

<212> DNA

<213> A.fumigatus

<400> 4564

acaatttata	cgggggaaat	gctcagtggg	cctacaatat	ggaccaatcc	acaggettcc	60
tactatccgc	cctattacgc	tggaggtcag	atgcccccg	ctggcatgtc	gcctgcgcaa	120
cagccagttc	cggcgggggc	cgggtggcatg	ttcacacgca	atcttatcgg	aagtctcagc	180
gccagcgctt	ttagactcac	tgatcccgat	aacaagattg	gagtatgggt	cattttgcaa	240
gacttgagtg	tgcgaaaccg	gggaactttc	cgggtga			276

<210> 4565

<211> 219

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (22)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4565

tcgccggcaa	ggtcccccttc	cntactacaa	tatgtgggtcc	aatcagcacc	tgctttcctt	60
agggatattga	atccgggggtg	tttctatgtc	ttctgcggat	atatataccc	tcagagtggag	120
acaaccaagt	acaaagttac	acgcgatcac	cagcgtgagc	tccaggccta	cggcgagtat	180
accagcaata	aagcgaaact	tcaatctatg	gattcttag			219

<210> 4566

<211> 291

<212> DNA

<213> A.fumigatus

<400> 4566

tcctgtcttt	ccacttcgta	catctactgt	tccgtgctat	cccgtgtctt	acgcattctt	60
ctgacattgc	gtttctctag	tgaatatgag	gtcgccttgg	tagaggaaca	cgagctcaca	120
gctgggcccc	tgtctcttct	ccaaaccgct	actcgcaccc	acactcaggt	tttgatctca	180
tgccggaaca	accgtaagct	acttgctcga	gtcaaggcgt	ttgaccgcca	ctgcaatatg	240
gtgctcgaga	acgtgaaaga	gatgtggacg	gagaagccga	agggcgggata	g	291

<210> 4567

<211> 1122

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (114), (798), (995), (996)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4567

ggcattcccc	cgggcaccga	ggccgacacc	accgggttct	tcctgctgct	gaacgagctc	60
aagcaggaga	tgcccgcggg	caagacggtc	tccgtcaccg	cacccgcctc	gttntgggtac	120
ctccagtact	tcccgatcga	agcgtgagt	ctcgtcgtcg	actacgtggg	ctacatgacg	180
tacgatctcc	acgggcagtg	ggactacatc	aacaagtacg	caactccagg	ctgtccgtcc	240
tacgaccagg	ggttgggcaa	ctgtctgcgg	tcccacgtca	atctcactga	gaccatcaac	300
tcactgtcca	tgatcaccaa	ggcgggcgtg	ccgtccaaca	tgattgtcgt	cggagtcagc	360
agctacggcc	gctcgttcaa	gatgagcacc	ccgggggtgct	ggaccgagca	atgcacctac	420
acagggcccc	actcaggggc	ataccggggc	cgctgcacca	acacctctgg	ctacatcgcc	480
gactacgaga	tccgtgagat	tatccgccag	aatcccaccg	tccaggagct	ctgggatgca	540
agctcgtact	ccaacattgt	cgtcttcaat	gacacggagt	gggtcgcata	catggacgag	600
gacaacaagg	caacgcgcaa	agccctgtac	ccggggctcg	ccttcctggg	aactgcagac	660

tgggctgtcg	acttgcagtc	cgagactggc	gggtggaagt	gctcaaacc	taattcatca	720
tccggcggga	ccatctatgt	caatcctgat	atctggaact	ccgcggcgcc	tgtggtgact	780
gctcctcccc	gcgcatcnct	catttgccc	cccatgcctc	tatctacgcc	cacaaccatt	840
acgtttcttc	cgtggaacaa	caccatctcg	tactccagcc	taacacgcgc	acaaacactc	900
tgtctgacgg	cacaacctcg	acgttccccg	cgtacgtcta	ttaattcctg	gctgacggtg	960
attaccattc	ctccttgtga	gcacactctc	gctcnnccac	cgcactctct	cgctctctct	1020
ctctctctct	ctctctcact	ctctctctcg	ctcctctctc	tctctcccc	ccttcaaggt	1080
agaggggtta	cctgtccact	aatggatgct	tctctcccat	ga		1122

<210> 4568

<211> 225

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (41), (74)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4568

acaatacggc	atcttatgtc	tgggggctct	cccccccta	ncaacgccgt	ttccacctcc	60
aacagttgcg	ccntcccca	ccatcttgaa	aaaacttggt	tgctgtcccc	cccccttcac	120
gttaccgcgt	ccctgtcttc	tctaaatcac	ctcgttactt	ctttaaagaa	gcactttctc	180
ctcttttccc	acgcaaccct	atttctcttc	ctctctctta	gacgc		225

<210> 4569

<211> 195

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4569

tatctggaac	tccgcggcgc	ctgtggtgac	tgctcctccc	cgcgcatcnc	tcatttggcc	60
ccccatgcct	ctatctacgc	ccacaaccat	tacgtttctt	ccgtggaaca	acaccatctc	120
gtactccagc	ctaacacgcg	cacaaacact	ctgtctgacg	gcacaacctc	gacgttcccc	180
gcgtacgtct	attaa					195

<210> 4570

<211> 987

<212> DNA

<213> A.fumigatus

<400> 4570

agatcaccca	gtagagcaga	atggaggagc	tctgattttac	tatctgtacg	tcctcaacct	60
ttgtcttttg	gtatggctag	ccctcgcgag	ataactgacc	tgtccagaca	acgacccgat	120
ccgaaaaaca	aaacggttct	agcaccctcg	aaagacctcc	gcatggttgc	tgggaacca	180
atggaccgga	aattcaaagg	cacgcacgaa	gcagaggccc	ggagttacgc	ttgcttggac	240
tacaacggcc	cagcgaagcc	cgagacaaac	ggattcccaa	actataactg	cccaaattgga	300
cttogatctc	aggtgttctt	tccctcttgc	tggaatggcg	tggactacga	tagtccggat	360
cacaagtgcg	acatggcgta	cccgaattgac	tcgtataata	gcggcgcttg	tcccagagtc	420
caccccatca	agatcgtctc	catcttcatt	gaagttatct	ggaagaccga	ggccttcgcg	480
gacatgtggt	acggagacag	ccagccattt	gtgtggtcca	acggtgacaa	gacgggggtat	540

ggcctccacg	cggactttgt	caacggatgg	gacgtgcccg	tccttcaaga	agcactcgat	600
acctgcgacg	acatgggggg	cgatatcagg	aactgccagg	tccttaagct	ttacgacgat	660
gcgataacag	aaggctgtct	cttggaaacca	tccatcgacg	agaaactcga	tggctggctc	720
gacgcccttc	ctggttgcaa	ccccgttcaa	cccgaccg	acgacgccgt	accagtcaag	780
aactgcgccg	cacctggaat	tggagagccg	cagcactact	acaccgacgt	taccaaggaa	840
ctcgggtggg	cgtggatcgg	gtgtgctcgt	gattacatca	atttcgagca	catcctggcc	900
gagtcgagct	ccagtagcga	cgacatgaca	gtgcagaagt	gtacccaaac	ttggcagaaa	960
ggcggggtat	acctatgccg	gggttga				987

<210> 4571

<211> 345

<212> DNA

<213> A.fumigatus

<400> 4571

gatgtacatc	tttgtcccgg	acaccttagc	tgcctgcct	ggaatagttg	tctcccttca	60
tggggcttct	ggaacgctca	acaacaatac	caatctacgc	catacgcaag	actcgccgat	120
atatatggct	ttattgccgt	ctacctgag	tctccccaag	gggcttggga	tgcagcttcg	180
agcgagtctc	ttgtacacga	aggcggaggg	actagccagt	caattgcgaa	tatggccaaa	240
tatgtcctca	atacctacag	cgctgatgca	agcaaggat	atgtatcggg	tgtgtcatcc	300
ggtggtacta	tggctgtaag	taatccacat	ttgcaatcca	tttag		345

<210> 4572

<211> 381

<212> DNA

<213> A.fumigatus

<400> 4572

ctaaataacg	gacccatgca	gaatacgatg	gcaggaacat	atccagacgt	cttcaaaggg	60
gtgatcatat	actctgctgg	ttccgcgagc	aacattcgaa	gcatgtaccc	aggctatact	120
ggaacctatc	cgaagatata	aatctatctg	ggatctgaag	atacagttat	cggatcagct	180
gcgtttaaca	cgacacttgc	tgcgtgggct	tccgtgctcc	ggtatgatac	cactcccgat	240
gagctactag	ccaatacccc	taggagggca	tggacgacgt	atgttctagg	agacaaacta	300
gacggcatct	gggcggaagg	agttgggcat	cccgttccaa	ttcaggggtga	tgaggatatt	360
aaatgggtggg	gtttcgcata	a				381

<210> 4573

<211> 456

<212> DNA

<213> A.fumigatus

<400> 4573

agaagcatca	gtatgatgtc	gttgctcacc	ctattggcga	ccactctccc	ctatctgatg	60
tgctatgcat	ctccgctcat	aaaacgtgcc	acattgactg	aggtcaccaa	tttcggggga	120
aaccagcga	gtattaggat	gtacatcttt	gtcccggaca	ccttagctgc	atcgccctgga	180
atagttgtct	cccttcatgg	ggcttctgga	acgtcaaca	acaataccaa	tctacgccat	240
acgcaagact	cgccgatata	tatggcttta	ttgccgtcta	ccctgagtct	ccccaaaggg	300
cttgggatgc	agcttcgagc	gagtctcttg	tacacgaagg	cggaggcact	agccagtcaa	360
ttgcgaatat	ggccaaatat	gtcctcaata	cctacagcgc	tgatgcaagc	aaggatatatg	420
tatcgggtgt	gtcatccggt	ggtactatgg	ctgtaa			456

<210> 4574

<211> 246

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (237)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4574

gatatgatga tagttggatg taaattggcc caagaagccg ttcaaaagct taccacaaac	60
ctactccgtg tcagtaagca ggcgatgtac gttttcaaga ataaggacct gtggctcctg	120
gtcaggttga ctcgatttat gtacggctat gtcacctggc acctctccag caagcggttg	180
cgtatgaatg agatctgtct tcaccacggg gctgaaagga tcgacgtgcc tcattgngga	240
ggggggg	246

<210> 4575

<211> 348

<212> DNA

<213> A.fumigatus

<400> 4575

gattcgtatt cgagtcgggc ttcagcgct catgctcgt ccttgccatg gtcgctgccc	60
cacgaagacc gctcggccca gccgcagaca ggatcagcac gctgtcctcc gacacatgca	120
ccccttcacc gaccccgata tccatgatcca gccaatctc cccctcgagt gcaggaagaa	180
tccgctcccg gccaggcgtc tgcacattcc cctttggcac ccgctcaatc gcaaaccccc	240
cttcaccgc atacaaccgc tccaaattcc tgccttggat ccgatgaatc cgaacatgcc	300
agtccggcca ccgatccgtc ggccggaacca gcgtcgctcc gaccgtaa	348

<210> 4576

<211> 504

<212> DNA

<213> A.fumigatus

<400> 4576

atccgaacat gccagtcggg ccaccgatcc gtcggcgga cccagcgctc cccgaccgta	60
atctcccat ccaccacgg cctccactcg acctccgcca cggggactct gtccttctgg	120
cccggtagca ccgagtcgcc gaacctcacc ggcgcgcact tccacttcac agcccaagtc	180
gcgcacccat ccgggctcag cgcaagggtg ctgtccggcg cgagctgctg gatcagcggg	240
cccgtcggca cgctaaacgc aaacgccgac gagtacgcga acttgacgta ctttgccggc	300
gaggcccttca tcggccaggc gacgaattgg gccgggttga ggaggaagtg gtggccggcg	360
gacgggttgtg tgcagaggag ctgctgcggc gccgacacca cctccactgg ggggttgggc	420
gatggagagg gtgcttcggg ggtggcccag aagggatgcg agtccggtag gaggagcacg	480
acgaggggatt tgaggctcca gtatg	504

<210> 4577

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 4577

gcgcttcgct tggatccttc ggcccgtgt ggtgaagacc ggctacctgt atccgtacgt	60
ctccctcccc cctccccctt acaactcccc attgccccta acaaatgcag caacatgtac	120
atggccgaag actacaactc cccgcaatcg gtctactgga gcctcaaata cctcgctcgtg	180
ctcctcctac cggactcgca tcccttctgg gccaccccg aagcaccctc tccatcgggc	240
caaccccccag tggaggttgt gtcggcgccg cagcagctcc tctgcaacca cccgtccggc	300
ggccaccact tctcctcaa cccggcccaa ttcgtcgct ggccgatgaa ggctcgcgcg	360
gcaaagtact gcaagttcgc gtactcgtcg gcgtttgcgt ttagcgtgcc gacgggcccg	420
ctgatccagc agctcgcgcc ggacagcacc cttgcgctga gccgggatgg gtgcgcgact	480
tgggctgtga agtggaagtg cgcgccggtg aggttcggga ctgcggtcgt accgggccag	540

aaggacagag	tccccgtggc	ggaggtcgag	tggaggccgt	gggtggatgg	ggagattacg	600
gtccggacga	cgctgggtcc	gccgacggat	cggtggccgg	actggcatgt	tccgattcat	660
cggatccagg	gcaggaatct	ggagcgggtg	tatgcgggtg	aaggggggtt	tgcgattgag	720
cgggtgccaa	aggggaatgt	gcagacgcct	ggccggggagc	ggattcttcc	tgcactcgag	780
ggggaggatt	ggctggatca	ggatatcggg	gtcgggtgaag	gggtgcatgt	gtcggaggac	840
agcgtgctga	tcctgtctgc	ggctggggcg	agcggctctc	gtggggcagc	gaccatggca	900
aggacggagc	atgaggcgct	gaagccggac	tcgaatacga	atctcatggc	gcagcggagc	960
ctgattcctg	tcgtgagaca	cgggctgttg	gacggtgacc	gtcaggaggc	ggtccttagt	1020
acggctgtct	ttgctgttgc	gagtcacaaa	gaccagagtc	ggaggagtct	ccggggcgaga	1080
tggatggatt	atccacggga	ggccagtagt	atcctgctgg	agtag		1125

<210> 4578

<211> 624

<212> DNA

<213> A.fumigatus

<400> 4578

gaagacaacg	aaaagaagca	atctaaagcg	cagcgcgcag	ccgaggccgc	acaggcggaa	60
gccgaagccc	gcagagcaga	gaagctgcgc	gagacagaag	cgaaccttgc	agacctttcg	120
aaactcgtca	cggagcccat	caagaagcgc	aagagccgaa	aacagaagtc	agcacgggac	180
gccgaagact	cggactttgg	tgatgaggat	gctcttaccg	ccaaggaggc	cgaagaaaaa	240
gccaggcaga	aacgctcgct	gcgtttctac	acctcccaac	ttgcacagaa	ggccaacaag	300
cgcaatgcag	ctggccgaga	tgctgggtgt	gatgcggatc	tgcttatcgc	cgaacgggtg	360
aaggatcgct	aggtcgcgtt	gaacgccgaa	gccgagaaac	gtggtaagca	aagaccagac	420
aagatggagc	agcttggcgg	cgacagtgat	gaggaagacc	atcggctggc	caaggagatc	480
aggggcgaag	gggcccgaac	cgacgatgac	gaatattacg	atatggctcg	ggcccgcctc	540
aagcagaaga	aggacgaaaa	gaaggcgcgc	gcagaggctt	atgcggccgc	agcccgcgaa	600
ggtggacgcg	tggagatcca	atag				624

<210> 4579

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (13)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4579

gaggttgggc	canacggcaa	acgtgccatc	acctaccaga	tcgagaagaa	taagggtctt	60
gcccgaagc	gcaataagga	ttctcgcaac	ccccgtgtca	agaagaggaa	gaagttcgaa	120
gagaagaaga	agaagctcgg	cagtatccgc	cagctttata	agggagggtg	aggtcctggt	180
ggctacggtg	gtgaacttac	tggtatcaag	aagaacctgg	tcaagagtgt	caagctatag	240

<210> 4580

<211> 684

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (255)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4580

acgccgaagc	cgagaaacgt	ggtaagcaaa	gaccagacaa	gatggagcag	cttggcggcg	60
acagtgatga	ggaagaccat	cggctggcca	aggagatcag	ggcggaaggg	gccggaaccg	120
acgatgacga	atattacgat	atggtcgcgg	cccgtccaa	gcagaagaag	gacgaaaaga	180
aggcgcgcgc	agaggcttat	gcggccgcag	cccgcgaagg	tggacgcgtg	gagatccaat	240
aggaggttgg	gccaacggc	aaacgtgcc	tcacctacca	gatcgagaag	aataagggtc	300
ttgcgccgaa	gcgcaataag	gattctcgca	acccccgtgt	caagaagagg	aagaagttcg	360
aagagaagaa	gaagaagctc	ggcagtatcc	gccagcttta	taaggagagt	gaaggctctg	420
gtggctacgg	tgggtgaactt	actggtatca	agaagaacct	ggtcaagagt	gtcaagctat	480
agaccacgtt	cacttctctt	tggatacatg	cactatgggc	gttcattgtg	ttctctaaat	540
tatgggcttg	cgtgtacata	tatatcttct	ctgatgatat	acacctttca	gtttctcaca	600
ttctactttc	ctcctgcacc	tccatccttt	ccacgctatc	atcagatact	caataagata	660
ctcggcattc	gcaagcaaaa	gtaa				684

<210> 4581

<211> 441

<212> DNA

<213> A. fumigatus

<400> 4581

cagtcgttca	tctccccaga	aggcgagatc	gtgcatcacc	gccgcaagct	caagcccacg	60
catgtggagc	ggagtatctg	gggcgactca	cagaccgact	cgctgaagac	ggtcgtcgac	120
agcccctttg	gcaagatcgg	cggcttgaac	tgctgggaac	atcttcagcc	cctgttgccg	180
tactatgagt	acgaacaggg	tgtgcagatc	cacgtcgcgt	cttggccggc	catgttcccc	240
atgaccaaga	gtgtgccatg	gggattctgt	gctaccggcg	acggttcaaa	gttggcgagt	300
cagttcatgg	ctatcgaggg	acagaccttt	gtgcttgcac	gtacgcagat	cctcaccaag	360
gaaaatctag	ccaagcagaa	tctggttagag	gaggggaatta	tccaggtggt	acgtacctca	420
tatccaattt	ccgatattctg	a				441

<210> 4582

<211> 198

<212> DNA

<213> A. fumigatus

<400> 4582

tcttcggacc	cgacggtagt	gccgctggta	gaagcgcccc	ctcccggcgt	ggagtgcac	60
ctccaggcgg	atatcgactt	gcaaaacatt	gattatgcc	aggcgatggc	tgatccggta	120
ggtcattact	cacgaccgga	tctgcttcaa	ttgaggggtc	acaaaaccgc	tgccaagtgc	180
gttggttgaca	tggagtaa					198

<210> 4583

<211> 672

<212> DNA

<213> A. fumigatus

<220>

<221> unsure

<222> (635)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4583

tgtaatccaa	ctgatgagaa	cagcaccccc	ctcgtctcaa	tgactccagc	tgacgcgcca	60
gccccagctt	accagggcca	gggcccagag	tatgcaccgg	tcacaaacc	aatggccatg	120
ccccctctc	caccccccta	tctccaacc	ttcatcccga	tcttcaccga	ccaactgccg	180
agcatccccc	actcaccatc	cctggcccac	tctttctgcg	acactctcgc	cttcgccatg	240
ctccccacat	acctatttcc	tccgctacac	cttcctcacc	ccgaccactc	cttcaccaac	300
accaacggca	acaacagcaa	caccaacccc	cgaccaagaa	ccaccttcca	cccacgcaaa	360

ccctcaagca	gcgaccaaac	ccaacaaaat	cctcgcttca	gccccgcg	cacaatcttc	420
atccaaaacc	ttagcccaac	aaccaccccg	cacgaccttg	acctcttct	ccaagatgcc	480
ggcacaatcg	agcagtgcga	gaatgcctta	aacccggaca	caggtcgctg	caagggcttc	540
gcgcgcgtta	ctttccgctc	ggctgacgaa	gcaaagcgcg	ccatcgcgct	cttaaaaaac	600
gggggttttt	cttggcgcg	aaaatcaggg	ctaanaatga	tcggagtggg	ttatttcctt	660
ccgggtcagg	gc					672

<210> 4584

<211> 468

<212> DNA

<213> A.fumigatus

<400> 4584

ctccagctgc	agcgccagcc	ccagcttacc	agggccaggg	cccagagtat	gcaccgggtca	60
tcaacccaat	ggccatgccc	cctcctccac	ccccctatct	ccaacccttc	atccccatct	120
tcaccgacca	actgccgagc	atccccact	caccatccct	ggccactctt	ttctgcgaca	180
ctctcgctt	cgccatgctc	cccacatacc	ctattcctcc	gctacacctt	cctcaccctg	240
accactcctt	caccaacacc	aacggcaaca	acagcaacac	caacccccga	ccaagaacca	300
ccttccaccc	acgcaaacc	tcaagcagcg	accaaaccga	acaaaatcct	cgcttcagcc	360
cccgcgcac	aatcttcatc	caaaacctta	gcccacaac	caccccgac	gaccttgacc	420
tcttctcca	agatgccggc	acaatcgagc	agtgcgagaa	tgccttaa		468

<210> 4585

<211> 288

<212> DNA

<213> A.fumigatus

<400> 4585

gttttccgga	ggacttacca	ggaatatcta	tccttggttc	cgtatctcaa	gcacgttatc	60
caaattctct	acttggacac	ttctcagcca	ttcagcatcc	tttatatggc	attgtctatc	120
gatcttcttc	agctatcatc	taccatcata	ctgagtctaa	atgaccagca	acatcaaaca	180
cgacagtact	ctacttctcc	ggcctcactc	accatcattc	tgtatcatcc	tcactcattg	240
ggactctgta	taacctcatc	ctgcgtctca	caggaggcga	cgatctga		288

<210> 4586

<211> 603

<212> DNA

<213> A.fumigatus

<400> 4586

cttcaaaata	gccgaaagga	gcagagaagg	gaggaagtgt	tgaagaatct	agatgagaag	60
aaggcagcca	aggcaaagag	agctgctaca	aaacaggtct	ccgcagacgg	cgtgcaagac	120
atgccaggct	ctgagttctt	tgcgggtgac	gataaacaaa	cggattccac	ccagacatca	180
cgccgagcct	caattgcaat	ccaaccacaa	aacgccatgg	ggatcactcc	cgctacatcc	240
gaggatcttc	taccttctga	tctgcctgct	acgcagcttc	taccaacttc	agaagtgcc	300
tcactgtacc	ccttgtttgc	ccatctacac	gcgaggggct	attatctgtc	accaggtctc	360
cgattcggct	gccagtacct	tgcatactct	ggtgatccct	tgcgattcca	ttctcacttt	420
ttggtttgtt	ccgccgaatg	ggatgaggag	attgatctga	tggatatcat	cgtcgggtgg	480
cgactaggga	ctggtgtcaa	gaagggtctt	ctgttaggag	gagctgagga	aaaggatgga	540
gactcgagca	acgaagcagg	gagtaacgtg	cggaccttca	gcattgaatg	ggcggggaatg	600
tga						603

<210> 4587

<211> 417

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (20), (53)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4587
 aatggcactt cgttggatcn gacactccaa gaccttcata attcagtgtt cnttagggca 60
 gaggaattcc cgagccatac gatgcacggg catagcttct cccaccattc cataccttca 120
 ggcttatcgc atcacggttt gcctgccatg ccgatccctc agtatcaagc gattttacgat 180
 aataatattg aaaatcactt gccagagcat gtgctggacg acaatgagaa ctcggagact 240
 ggtgcaaaga agaagaaagg ttccaattca tccctagcga acgacaatga attgcgaaa 300
 ttgctccgtc agtacgaagg ctattccctc aagcaaatgg cggcagaggt tctgaaacat 360
 gaaggggctg ggggcaaggc cgagaaagtt aagcaggtct ttgccatgat ctggtaa 417

<210> 4588
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 4588
 tctggtaagc ggacgcgcgt ttctcattgt tatcggcagg aaatctggta cttatggatg 60
 cttaggttga aagagaattg ccggaagagc agcggttccg tccggcgaga ccgtgtttac 120
 tgttgctatg cagagaaaatg tggcaccgag cgtgtctcag tcttgaatcc agcttctttt 180
 ggtaaactcg tgcgcattat atttccgaat gtgcaaacga gacgccttgg tggtcgtgga 240
 gaatccaagt accactatgt ggatttaaca gtcacgcagg aaaaacagca gaagccgccg 300
 ccgttgaatc cgcaggtctc gtcgattacc aatggccaaa ttggtggaac catagaaaac 360
 aaatttgacg gaaccatgca gaagaggttt tgtcaatata tacttgatag cccaggaaga 420
 tga 423

<210> 4589
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 4589
 aaatcaggca gcaaatactt tgccgatcta gtcataactg caggacagac tagtacagag 60
 agagtaaaag acgtgtttac tggtcggaaa ttctccggct ctctgtttt ccttatcagc 120
 gcaaattttc actctccggc catttcggcc agctccgccg ctgtcacctt gggcgattat 180
 attgacctgc ttgacagccg gctaccgagt gtttga 216

<210> 4590
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 4590
 cgtaatgtag gaaacaccat cttccttggc ctccggcgct cagggcaacc aagcagcaaa 60
 ccctggggct ggctcaagtc gctgacttct atcgtctcat tcttcacggg tgcgctgac 120
 ttctcgaatg tgacgcgtcg cactggcgcc cgccgccgcg gcaccctttt cacctccttc 180
 atggtgcaga cc 192

<210> 4591
 <211> 1083
 <212> DNA
 <213> A.fumigatus

<400> 4591

ctactgagcg	ctctttcagc	ccccggtgaa	gacttcatac	tgcttgagat	cagtcacggt	60
ttgacggatg	ctgtctccat	cgacatcatt	tggagggact	tgcagcttgc	ctatgaaggc	120
gccttgacta	cttcgaaagc	cccccgctac	agcagattcg	tctcgtatct	tcaaggcaca	180
tcgcagaagg	accatatggc	gtattggctc	aagtttttga	aagatgcgga	gccttggttc	240
tttccccatc	tcggaacggg	caaccaaaaa	ggcgcaacac	gggctgtgtc	cgtcacaatt	300
tccagagcaa	tgactgatca	cattcggcag	ttctgtgcat	ctctccagat	tacgggttgc	360
aacctcattc	aagtgatgtg	gtccatgggt	ttgcgctcgt	acactggaat	ggacgatgtc	420
agttttgggt	acatcacatc	tggacgggat	cttcctttgg	acggtatcga	cgatttggtg	480
ggcccggttg	tcagcatgat	gatatctcgc	gtgcggtata	cgcggtcaat	gaaagtggcc	540
gacgtgatca	aacaagtagg	gcaggatacc	gtagccagta	tggcccacca	acactgttcg	600
ctggcagcca	tccaccgaga	agttgggcta	aagtccaggt	ccctgttcaa	taccgttctc	660
accgttgccc	ggccgcattc	cacgcagtcg	atagacagtt	ccttgcaatt	aacacaaatt	720
gcgagttcgg	ctgggactag	cgaatttgac	gttgctctgg	aagtgagtga	ctctggagtc	780
gaactggata	ctaccctcgc	atactccgag	tcagctcttc	gttcggagga	cgcgaccaat	840
ctgtctcatg	cgatagtgtg	cgcgttgaat	tggatcattg	cacatccaga	atctttgggt	900
gaccatctca	gcctgtgctc	acctgatctc	atatcccaa	tgactgccat	gaacaacgcg	960
agcccaggag	tgggagttgc	ggcagtgctc	gcacgaactt	atctccttgc	gtgcacatcg	1020
gcaaccggat	tctccagccc	tgtggaccgg	acagggaaca	atgacctact	cggaaactaga	1080
tag						1083

<210> 4592

<211> 396

<212> DNA

<213> A.fumigatus

<400> 4592

acaacgcgag	cccaggagtg	ggagttgcgg	cagtgtctgc	acgaacttat	ctccttgctg	60
gcacatcggc	aaccggattc	tccagccctg	tggaccggac	agggaaacaat	gacctactcg	120
gaactagata	gcaaataaac	gatgtttggc	cgtcagctta	tctctcttgg	tgtcaggccc	180
ggctctcttg	ttcccatatg	tctatcaaag	tctacagtgg	ccgtcctcgc	tatgcttgct	240
attatgaaag	ccgggggggc	atttgttcct	ttggaccctc	tacatcccac	tcagcgtttg	300
gcggatctcg	tccagcggac	gggggcaaa	ttgatactct	cgtcagccaa	cacgaggaac	360
tcagcagagt	tcgctggccc	cagagtgggt	gtcttctc			396

<210> 4593

<211> 1068

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (46)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4593

gaagcaagtt	cagttagtag	ttccaaagga	tctgggggct	ttgtancaga	cgttacgac	60
gtatgcgggt	tgtacgggtt	caacatcgga	aaccagcagt	tcacgatgcg	caatctgcac	120
atttcagaag	ctgtgggttg	tatctcccaa	atttggaaact	ggggctggac	ataccaagga	180
ctcactctga	caaactgcac	cacggctttt	tcaatcgcca	atggcggtcc	tggagctcag	240
ctgggttgat	ctgccattgt	acttgacagt	acgattgagg	actgtcctgt	gttcggttgg	300
acagcctggc	agagctcgag	ccagagcaat	gtagccttga	ttctggagaa	cgtggccctc	360
aacaacgtcc	ccgtggctgt	caagggccca	agtggaaacag	tccttgccgg	gtcaggggga	420
gccatgacca	tcagtgcgtg	ggggcaggga	cacaagtata	ctccttcttg	gccgaccaac	480
tttcaggggtg	caattactgc	gcccacaagg	cccagcgctc	tactgtcttg	tgggaagatat	540

tacaccaagt	caaagccgca	gtatgaaaca	tctccgactt	cttcattcct	gagcgtaaga	600
agtgccggag	ccaagggcga	tggctctact	gatgacactg	ccgcgattca	atccgctctt	660
accacagcag	tgggttcagg	acgaattgtc	tacttcgata	aggggtgtga	caaggtgact	720
ggcacactct	acatcccccc	tggctcgagg	attgtaggag	aagcatatcc	ggatcatcatg	780
gcaagcggaa	gtcagtggtc	caacatcaac	cagcctgtgc	cggtgatcca	agttggtaag	840
gcaggagagt	ctggaagcat	cgaatgggtc	gatatgatcg	tcagcacgca	aggctcgaca	900
cccgggtcgg	tgcttattga	gtggaatttg	gctggcaagtc	aaggctcagg	catgtgggat	960
gttcacacac	gaatcggggg	atttgcgggc	tcaaacttac	aagccgtaca	gtgcccagacc	1020
tcggcagccg	tctcgggtcta	cacgccgggg	ctggaaggta	tcgcgctg		1068

<210> 4594

<211> 270

<212> DNA

<213> A.fumigatus

<400> 4594

gcgccacacg	cattacctcg	ctttacaggt	ctgtccccct	gtcagccagt	attaggcctg	60
actgacatgc	gtagcttcgt	ctctgtgata	acaggaacca	ttctcggagc	aatcgtcatt	120
tatgtgagac	gcctcaagcc	atttattgtc	gctgggtacct	tggctttcat	ggcagccttt	180
ggatcctcca	tccgattccg	cggaggcgca	gacggcacca	atcatgcagg	aatcatcggg	240
ggtcagatcc	ttcttggttt	tggttaagtga				270

<210> 4595

<211> 387

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (230),(309)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4595

cttgtccagc	tgggtggttg	ttcccttacc	ccgctcaagc	cagcgttcag	gtcgcctcca	60
agcataagtg	taagtctggc	gccccagga	gcgttcgcaa	tgctaaccac	cacagacctt	120
gccgtcatca	ccggcatcta	cctcgcaacg	tacaacgtcg	gcagcgccct	cggaaacacc	180
atctccggcg	ccatctggac	tcaggttctg	cccggcgagc	tggaaaatcn	gcttggcaac	240
gcgacactgg	ccgcagaaaag	tctatgccaa	tccccttcgc	cttcacccca	agtaaaccac	300
gtctgcacnc	cgggacgggg	acgccgttca	ttttggccct	acaccatgcg	caaaaaatgg	360
tggttgatca	cgggggtatct	tgcttga				387

<210> 4596

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 4596

acagatggct	catccgaccc	tcgaagcgca	gccttctcga	catttacgcg	agctgctctt	60
aaggcgtgga	aaactgaccc	ggttttccag	ccttactttc	acgaaactgg	ctttatcata	120
tcggggcaca	cacctgctct	gattgaccac	atacgaaaag	acgaggtaga	accgtcagaa	180
acaaaacttcg	tcaagctgga	gacagccgag	gacttcgcc	ggaccatgcc	gccaggtgta	240
ctgacaggcg	acttccctgg	ctggaaaagg	tgggttgaca	agtctggtgc	tgggtggatt	300
catgccaaaa	aggctatgat	ctctgctttc	aatgaagcta	agcgcttggg	agtcagattt	360
gtcactggct	ctccggaagg	gaatgttgta	tcgttggtat	acgaggacgg	agacgtcggt	420
ggagccagaa	ctgccgatgg	tcgcgtgcac	aaagcccatc	gcactattct	ttcggcaggt	480
gctggcagtg	acagtctcct	agacttcaag	aagcagcttc	ggcctaccgc	gtggactctc	540

tgtcatattc	agatgggccc	tgaagaggtc	aagcaatata	ggaaccttcc	tgtgttggtc	600
aacatcgcca	aagggttctt	catggagcct	gatgaggata	aactcgagct	caagatttgt	660
gacgagcatc	cagggtactg	caactttctc	cctgacccaa	acagaccggg	ccaggagaag	720
agtgtccctt	tgcgaaagca	tcagatcccg	ctcgaggccg	aagcccgcgc	acgagacttt	780
ctccatgata	caatgccgca	tctggctgac	aggccactgt	ctttcgcgcg	tatttgctgg	840
gatgctgata	ccccagaccg	tgttttcttg	atcgatagac	atcctgaaca	cccctcactg	900
ctagtgcgtg	ttggagggtt	cggcaatggc	gccatgcaaa	tgctacaat	tggcgggttt	960
atcgcagatg	ctctagagag	taaactacag	aaggagggtg	aggatatcgt	tcgatggagg	1020
ccagagacgg	ctgtcgatcg	agattggaga	gcgactcaga	atcgctttgg	cgggcctgac	1080
aggatcatgg	attttcagca	ggtcggagag	gatcagtgga	ccaagattgg	agagagcaga	1140
ggtccgtaa						1149

<210> 4597

<211> 501

<212> DNA

<213> A.fumigatus

<400> 4597

aaatgttgta	acttactgct	cagtaaaggc	atatcccaag	ccgcgatgcg	agcatattca	60
cgaatctcgc	ggtgcaattc	gacctccgcg	tgcgccatgg	aggtgatttc	gtcgtcatgg	120
aaatcgtcac	ctgcgtcctc	gacaagaccg	aattcatcgt	cttcttcttc	agcccagaag	180
ccccgggata	tgtccggcac	atcctcaaat	cgcagcccta	cttcttcttc	tatgtctctc	240
acactcttct	cgatctccgc	aaatttggcc	gctcgcactt	gcgggtcatt	gaattcttcg	300
atcatgcgac	gttgctccgc	atcaaaggcc	tcccgttcc	ccggggatag	catttcatac	360
attgaccgct	cctccttgct	aaggagatct	ggcgagtatt	ccggcacgct	aggcaattca	420
tcctccggcg	aaggtccttt	ggcaattggc	ggatcttccg	gcacgaattt	aaagggtgtg	480
acagagaacg	ggcgagattg	a				501

<210> 4598

<211> 225

<212> DNA

<213> A.fumigatus

<400> 4598

gttatgattc	atgatatact	tttcttttgt	cattcgttag	tctacatcta	cctgtttcct	60
ttgttgata	tccacgagt	cgtacggctg	gtgtctatca	tttctatacc	tatatcccg	120
tcgattcgct	gtcgtcagag	gagtacggat	tacaattcaa	ttgatattat	cacgcctcaa	180
tgggaaaacg	tccagacaaa	aacaaggagc	aggatcggaa	aataa		225

<210> 4599

<211> 1206

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (253)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4599

aacctgatt	ctctacaaac	ggctcaccag	atcttccaac	ctcgagctgg	ctgccaagg	60
ctctcgctga	atcccaaacc	tttggtcgag	ccattcgaat	gttttctg	cagagtatcc	120
aaacgcacca	atcttggcct	ggagccctcc	gtacgcgaca	tccgtagcaa	tccatttctc	180
cttatccacg	ccatcttgga	gactcgtcaa	gcagtcgtag	atcttgctgg	tcgtgggtggc	240
ggggtcgaag	tanaagcttg	ccccggctcc	cgtcaccagg	gtcgggcact	tcacatcagc	300
caagtattcc	gtgccgtctg	ccttctgcag	agtgtaggcg	ccaaagctac	gcatgacatc	360

cgcatccgtc	gtggagccgg	tggcccacct	caagtgggta	aactcccacc	gggcctgaaa	420
cgcaagtttc	ttgagaacgc	cgaggatccc	gttgaacatc	cagtcggaga	gccagccgct	480
catgaagccg	ttgaagagcg	ggcccggcat	cgggccgccc	acaaagctcg	acaggctgta	540
gaatccatcc	acgctcacgc	atgccttgat	ccgggggtcg	gcagccgcgc	ggagggcaaa	600
gtagccccc	atcgaggcac	ccgtcacggc	aatgtgggcc	aggtccagct	ccagttcggg	660
atggcgcgta	gccaggtcga	agaggtgac	cagaacggga	cccgtgacgg	attcccagtc	720
cgggcgcatt	ggcagcttgt	cgcgacggag	gacgattcct	tggccggggc	cctcaaacgt	780
caggactgcg	tagcccaagt	ccggcccgtg	cgccggattg	acaaagtaga	tctcttcctg	840
ggtcgaatcg	cccccgccc	agttgagcag	gatcgggac	ttgcgaccag	ggatgcgccc	900
ggcggcaggc	ggcaagtaca	gatatccagg	cagcgttttg	ccgccctcgt	atgggatctc	960
caggaagatc	gtcttgccat	cacgatactg	gacgcccttt	cggaaattgg	caatggctcg	1020
ttccaaggtg	ggaaggactc	tttcgtcatg	tccgatgggg	ccttcgttga	gcatgaactg	1080
cgcggcccg	aggtagttgg	aggagcgcag	gtacgcgcgc	cgtgcaccga	cacgatctcc	1140
agaggcctcg	gcttgctttg	cgatggcttc	tgccttgcca	cctattacga	ccgggtgaaa	1200
atacgc						1206

<210> 4600

<211> 1194

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (954)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4600

gcgtattttc	acccggtcgt	aataggtggc	aaggcagaag	ccatcgcaaa	gcaagccgag	60
gcctctggag	atcgtgtcgg	tgcacggcgc	gcgtacctgc	gctcctccaa	ctacctccgg	120
gccgcgcagt	tcatgtcaa	cgaaggcccc	atcggacatg	acgaaagagt	ccttcccacc	180
ttggaacgag	ccattgccaa	tttccgaaa	ggcgtccagt	atcgtgatgg	caagacgatc	240
ttcctggaga	tcccatacga	gggcggcaaa	acgctgcctg	gatattctga	cttgccgcct	300
gccgcccggc	gcatccctgg	tcgcaagatc	ccgatccctg	tcaactcggg	cgggggcgat	360
tcgaccagg	aagagatcta	ctttgtcaat	cggcggtacg	ggccggactt	gggctacgca	420
gtcctgacgt	ttgagggggc	cggccaagga	atcgtcctcc	gtcgcgacaa	gctgccaatg	480
cgcggcgact	gggaatccgt	cacgggtccc	gttctggatc	acctcttcga	cctggctacg	540
cgccatcccc	aactggagct	ggacctggac	cacattgccg	tgacgggtgc	ctcgatgggg	600
ggctactttg	ccctccgcgc	ggctgccgac	ccccggatca	aggcatgcgt	gagcgtggat	660
ggattctaca	gcctgtcgag	ctttgtgggc	ggccggatgc	cggggccgct	cttcaacggc	720
ttcatgagcg	gctggctctc	cgactggatg	ttcaacggga	tcctcggcgt	tctcaagaaa	780
cttgcgtttc	aggcccgggtg	ggagttaaac	cacttgaggt	gggccaccgg	ctccacgacg	840
gatgcggatg	tcatgcgtag	ctttggcgcc	tacactctgc	agaaggcaga	cggcacggaa	900
tacttggtcg	atgtgaagtg	cccgaacctg	gtgacgggag	ccggggcaag	cttntacttc	960
gaccccgcca	ccacgaccga	caagatctac	gactgcttga	cgagtctcca	agatggcgtg	1020
gataaggaga	aatggattgc	tacggatgtc	gcgtacggag	ggctccaggc	caagattggg	1080
gcgtttggat	actcggcgca	gaaaacattc	gaatggctcg	accaaagggt	tgggattcag	1140
cgagagcctt	tggcagccag	ctcgagggtg	gaagatctgg	tgagccgttt	gtag	1194

<210> 4601

<211> 1089

<212> DNA

<213> A.fumigatus

<400> 4601

ttcgctagca	gcgtcttctc	gactgcaacc	gcgggtgacgg	ctaaggaata	ccatgtatca	60
actgagggtta	tgactttggc	taccagcctg	gtcgtgttcg	gattcgctct	tgggtccatc	120

gtgtgggctc	ccatgtctga	gctctatgga	cgagagctgc	cgctgttctt	gggctacgcc	180
atcttcgtaa	tcttccagat	tccggtagca	gtggcacaga	atgttcagac	catcatgata	240
tgcgcgttcc	tcatcggtgt	tttcgggtgc	tctcctctag	cggttggttg	aggcgcaatg	300
gcagacttct	gggatcccat	cgaccgtgct	gtggctattg	ccttgttctc	ggctgccact	360
ttcgttggtc	ctacacttgg	tccaatcatc	ggtggattta	tcaccgagtc	gtacctcggc	420
tggcgctgga	ctgcatggat	cacgatgatt	ccgtctgcag	ctttcggcac	tttagccttt	480
ttcattgttc	ctgagacctt	tggctctgtc	atccttcaga	gacgcgcggc	tgccttcgc	540
cgtgagacag	gcaattgggc	actgcacagc	cttctcgacg	aaagtgcgcc	taccgcttcc	600
gagatcgta	acaaatacct	gctgcgcctt	attcaaagtc	ttttcctcga	gcccatacct	660
ttgctgatca	cgatatacct	ggcactgggt	tacggaatcc	tgtacctttt	cttcgaagca	720
taccccgttt	cgttcatgga	ggttcgcggc	tggaccaacg	gaggcattgc	cggtcttccg	780
ttcatcgga	tcttgctcgg	agtggctctg	ggtgtggcat	tgatcatctg	gcagacgaag	840
acccggtttg	cacgtaagtt	ggcgaaacac	cgccgcgttg	ttcctgatga	gcgtttgggt	900
ccccatgatt	ggtgcatccg	tgttcttggc	cggtggtctt	ttttgggtcg	gctggacccc	960
caccccccat	atgttgtggg	ttgctcaagt	tctgacaggt	tttcccttcc	ggcattgggg	1020
atcttgggtc	atcctccatg	ccagggttct	ccacctactt	cctcccaaag	ttgttttttt	1080
tccacctcc						1089

<210> 4602

<211> 252

<212> DNA

<213> A.fumigatus

<400> 4602

tccgatcttt	ggaatgtgat	attggcaaag	ggactattag	ctgatacccc	ccacaacagg	60
gctgagaaga	atcccgccga	cctcaaggct	gtctgtgtta	ccaatggcga	tgatgtacag	120
aaaaagatcg	cgaacacttg	tggatgatag	gagcaggcag	ccctgtcgtg	gtttgctgat	180
acctgcgacg	ctgcaggcta	caaagttggg	atgttctcca	ggcgtaccg	aggcgcatcg	240
cggggttcct	ga					252

<210> 4603

<211> 279

<212> DNA

<213> A.fumigatus

<400> 4603

ttggccgcac	cattaatgac	atatttctta	gatatacaat	cctctaccac	tacctctgag	60
tccgctaccg	gaacttccac	taagggtctg	gcatctaaac	ccggtttcgt	tactgctact	120
gcgactggct	cttctagctc	tggggagaa	aagtcgggaa	cttctagctc	cagtgtacag	180
tgcacttccc	agacagtctc	agctggctcg	tctgatcgac	aggtctccgc	agcagccttt	240
gcggctgtcg	tcttcttcgg	ctttgctgca	accctgtag			279

<210> 4604

<211> 771

<212> DNA

<213> A.fumigatus

<400> 4604

agactgcacc	ctctcatcca	gcctccctcc	aaaaccaagc	cagctgctga	atggagtctg	60
agtagtcaaa	cacttatata	ccctgtggct	cagttcactc	cgctattgaa	gcctgatact	120
tctactgagt	tccccgcagt	cacagctatc	ttacgccttc	tttctacttc	ctctgttttc	180
tccggtgccc	gctggctctt	caccgctggg	tacttcaaca	tacaccccg	tctttcttct	240
ctcctcattg	caagcacgtc	cacctctcac	accgcctcga	ctacccgagg	tactgtgctt	300
accgcttcac	catgggcca	tggattttat	ggctctccgg	gagtttctgg	catgttgctt	360
gocgcctata	cacatctttc	ggccaagttt	ctggaccgag	tctcagaggc	acagcgcaca	420
aacgccatcc	agctaaaaga	atggcgctcg	ggaaccgtag	gggaaccagg	aggttggtact	480

tatcacgccca	aggggttgtg	gataactctg	cccaaggaag	aacaccccag	catgacattt	540
gttgggaagca	gcaattacac	aaagcgcagc	tacaccctgg	acttggaagt	tggcgcgctg	600
gtcgtgacca	atgaccagga	attaaaacag	aaattggggg	ctgagaccga	ctggttgcaa	660
aaagattcac	aagccatctc	gcgcgaggat	ctacggcgga	ccgagagacg	agtctcatgg	720
aaggtacgat	tggcaatgtg	gatcgttgag	aaggttgggg	gtgctctatg	a	771

<210> 4605

<211> 189

<212> DNA

<213> A.fumigatus

<400> 4605

ttcaatgagg	tcatggacga	cttccttgct	gggtgggatg	ataagacaag	cgcccaggcg	60
aagcgtaagg	gcgccaaggc	caagagaggc	aaaaacggca	acgaggccat	cggaatcaag	120
atgttgagcg	agatccgaca	gggtctcggg	cccgtatag	tgccaggaaa	ggtttctggc	180
cgggcatga						189

<210> 4606

<211> 525

<212> DNA

<213> A.fumigatus

<400> 4606

agactgaact	tcggccagat	gggatttggt	ttcatcgaag	ccaacgtcaa	aaaatggggc	60
ctggctccca	tgacgggcag	cctggctcct	ccgccgccat	atggaagcga	gcagggcagt	120
atcctccttg	aatccggtcg	cgagagcgct	gctcagatct	ctcagcgggt	ctatcaggat	180
gcaaggacaa	gctcgaccgt	cagaatcccg	ccctctcgta	gccccggacc	ggtccgatca	240
ccaacggata	tttcctcgc	accacttgca	catattccct	ctcacgaaga	cgttggtgaa	300
ggatcaagtc	atgctaacac	cattgctgac	gaacaaactg	ccttattgaa	cccaaccgat	360
cttgatcagg	ttccgcctcc	cgaataactcg	agcccggaag	gcagtcgaag	aggtagtgc	420
atcacaggag	acctgccaaa	tcagagctca	cctccgatac	cgagttacga	tgctgctgtg	480
ggcaaccaag	ccgacaatac	cttgatgccg	gacggcgatc	actga		525

<210> 4607

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (217), (222), (238)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4607

ggagaatcaa	aacctccagg	tctccagctt	ttcagtctgc	tccctccoga	tacaatcacg	60
ctctctcatg	aggtaagcc	tgagttcgcg	ggcctcttca	atagtgagag	gatatggttc	120
aagttaatcc	agcaccatat	cctgcagctc	tcctgggagc	ccctttcgag	ccagaacatc	180
tcgttgata	ttgaggccat	cccaccgcc	cccctgntgg	tnntcaccga	cggaccgngg	240
acaccacc						249

<210> 4608

<211> 807

<212> DNA

<213> A.fumigatus

<400> 4608

aacgcattcg	cggtccttca	tgcccgttgt	gaagactgct	ttgacgtagt	ttgtcccgac	60
tgcttctccg	gatggaaaca	agtttttgat	ggtcacgtcg	aacctacgaa	tacaataaaa	120
tgccagggtt	gtgacggttg	gatccctatc	tcgtattcga	ccatcactgt	cgaaggactt	180
gaggagtact	tgacggagca	cgaacaagca	aagcagagcc	gaaggcaacc	caaaaccctt	240
ggcgagtacg	aaggaccaca	cacgaagacc	aaggcgcttt	tggtcatct	ctccgaatct	300
gcagaggaga	gcaagagact	aaacgctgag	cccccaatca	agagcgtggt	attctcggcc	360
tggaacctct	atcttgactt	gacgagatt	gcattgaaag	atcgtggcat	gacgggattc	420
acacgcttag	acgggactat	gtcgtcgcga	gctcgttaaca	aagctctaga	ggatttccat	480
accaacgaca	acaccactat	cttgctagcc	acgatcgggtg	ctggcgggtg	cggattgaac	540
ttgacttctg	cttcgaaagt	gtatatcatg	gaacctcagt	ataatcctgc	agctgtggcc	600
caggcgatcg	atcgggtgca	ccgactgggt	caaacgcgcg	aggtgaccac	agttcagttt	660
atcatgaagg	ggagtataga	ggagaagatc	ttcgagcttg	ccaagaagaa	gcaacagttg	720
gcagacatga	gcatgaaccg	tggaactc	gacaagaaag	aaattcagga	gcagcggatg	780
agagaatata	gaagtctctt	caaatga				807

<210> 4609

<211> 192

<212> DNA

<213> A.fumigatus

<400> 4609

ccggcgcaaa	atgtatggaa	tgtatgtgtt	tcaacttctc	cccctccccc	ccacagtcca	60
tcgtttggct	ttgccactaa	gtcgaacgag	catctcactc	ctttgtgcgg	acgccatacg	120
taccattcgc	ttacgattga	cgtccattgt	gtgaacgctt	cttcagaaac	tagtcgaaag	180
tacagactat	ga					192

<210> 4610

<211> 225

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (26), (27)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4610

cacagaattg	atagttcgaa	caattnnacg	ttgggtggta	ctacgggtgct	acatagtgcc	60
tggttttcat	gttttggtcg	gcgaaaatcg	ctcaaggcaa	tctggacggg	gaacacgatc	120
aagtttgacc	ctttcaacct	tttaacggcc	gccgcatccg	taatgcatcc	aattatctgg	180
acgttggaga	agattctttg	ggcttctaag	ccccgtgtgt	caaaa		225

<210> 4611

<211> 255

<212> DNA

<213> A.fumigatus

<400> 4611

gcacattgtg	gagttgctgg	ctcagccacg	gactggctaa	tgctatggac	gatcaaacag	60
atccagggtc	aaattagcgc	aatcactgac	ttggagggaa	ttaccgccga	ggagcatatc	120
attagcactc	catcgtcgat	cgccgtcgac	catgttctga	gaagcttcta	tcatttcgac	180
gtcggaaagc	tttcccagca	agacctgttc	tccttctgtc	tgtactgctc	aaaaatactc	240
gatggctcca	cataa					255

<210> 4612

<211> 453

<212> DNA

<213> A.fumigatus

<400> 4612

gaagcttcta	tcatttcgac	gtcggaaagc	tttcccagca	agacctgttc	tcctttctgtc	60
tgtactgtct	aaaaatactc	gatggctcca	cataagggtg	tggaaggctc	acccacacaa	120
cagatcatat	ccgaccacgt	ttggaagcgc	aagcgacccg	aaaccgacta	tgaacgatgg	180
cagcgggagc	aagacgagag	ctacgaaccc	ggcggacgac	cacaatacgg	accgccaaac	240
gaattccgga	aagatgacta	tgtggcagac	ggaactgagg	agttgctcca	tggacagcac	300
tattctgtag	agcaccgggc	cccatcgcac	ggttattttg	tgtcctcaac	agccccggca	360
aaacccatca	caagcgaggg	tagcttcata	tcttactgcc	aggaacgctt	gtattcagcc	420
tccggagcga	aggcaagaac	cgaacttatg	gtc			453

<210> 4613

<211> 777

<212> DNA

<213> A.fumigatus

<400> 4613

ctgtggcttt	ccagaggcta	tgcgtcgata	acagccgggtg	cttgttctac	tatagtgact	60
aatccaatct	gggtcattaa	aacgcggctt	atgtcacaga	gcctcaagtc	caacagtga	120
ggctacacgg	ctccatggca	gtactcaagc	acttgggatg	cagcccgcaa	aatgtacagg	180
atcgaaggga	ttaggtcatt	ttattctggg	ctgacccccg	cgttactcgg	cttaacgcac	240
gtcgtctatt	aattcccgtc	atacgaatac	ttgaagatgg	cctttacagg	gtacgggata	300
ggggaacatc	ctgataacgg	tggctctcac	tggattggca	tatcctgtgc	gacattccta	360
agcaaagttt	gtgccagcac	tttaacctac	ccgcataga	tgctacggac	aagacttcag	420
acacagcaaa	gaacatctcc	agcgccttct	ccagaaggta	tctcatttcg	tggagggcta	480
gatcaccac	aagaccgcgg	gcggcctcca	ggagcggctt	catcggacgg	catgcccac	540
cgccctcgg	atacgggcgt	gatccgtaca	tgtcagacca	tcttgaggga	ggaaggctgg	600
cgcgattct	actccggcat	cggggtgaat	ctattccggg	ctgtgccggc	tgccatgacc	660
acaatgctta	catacgagta	tctccgtaag	ctgatcggtc	acttgcaaca	tgagggagag	720
ttgaagttgc	gcatggcaaa	tgatagagaa	ttagctttgt	tgcagcagga	tgagtaa	777

<210> 4614

<211> 213

<212> DNA

<213> A.fumigatus

<400> 4614

tctctcaatg	ctccgatagc	tgcctttacc	atggcaatca	ttctatgtct	ctactgcctc	60
agttccatca	actccgctcg	ccgcgaggct	caatcatccc	cagtcaccgc	gactacaagg	120
gctcagaagt	tctccgtgga	aaaatctgac	caatcgtggg	tacagcaggc	attagaaacc	180
agagatgcag	agcagcaaaa	tcggtcgagg	tag			213

<210> 4615

<211> 1446

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1413)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4615

agattccact	ctcgtgcttg	tcaacaagta	cgagagtggg	acgctgcgct	accagagaga	60
------------	------------	------------	------------	------------	------------	----

cctgatagat	gcgcacatga	gataattgaa	caacagggttc	tgagccaccc	tacctcgct	120
gcaatctgct	catgggacgg	agaatttact	tacgaacaac	tcgaccgtct	atcaaccaa	180
ttggcaaagc	atcttggttg	cctgggtgtc	aagcccgaaa	tcttcgttgg	attgtgcttt	240
gagaagtcgg	cttgggcagt	catcgacaaa	gttgcgggtcc	tgaaagccgg	aggggcattt	300
gcatctctgg	atcccagtc	ccgggacgca	agacttaggg	gcttggtcga	cgatattggc	360
gctcatatct	ttctttgctc	tgccaaatat	ctcgacaagg	ctcgccagat	atcccgcgcc	420
gcctatatcg	tgagtgaaga	aacactcgct	gaactgccag	acgtatcgtc	tactgcgtcg	480
atgactcggc	ccagcatcca	caacgcagcc	tacgctattt	ttacctccgg	aacaacaggc	540
aagccaaaag	tgactgttct	tgagcacatt	gctctcagcg	tgtcttcacc	agctttcgct	600
cgtagcatgg	gaatggacac	gactactcgt	gctctgcagt	tctccagtta	tacttttgat	660
gtgagcataa	aggagattat	cattgtcctc	atgacgggag	gttgtgtttg	cgttcccagt	720
gatgaagagc	gcatgaacga	cctgtccggt	gccatcagga	gactgaacgc	caacttcac	780
agttgtcctc	cgtcagtttc	aaacacgac	caacccgaga	gtgtcccatc	agttaaaact	840
gttgtgatgg	gaggcgaaaa	gatgactgcg	agccatatcg	accgttgggg	cgatagggtt	900
gtcatcaacg	cgtacggggc	ctcggagtcg	acagttatgg	caacgatgag	cgtcaaagtg	960
gatgaagcag	gagtacgcgt	caacaacgat	tgcaactcca	tcggtgctgc	gatttgcggc	1020
cgcacttggg	tggttgaccc	taacaactat	cagcgtcttc	tgcttatcgg	ggctgtgggt	1080
gagctggtgc	ttgagggctg	caacgttgcc	cgtgggttacc	tcaacaatga	ccagaagaca	1140
aaagagtcac	ttatcagcga	ccctgcattg	acgaaggccc	caggtttgaa	ggaactattc	1200
aagaggaagg	agcgcagtga	cgggactggt	gatcttgctc	gctataaccc	cgacggcaca	1260
atctgtctca	tctcgcgcaa	ggacacccag	atcaagttca	acggtcagcg	aattgaactg	1320
gaagaaaatcg	aacaacaatg	catcagtttt	ctttctggag	gactcaggt	ggccgctcag	1380
gttgtggagc	ccgaatcgaa	gccattgcaa	gtnttctcca	aggagccca	gatccgcca	1440
gtgggt						1446

<210> 4616

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (104)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4616

ttaccgcac	ctttgaaccc	gttttctttg	ggtattggac	ggcatttttc	gcccgcggg	60
ttaggatgct	ctttctggga	ttgggttgaa	catgtgggcg	gcanatgctc	cggtcggaac	120
gacttggtta	atgcgaacac	aggcaagttg	aacccccggc	acatgtacgg	tgcgaccaat	180
caggatgtct	tcccgggtggc	caactgtgca	atggggcgctg	gaacggcaat	tgttggttag	240

<210> 4617

<211> 1191

<212> DNA

<213> A.fumigatus

<400> 4617

acccccggca	catgtacggg	gcgaccaatc	aggatgtctt	cccgggtggc	aactgtgcaa	60
tggggcggtg	aacggcaatt	gttgggtagt	tatatcacia	cattgtctct	tccgggcac	120
cttcttttgc	tctgggtgga	ggagcaggcc	ttctatgtgc	tggatgccac	tgctactaat	180
tatattttacg	gtcgtcaggc	catgtcgcct	gcaactgcct	ggagagacca	tggtgtcttc	240
agtctgaact	cctcgcagta	ctacaaatgg	ccgattcaag	ctggccggga	aggttgccac	300
gatgatacacg	tcgctatga	tcacggggac	ccttctcacc	cagtgcgcaa	catcctcaag	360
cacatgtatc	agttgcgtga	gcaattttcc	gttcttaatg	acggttacac	cctcaacaac	420
ttgtccaagt	cgacctttcc	cgtgcagtac	ccgggttcta	acggaaccga	gaccgagacc	480
ggaatgtggt	ctgtcagtcg	cgaagccaac	ctggaagtgc	aggatttcgg	atccgatgac	540

ctgaattcgc	ctgtatggat	ggtctaccag	aatgataaac	atacggtgga	ttacaagttc	600
gattgcaaca	gcgagaccga	tgctttgatt	gctccctacc	ctgccgacac	cgtcgtcaag	660
aacttgTTTT	acccctggga	tgagttcacc	ttgaccgccg	gccccaccaa	acggaccttt	720
ggaaatgcga	cattgcctgc	tggctgctat	ggcaatctga	ccctcaaagc	atttgagttc	780
cgggcctacg	tgccaaagaa	gttacatcgg	aagcctcgcc	cgatgatcac	caaattcagc	840
ccgggccacg	acgttcccat	tgcttcacg	gttgccgctg	atgcttccga	gaatgtgccc	900
attgagctgc	atttctccga	ggagatggat	tgcgatgggg	tcaccaagtc	gatttccctg	960
acctcctcca	ccgagtcact	caaaatccca	tccatcgacg	ctggctctgt	acattgcgag	1020
cgtattacca	acttcaacac	ctcgtggact	gctcagattc	ctagcatgtg	gaagtggcag	1080
gctactttga	cgaatgtcta	caacgggatc	caccagatca	ctgtgaagga	acccaagact	1140
agcagtggca	acgcctccac	caactccacc	gatcacttcc	ttttccgcat	t	1191

<210> 4618

<211> 567

<212> DNA

<213> A.fumigatus

<400> 4618

ttgaaacatg	agcgcttttt	ccagccccgt	ggtgaagacg	gcaatccatg	tgttttcgtg	60
cgtgcttctg	acttgggggg	accaggaaat	ctggcgccag	ataagatcga	tgcgcatcct	120
actctactct	cacagttgga	ttcgatccgt	cggcaagctg	gggtgaagat	gggactggct	180
ggaacaacaa	aagaagtgcc	tgggagtgtt	cccaagatct	gcctcgtttc	atctccgtca	240
gatgcttata	catcgggaat	gatgcagacg	ccaaaggatg	tcgatctggg	ggttcgcgct	300
ctctcagtcg	gccagccgca	taaagccgtt	cccatcaccg	tcgctttggc	tcttgcgacg	360
gccgctaggg	tgtccggcac	tgttggtggc	gacgtggtaa	gcgacaaacc	agtagatcct	420
gctggcatta	ctctaggcca	tgccagtggc	aaactgctag	tcggcgcgaga	ctttgaccct	480
accggtcatg	taagctgtgc	gacggtctat	cgaactgcgc	gccggattat	ggaggggctg	540
gtcttttgga	aagggtgttc	tacttga				567

<210> 4619

<211> 561

<212> DNA

<213> A.fumigatus

<400> 4619

gtactctatt	ccttcgagcg	gcgtcgtgta	gtacatatgc	caatcggttg	gttctggttc	60
ggctggacgt	cctaccctc	cattccatgg	attgtcccaa	cgatagcagt	tggatgcgct	120
accatgggca	tcttctcggg	ctacctagcc	acctttaatt	atttagccga	cacctatcac	180
cggtagccca	gttcggcgat	tgcggcacag	tcttgctgta	ggttctccat	tctgctcttt	240
tgttcttcac	tattgacgcg	acgatcaggt	cgaaatctcc	tcgggtgggtg	ctttccggtg	300
gtaaccaacg	ccttggtttac	gaaccttgga	tatcctgccc	cttccagtct	actcggggga	360
attgtgagtt	tctgtgtcta	tgaagagga	gtcgaggcta	accttttgac	agggagcctt	420
gctgtgtatc	gtcccattgg	tccttctgct	gtttggaccc	aagattcgcg	ccaggagcaa	480
atttgcaagt	gtaagtgtcc	acaatacatt	cggctggggc	caactaattg	taccaggaac	540
ttgcacacta	gttcattata	a				561

<210> 4620

<211> 432

<212> DNA

<213> A.fumigatus

<400> 4620

attgcctcc	ccgcattccc	ccagactggg	tccccaaagt	atagtcccag	ggattttaaac	60
agggagaccg	cacctcacct	cacctcaaac	aatcaatca	tccatggcca	acacatacta	120
aatgcacaat	gctccgaact	ctcatccgca	cagcaciaaac	aaccacgaga	ccccccgtct	180
acctctacac	acccgtcctc	actcgctccc	tccatccccg	gccccaatccg	gacgagctcg	240

accgccaaac	cctccaccct	gaacgagccg	aaaacaccca	gtctgggacc	gacgacgctg	300
tgcacaggca	cacctcctcc	tatgaccctt	cgaccaccac	tccagagacc	gaatcggagg	360
cgctcgaggc	cgaatgcaag	ctcctcggcg	aggtggatcc	cttgttcttc	agcgcagcgc	420
accgcgaggt	ga					432

<210> 4621

<211> 1110

<212> DNA

<213> A.fumigatus

<400> 4621

tctgatagct	gggctatcat	tcaagcactg	tgggtggatcc	tcatcatgcc	tgaccgccgc	60
ctgtcgcaac	tgctcaaata	gaagcttctg	cgccgatcat	cgaccacggc	tacgacctct	120
ccgaaacaga	accagaaacc	cgtaaagcgt	cagaaaaagg	cgcccgctcg	ggcggatccg	180
cttgctcgacc	ccaactcaac	ctccgacctt	tectgttctc	tgctctctca	tcttttgacc	240
tctaacgaag	gagaggggtga	tgccaaatcc	cgtgcctaca	gcataatttc	ctccataccc	300
ctcgaccatc	ccagttcccc	cgacgagatt	cctggctctg	ctactgggtc	ctcagcaggc	360
tgcgaaacagt	acttcaccca	cttcgaccga	tcgggcgcaa	actcacgtca	agaaggatcg	420
cagaacgggtt	caattcagca	gtctccgaca	ttcacgagga	cccttcggca	caagcaactg	480
accgagggaaa	aaggcaaggg	gaagttacaa	tgcggggagg	gggatcaaag	aggcgaatac	540
ggataccaac	gtatccggaa	tgactccaac	gactccgatc	ctcagtacag	cttgaccaca	600
gaacttgcca	ataagccctc	tacaccacag	actcccgctg	gcgacgactc	gtacattca	660
ccgtcggcga	cccctcttcc	ccttttcgct	tctctgccag	gaccactggg	cgcaagctcg	720
cttcaagcag	catatcgacc	agtccgagaa	aattccagcg	tgccactagt	cgaatctcaa	780
ttgactccgt	ccttgggtgc	tgtcgccgag	gactcttctg	gagaatctgc	atttcatttc	840
gtgggcccctt	cgtcgtcgtc	cccgtttccg	aagcgccccc	ccttgggggtt	ccgccgtcag	900
tcgctttttc	cagcctcaca	tcaacacttg	atcagtggtc	ttatgggttt	cgggccttat	960
cagaacctcg	gccagggcag	cggtcaccct	tccacagtea	acgctgatat	gattcctcga	1020
aaagtatggg	tcaaacggcc	agggggctcg	gccaccctgg	taccgaccat	ggaagattcg	1080
cttgtagacg	agctgcgcga	tccagggatc				1110

<210> 4622

<211> 189

<212> DNA

<213> A.fumigatus

<400> 4622

gaaaaaaagg	tccacgggga	ccataagatt	atccacctaa	aacatcctat	actctgctcc	60
actgaatatt	ggacctcgca	catcggacac	ccagcaatct	atacttctat	gacctccgcc	120
gtctccacca	acgaattata	tacatacata	cgatgggcga	gctccgcacc	aaactcaagc	180
gaataactga						189

<210> 4623

<211> 480

<212> DNA

<213> A.fumigatus

<400> 4623

tgtcgaggat	tggtgtcagg	ttgttatagt	ttgccgaaga	tcttaaccgc	ctctttaatg	60
ggcttctggg	tcttctcgcc	tgattcgccc	gcccggctac	cgaagacgag	ttgcgcgatg	120
aggcgccact	ccgaggggat	gtcccattgg	tggcggaacg	gggccgtcga	tgaaggggggt	180
gtaacgtttg	acgttccgcc	cctcttccct	accgtgtttc	tatcggtctc	gccaacctgg	240
cttccccatt	tcgattctta	tctttttctc	ctagaccgat	ctgtctgcgc	agactggcga	300
tctatcagca	ccagcgagca	cctcggccct	agctgcacta	tcgactgcct	acttatacct	360
tgtatcggtg	acgttccctat	cgaatggcct	acgtatgcgt	tgtattcaga	agagtactgc	420
tactctacta	cgcgccagctt	caccaatcct	atcgtcgact	ctgatcgtag	tactgtctga	480

<210> 4624
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 4624
 gaatcgaaat ggggaagcca ggttggcgag accgatagaa acacggtagg gaagaggggc 60
 ggaacgtcca acgttacacc ccttcatcg acggccccgt tcgccaacca atgggacatc 120
 cctcggagt ggcgcctcat cgcgcaactc gtcttcggta gccgggcggg cgaatcaggc 180
 gagaagaccc agaagcccat taaagagcgg gttaagatct tcggcaaact ataa 234

<210> 4625
 <211> 393
 <212> DNA
 <213> A.fumigatus

<400> 4625
 ctggagtatt cagactcgat cctatggccc ctccttcatt accaccccg gtagatcggt 60
 ttcgacgaag gcgcttggga tgcctaccgt gaggccaacc ttttattcgc caaaacaatt 120
 gtaaaggagg cgcaagacgg cgacctgatt tgggtacaag actatcatct catgcttctt 180
 ccagaattgc tccgcgcgga gttacgggcg gcgggcaaaa aagataacaa aatcggcttc 240
 ttctgcata caccttttcc cagcagtcaa atatacagaa tcctaccggt gcgaggccag 300
 cttctgcgtg gtgtgttgca ctgtgacttg atcggcttcc acacatatga ctatgcacgt 360
 cacttcttga gcagctgctc acatctactg tag 393

<210> 4626
 <211> 450
 <212> DNA
 <213> A.fumigatus

<400> 4626
 ttgcgccccg ttcgtccttc cagccccgtg gttaagacat atgagttctc catgtcatcg 60
 ggtggtcttg taactggttt gagtgggtctg tcgaaaacaa ccactttcca gtggtacggc 120
 tggccaggtc tggaagtcc agaggatgaa cttggatcgg tgaaaaagag attgaaggat 180
 gagttcaatg cgactccggt tttcatggac gacaagttgg ctgatcgta ttacaatggg 240
 ttttctaagta agtggccacc accaacaacc tatcacagtc cgcgcctggc ggtgtgagag 300
 cgacaacatc aacaatccat tgctgactgg agtattcaga ctgatccta tggccccctc 360
 ttcattacca ccccggcgag atcgttttcg acgaaggcgc ttgggatgcc taccgtgagg 420
 ccaacctttt attcgccaaa acaattgtaa 450

<210> 4627
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 4627
 ttgctaattg cgctctatag aggcttggtc acgactccga gcagtgtcaa atatgaaggc 60
 agatccgttg ccgtaggcgc tttccctatc ggaattgatc cggataagtt caccgacggc 120
 ctgaagagcc ccaaagtgca aaatcgcatc gcaagtctcg agaacaagtt ccaaggcacc 180
 aaactaatgg tcagcggtga ccgcttggac tacatcaagg gtatcccgca gaagttacat 240
 gctttggagg tgtttcttca gaaccacccg gagtgggtgg gcaaggctcg ccttggtcaa 300
 gttgccgttc ccagtcgaca ggatgtagaa gagtaccaga acctcagagc ggtggtgaac 360
 gagctcgtgg gacgtatcaa tggcaaattt ggtaagagag acccccttgc tcaagtgcgc 420
 tga 423

<210> 4628

<211> 351

<212> DNA

<213> A.fumigatus

<400> 4628

tggtcacatcg	ctgataccct	cacccaaaca	ggtactgtgg	actacatgcc	tattcacttt	60
atgcacaagt	cggttagttt	tgatgagctc	atcgccctgt	acgctgcctc	cgatgcctgc	120
gttgtctcct	gtacccgaga	cgggatgaac	ctggatcat	tcgaatacat	tgcaaccag	180
cagaagcgca	aggggtgttt	gaccccttcc	gaatttgag	gagccgctca	aagtctcaac	240
ggcagcctcg	ttgtcaaccc	ttggaacacc	gaagagctcg	ctagagcgta	tcatgaggct	300
gtttcgatga	gtgatgaaca	gcctcatgat	acgctctcag	cgaggtctta	a	351

<210> 4629

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 4629

gagggtggaa	gagtgaagtt	tttcccaggt	ttggaacgag	ggaattggaa	gaacttgaga	60
ggaaaaggccc	ctaattggtcc	cgaattagcg	cctttcatta	aaagagttgg	cccggaaacat	120
gaaagggaag	attggcggtat	gaggcccttt	gggaaacatg	cagaggagac	aggcgaagcg	180
gatgacgact	tgggtctcga	taagggtctc	gatgaagagc	tggaacaat	gctcagggaa	240
gagtttgaag	gcatggcaat	ggaggaagaa	aattggctgt	cagaagtggg	ggaggaaggc	300
tctacagaag	caccagtgcc	gagacagccc	tacgaagtga	ccttgaacga	cgcagaatct	360
catccttacg	tcgacaagct	aaatgagtgt	ctcagacgat	tgaatagtga	cccttctgat	420
gaacgcgcta	aacaatacct	gtggaagtgg	tatcgccgct	gtcgacaagt	tattcccaac	480
ttcctccaat	cgattcctga	agaggcattg	accatgatgt	gggagtctca	ggcgaatgga	540
gatttgacac	gggcttccc	cgcgactcga	ttacaagctc	tggttgaaga	cgccatttcc	600
gctggaagat	ctcttgctac	gtcccgtacc	cttgatata	tacagtgcgt	tcaggaaagt	660
ggcaaaacaa	acctggcact	tgaccaatgg	gaggcggtgc	agacatccct	ttcccagagt	720
aagggaagacc	ttgaagcata	ctggaaaactt	ggtgtacagc	tcttcgcggc	cgcagatgac	780
ccgcagcgag	ctcaagatat	tgcccttagcg	ttcctggcca	atgataaatc	acgcgagcct	840
cgcacctctc	ttccggtcat	cacagcctgg	ggaagacaac	ccgggagaga	agccgaagtc	900
aaggcatggg	ctttataact	gcagctcaag	gcattgctag	agtccaaaat	gaagatggaa	960
gactatgact	tcgttagcat	tggactactc	aaggcgggca	aactcgacct	tgccattgcc	1020
gttttcaagg	acatgatggg	aaccgctcaa	gatccagcaa	acgactctgc	tgctctttat	1080
aaggctgctc	tggttctagt	aggtaatctg	cagatgtcca	gcattcgagg	acaggacgtc	1140
aacaagatat	cgctttcgac	tctgactgtt	ttacctcggc	ggtttcaaaa	cagatttttt	1200
tacgcaagct	ggataaagaa	gcttatcgga	atgggcgagg	tcgactccgc	tcgatgggtg	1260
attgagctga	tgtatgaacg	gggtgtcaag	ccagactcta	agcacttgaa	tggattactc	1320
gctgcagtct	tcaccacggg	gctggaagga	tccagcgctc	tcagtttag		1368

<210> 4630

<211> 420

<212> DNA

<213> A.fumigatus

<400> 4630

ctaaccgtac	gaggaccttc	ggctcccttg	gtgaagatca	aggggagttt	gcattctatt	60
cttgtcaaca	ccgtatcatc	cgaagccgag	gtcgagcagg	cgaagaagat	tatcgagact	120
gctcgggaat	acattcttgc	catgtctatc	gaacttgaac	gccgctccct	atcaacggat	180
acccccgaga	acctcaagag	gagtcctcag	ctctctgcct	acttcacccat	cccaaagcta	240
gaggtcgctc	atcgctcagct	tgactgatg	gctgcaatga	agcttgcggt	tgccaacaag	300
aacttttctg	ctgccttgag	ctttgccaac	cgtatgttgg	ccaacgggtg	ctcggctaag	360
cttcttgatc	aggtaagcct	tttgcgcttt	tgcaaactcg	tgtgttctat	acgataactaa	420

<210> 4631
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 4631
 gccaaagaaaa tcaaggcaca gtgcgagcgt agcccgcaag acaagatcga tatcgagttt 60
 gaccagttcg ccgaatttga catctgcgcc gcctcattca ctccatatcta cggcggttct 120
 cctagcgtgt cggatccttt caccgggtgcc aagtatcatg aacagtacaa gggtagccgtg 180
 tgtcggatat ctgaagtgac ggagattgga gcaccggcta gcggcctacg tctattcggt 240
 cccagccagt ag 252

<210> 4632
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 4632
 tgggaacaat caaccggctc ctggaattct gctcatattc gtcctatgct ggacttgaga 60
 catggcggcc tcaggccata taccctgaag agtagtcctt tcccaaagaa acatcccatc 120
 atggtcttag gcagctccta ttatcaatgg ctgctagata gcagtttatt tgcagttaac 180
 cacttcaaaa aagcaagccc tgacctgaga gaaacaatgc attacatctg tctagtgacc 240
 attcacagag acatcaccat atga 264

<210> 4633
 <211> 183
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (13), (175)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4633
 tggccgttat ttntagaaca ttccaataag atgcacttcc cgggtatttga ctttctgacc 60
 ttaggcacca ccaatttcga tcaagtgacc aaggccaacc aatgcttggg tatcattaat 120
 cttcattgga aggggtgagg agattatgac cggaggttta gcgttggact gctantgcca 180
 tga 183

<210> 4634
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 4634
 cttccggggc ctgctttcgc cacattttctg cacctgtctc ctgctctggc cctctttctc 60
 tctccctctt tacttgcggt cggctctcatc gtccggcgctc cccctctctt cgtcctctc 120
 tcagtctcac cctggcgctc cctccctcgg ctctttccac ccccccttc gggcatcttt 180
 gctttctctc tctctcgcaa cctccttttc ccccccttc tctcttaacc cttcattttc 240
 cttcttgctt tcgcaccgtc cccctctccc cttgcctgcc tctccctctt cgtccctctt 300
 ctgccccctc ttcattctcg tcctctattt tcccgcctct actag 345

<210> 4635
 <211> 582

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222>

(34), (35), (36), (37), (38), (39), (40), (42), (43), (44), (45), (46), (47), (51), (52), (53), (55), (56), (58), (60), (61), (63), (64), (65), (66), (68), (70), (72), (73), (74), (75), (76), (78), (85), (86), (89), (96), (99)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4635

acaccgatat	tgtataacaa	tacaggtggt	tgcnnnnnnnn	gnnnnnnnggt	nnnannncnn	60
ncnnnnncnn	cnnnnngngt	tgganntcng	gaccgncnc	ccccacacc	cccagcagcc	120
aaccgaccgg	ccacaccggt	ccagccccag	catcaccccc	ccccggcgag	ccccggtcaa	180
accccgcgcc	tactctcact	gactgtatct	gacttcgggg	ccctgctttc	gccacatttc	240
tgcacctgtc	tcctcgtctg	gccctctttc	tctctcccc	cttacttgcg	ttcgggtctca	300
tcgtcggcgt	ccccccctct	ctcgtctctc	tctcagtcct	accctggcgc	tcctccctc	360
ggctctttcc	acccccccct	tcgggcacat	ttgctttctc	tctctctcgc	aacctccttt	420
tccccccct	tctctctta	cccttcattt	ctctcttgc	tttcgcaccg	tccccctctc	480
cccttgccctg	cctctccct	ctcgtccctc	ctctgccct	ccttcctctc	ggtcctctat	540
tttcccgctc	ctactagcat	ggttctcccc	atctctcttt	ga		582

<210> 4636

<211> 702

<212> DNA

<213> *A.fumigatus*

<400> 4636

ttggagaaac	ctggagtctt	gtttgccttc	agtcattgat	ggtgtcgttc	tcggagggtta	60
agccattcgg	tttccatacc	aagaagtttg	gaagcatctt	gtaccgacta	ttttagggtt	120
gtctccatct	ccactctctg	cccctcgtt	gggtggccac	ctccctacct	cttcacatcg	180
gccgacctcg	gtctattcac	ccttagcagc	tttatcggca	tcatcattgc	cttccccatc	240
gctggccctc	tcaccgacta	cgtctcgcaa	tggctacgtc	gccgcaacaa	taacatccac	300
aaaccggagc	accgcttccc	agccctcctc	gtcccccttc	tcctctgccc	ccccggccta	360
atcatattcg	gctactcctt	cgcaccaccag	cgacactata	tcggccccgc	cgcagggtgca	420
gtctgtctcg	ccgctctctc	cactctcgtc	ccctcgggtc	tgctctcata	tgctcgtggac	480
tcgtacccgc	gcacgagcgg	agaggcgtcg	gttctgggtc	acgcgtccaa	aaacgtgggt	540
gcctttgggc	tggccaaggg	atcgtactcg	tggatggcgc	tcgtgggtgt	tgacaagatg	600
ttttacgagt	ttgcgggtat	ccagtgggca	gtgattgcat	tggcgcttcc	cttgtactat	660
gccggctcct	ggattcgggc	caaaacaacg	aactttgtgt	aa		702

<210> 4637

<211> 1173

<212> DNA

<213> *A.fumigatus*

<400> 4637

agatttccaa	gggggcgtaa	tggcgcagac	aaaaggtatt	tccgcccgga	gaatttcggg	60
tatccacggg	gtacaggcca	ctgggcgtct	ggtaatcaaa	tagtcgatct	ttgggatgcc	120
aaagccgtga	tctcgacgat	tgaactcgag	gagaacgagg	ccgcgttcag	catggcagcg	180
gtacctttct	cgagtcagga	ggatgaggca	tttttggtgg	tgggaacggc	taaggatatg	240
attgtcaacc	ttccctcgtc	agcgggaggt	ttcatccaca	tttacagggt	tcaagaagat	300
gggaaggagc	tggagttcat	tcacaagacg	aaggtggaag	agccacctct	tgctctctc	360
ggattccagg	gacgtcttct	tgccggcatc	ggctctacct	ttcggatcta	tgacttggga	420
atgaaacagc	tgctccggaa	atgtcaggct	cagggtggtgt	cgaagacgat	tgttgggctc	480

cagacacaag	gtagccggat	tgttgtcagc	gacgttcgcg	aaagcgtgac	gtatgtcgta	540
tacaagtacc	aggataacat	cttgattcct	ttcgttgatg	attccgtttc	tcgctggacg	600
acgagtacca	ccatggtaga	ctacgagact	gttgccggtg	gtgacaaatt	tggtaacctc	660
tggtctcgtc	gctgtcccaa	gaaggcctcg	gaggaggcgg	atgaggatgg	atcgggagcc	720
catctgattc	atgagcgcg	ttatctgcat	ggcgaccga	atcgctgga	tctgatgac	780
cacacctaca	cacaagatat	cccgaactagc	ttgcacaaga	cacaactcgt	agcagggtgga	840
cgggatatacc	ttgtgtggac	cgggttttcag	ggtacaattg	gcattgcttg	gcctttcgtg	900
agccgcgagg	atgtggactt	tttccagaac	ctagagatgc	aactagcatc	acagtgcoca	960
cccctcgccg	gacgggatca	tctcatctat	cgcagctatt	atgcaccagt	caaagggtgtt	1020
attgatggag	atttgtgcga	aatgtatttc	ttactgccta	atgacacgaa	gatgatgatt	1080
gcagcggaac	tggatcggtc	cgtcagggag	attgagcgga	agatctcggt	aagtcagcca	1140
tttcccactt	tatttctgaa	attgtgccac	taa			1173

<210> 4638

<211> 1005

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (955), (958), (969)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4638

tcagcatttt	ctgcggcaca	aacgcagggtg	gaatttcctc	ctgccagtca	attactagag	60
atggatccta	cgcgttccgg	gtcctttgtg	ccaccacttc	cagaaccggc	tgcagagtac	120
gacaagaagg	gttctctatc	ccactctcag	catcttagct	catcatgttc	atcgtcacta	180
tctttacagc	cgcccagaaa	cgtccactcc	ggtcaagaat	gcatacttga	tccgccactc	240
tccagcgctc	ttcgaccgtc	tccaatgaat	acacctcggtg	ggctgaaaac	ttcgctttct	300
ggccgctcgcg	aactaggcct	cattcccata	acaggccccg	ctccgccgaa	gttcacaaca	360
gactcgccag	ctaagaggac	cccatgtacc	acatattcat	gcaactcatc	ttcatcttcg	420
gcaatgccac	aatctgccc	attcacgacc	tttcccagcg	ccaacaatgg	aaaacagtca	480
tccaaggaga	agagacaatt	ggctgaatct	tgcaatgaca	acttcgctga	ttttcctgaa	540
ccatcttttg	catcgaagcc	tctgaagagg	accctcatgg	atgctgcccc	attgaaagag	600
cgaacgatca	agaagcagaa	acgcgaagac	gtcgatgtta	cgcgacttcc	gaacctgag	660
gagatgtccc	ccattgaaga	cgatggcaca	aagcctcctt	acagctatgc	gaccttgata	720
ggaatgtcta	ttttacgtgc	gcctaaccga	cggttgactt	tggtctcagat	ttacaaatgg	780
atctcagata	ctttttctta	ttacaaacac	agtgatcctg	gggtggcagaa	tagcattcgt	840
cataatctca	gtctgaacaa	agcttttatc	aagcaggaac	ggccgaaaaga	tgacctggc	900
aaggggaatt	actgggccat	tgaaccagga	atggaagctc	gacctcttag	ggctntcntt	960
gagtgtctng	acaagccgag	atcgaagagt	acggtttggg	gggaa		1005

<210> 4639

<211> 258

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (87), (95), (125)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4639

agcgttggtc	tataccatgc	ttggtgttgc	cgtggtcggtg	accagcgag	gcgttgtata	60
ctaccttcgg	actcgcccc	gactccncca	gcacntgctc	ccccagaaaa	gaagaagagc	120
caganccagc	gacgcaagga	gaagaagaag	gcggaggagg	aaaagaaggc	aaagaacgcc	180

accgttcaag agggatatgct aaatccaacc gcgttctgcg caccctctaa accgagtatc 240
gagctgataa cggcctag 258

<210> 4640
<211> 480
<212> DNA
<213> A.fumigatus

<400> 4640
ccggttttag gcaataagga tgctgcagcc gacgattttg agctcgccat caccacacaac 60
aaggacgacc ctgatatcta ttaccaccgt gcccaactcc acttcattct tggagaattc 120
gccgaagccg ccaaggacta tcagaagtcg attgacctcg accgcacctt tatcttctcg 180
catattcaat tgggtgtgac acagtacaag atgggctctg ttgcctcagc catggccaca 240
ttccgtcggt ccgtgaagaa tttcaggagc gtaccggatg tctacaacta ctatgggtgaa 300
ctccttctag accagcagaa tttctccgag gccattgaga agttcgataa ggcagttgag 360
atggagaagc agagcaagcc aatgggaatc aatgtcctac ccctgatcaa caaggctctt 420
gcgctgttcc agcgggaagca tgacgtgttc accaaaagca gccggaagga tccgacataa 480

<210> 4641
<211> 858
<212> DNA
<213> A.fumigatus

<400> 4641
tcgcacccctt cctgcttctc ctggcgctccg ctgctcgaat gctcacaatt gttattgcag 60
acccggaag cttacgctgc caagctcaag gctgctggaa acaaagctta tggctccaag 120
gattacaaca gagccatcga cctctacgga aaggcgatca tttgtaaacc cgatcctgtc 180
ttttactcga accgcgctgc ctgctacaat gtcctttcgg agtgggaaaa ggtcgttgag 240
gacacgacag ctgcactggc aatggatagc gagtacgtca aggccttgaa caggagagct 300
attgcatacg aacacctcga gaagtacagc gagggccttc tcgatttcac cgccagctgc 360
atcattgacg gattctccaa tgatgtcagc cgcaacgcgc tggaaaggct tctcaagaag 420
gtcgcagaga ggaaagccaa ggctatcttg gaagccaagg gtcgcaaact tcctagcccc 480
accttcgtgt ccaactacct ccagagcttc cggccccagt ctctccccga aggccttgaa 540
gagtcgcgag atctcagtga ggagctctggc aaaggctcagc ttcgcaaggg tctggctgca 600
atgagcaaga agaccggtga cggctacgag gaagctgctg ctgctttcga gaaggccttg 660
gaactcgggtg atctgggtga atacgaagcg ttggccctca acatgagagc cacctttaca 720
tacctcgagg gcaacgctca gtcggccctg gctgatctta acaagagtat tgagttgcag 780
ccatcactgg tgcagagtta tatcaagcgc gccagcttac acctcgagct tggtaagtac 840
atgccgtctt tattgtga 858

<210> 4642
<211> 285
<212> DNA
<213> A.fumigatus

<400> 4642
aggccattta aaaccttccc atggactttg ggggtcgatt tacaaaatca agaaaatttg 60
gttaaatcaa aagtaaaatt gatcttagtc agtaaacaaat tgattgatgg aactgcaagc 120
aaactatacc aagttaggcc actaaagaag tcttacccaa gttatcttag cctccgtgga 180
tctgtttgtt atgtcttaga tttggcagac gctaacatac aaacagcctg ttctagtctt 240
ccatctcttc taattaatat tactacaaat atgatactat catga 285

<210> 4643
<211> 213
<212> DNA
<213> A.fumigatus

<400> 4643

atagaaaaaa	catcaatcac	aactaaccga	ctccgaacca	ttatgacctg	ggatctcaac	60
attcaacaac	cgaaaaaaca	aggtagtgtg	ccagactatc	ttagcttccg	tgatgtgtac	120
ctgacccaga	agcaaaactcc	ggttcgttcc	atgaatttta	actttctgga	cgggatcgct	180
gctcagtgtc	gccgggaacta	ctccatatct	taa			213

<210> 4644

<211> 855

<212> DNA

<213> A.fumigatus

<400> 4644

taccgctaca	gttctgggtc	cgctcagaag	acaagattca	gagatcttat	cactggcgccg	60
cgcacccaac	atttcgcgcg	tatgctcatc	ggctcctctt	cccagatctt	ccagcagctc	120
ggcgggttgc	acgctgtgat	ttactatctt	cctgtcttgt	tgaaggagtc	tctgcaccag	180
agcaacgaca	tggccttgct	gatcggaggc	attaacatga	ttgtgtactc	cctcttcgcc	240
accttctcat	ggttctccat	cgagaagatt	ggtcgtcgca	agcttttcct	tggaggctca	300
ttccttcaga	ctatctcgat	ggttatcaca	tttgcttgct	tgattcctgg	cgatgaacag	360
acttccaagg	gtgctgtttt	cggctctttc	ctgtacatgg	ccgccttcgg	tgctgcgtgg	420
ctgcctctgc	cctggctgta	tccggcgcaa	ttgtctccca	tcaagactag	agccaaagcc	480
aacgctgtct	ctacttgcag	caactggctc	tttaacttta	ctgttgtcat	gatcactcct	540
gtcatgggtg	cgcacattgg	ctgggggtacc	tacctgttat	ttgctgcgct	gaacgcctcg	600
ttcattcccg	tcactctggc	cttctaccca	gagaccgcca	atcgcagtct	ggaggagata	660
gatttgatct	tcaccaaggg	ctacgtggag	aacattagct	atgtgaaggc	tgcgagagag	720
cttcccaagc	ttatcgacga	tgaaattgag	gccaaggcgg	cagagtatgc	tttcgcctcc	780
ggtgactctc	ttgacgagat	cgagaaggct	cacgctgagc	ataatgctgc	ccagcgattg	840
gagacgaccc	agtga					855

<210> 4645

<211> 552

<212> DNA

<213> A.fumigatus

<400> 4645

tttgcagggt	gcatgggtgg	tgctattttc	gccatttttt	tcgggtgatcg	cactggcccg	60
cgctggatga	tcttctcagg	cgctatcggt	atgattgtcg	gtgtcatcat	ccaggttact	120
tcatttggtg	gacacatccc	ccttctgcag	ttctttattg	gccgtgtcat	caccggatc	180
ggaaacggaa	tgaacacttc	taccattcct	acataccaag	ccgagtgtct	caagacaagt	240
aaccgtggtc	tcttgatctg	tatcgagggt	ggtgtgatcg	ccattgggtac	cgccattgca	300
tactggattg	atttcggcgc	tcactatggc	cccgatgacc	ttgtctggcg	tttccccatt	360
gcggttcaga	tcttcttttg	tctaattatt	atcatcgga	tggtcttcc	gcccgaactc	420
cctcgctacc	ttatctccaa	ggatcgcatc	caagagggag	agtacgtcct	tgctgcgctg	480
gcaggccgcg	aggtccacga	tcatgaaacc	cagattcaga	aacaatcggt	cattgagtc	540
atcagagcgt	ga					552

<210> 4646

<211> 762

<212> DNA

<213> A.fumigatus

<400> 4646

aagcaggtgc	agagttgttg	gtggagacca	gaatgggggg	attctgccgt	gagtatggct	60
ctacgaagcg	gacaggaagc	tatcgcgaca	tttcttgcat	accacgggtc	tctcctgctt	120
cgtggacagg	ctgggcgtcg	cgcctccatt	attgcctccc	ggagaggatt	acagcgctta	180
gtgcgccgtc	taacgggtgta	ttatgaagcc	attgctggga	ggcctttgca	tcggcagtcg	240

tcgaggattg	tgagcggact	acctgagatc	cctgaaatac	cgtgggaacg	accatcttat	300
ttccatacag	aaagtgggga	aagagatgag	gtctcgttcg	cagaactcat	ggagcaatat	360
gatatccaga	ctggctttca	tcagcgatac	cacatgatgg	agcaaatcgg	gaaagggcat	420
ttcgccactg	tgaatctctg	ctccaacaga	gtgaccggcg	tattatttgc	ggtcaagatg	480
ttccaaagtc	ataggcctcc	ctcatcctcg	gattttgaga	gcttgcatga	tgagattcag	540
ttgcttcgcg	aactccagaa	gcattctcat	ccaaacctca	tgaggatggc	tgatctatct	600
gcagacttcg	agaagaatag	gatctgcctc	gtcatggacc	tcgggaagga	aggggatctc	660
tttgacctta	ttgttgcgaa	gggaaagttt	accgagactg	agacacgagt	cctcttcact	720
cagttgttat	ccgctatcaa	attcctcgtg	ggtcctttat	ag		762

<210> 4647

<211> 450

<212> DNA

<213> A.fumigatus

<400> 4647

atgtggcgcc	ggagggctct	ccagacgtct	cgcagccgtt	catacggttt	tggagtggac	60
gtgtggctct	cggcggttgt	cttatacatc	tgtttgtctg	ggtttcccc	attttctgac	120
gagttgtaca	ctgaagagaa	cccgtatact	ctcgcaaac	agatcaagat	gggtcaatat	180
cattatccat	cgccgtactg	ggattccgtt	ggagatcctg	ctctggatct	cattgatgca	240
atgtgactg	tagatgtgga	caaacgtgcg	acggccgaag	aatgcctcgc	ccatccatgg	300
atgtgcaaag	aatctatatc	accagatggt	gccacagatg	ctagtatggc	cctccctctg	360
gacattcgga	tggtgcagct	aatgccgaaa	caggtcctag	atagcgaagg	gagtgcgctt	420
acaactggat	tacagccagg	caccatttaa				450

<210> 4648

<211> 456

<212> DNA

<213> A.fumigatus

<400> 4648

cacgaccgtg	gatgggtcca	ccgagacgtc	aagcccagaa	atatacctgt	tatggacaag	60
aaccttacga	tccagctaag	cgactttggg	ctggcaaaaa	agctccctac	cgactcagga	120
tccgaagagt	tggcatcgac	tttgtgtgga	actccaagct	gtatgttata	tacttcgtgt	180
cacttattcg	caattgctga	cccatctaga	tgtggcgccg	gagggctctc	cagacgtctc	240
gcagccgttc	atacggtttt	ggagtggacg	tgtggtcctc	cggcgttgtc	ttatacatct	300
gtttgtctgg	gtttccccc	ttttctgacg	agttgtacac	tgaagagaac	ccgtatactc	360
tcgcacaaca	gatcaagatg	ggtcaatatc	attatccatc	gccgtactgg	gattccgttg	420
gagatcctgc	tctggatctc	attgatgcaa	tgctga			456

<210> 4649

<211> 561

<212> DNA

<213> A.fumigatus

<400> 4649

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atgctcctct	tctcgaacaa	caagtgcgat	ggcaagccaa	gtgggcaggc	caccgagatc	120
ttctccaagg	cgtcttccca	ggatctgctc	ggcttccagg	tcgtcgctct	ttccaccgag	180
ccgacggcaa	ccgccacgac	tgggaaatct	gtcagccgag	ttgcgacgac	gttcccggct	240
agtgcgacgg	cgtcaacagg	cgccagcgat	gacggctcga	tgacgattca	acccacggat	300
aaaatgacga	ttcagccagc	gggtgagatg	acgatccagc	cgacggatga	gatgagcacg	360
actgcggctg	cgactgcgac	tgcgactgcc	accacaactt	caactccaga	aagctccagc	420
acagcgtcgt	cgacgacttc	gagtgcgtcg	agcggaaacta	cctccaatgc	tgctggccag	480
ctggtcgctt	tgaacgggga	tacgggtcaag	gggatcattg	gtactgtctt	cggattgggg	540
ctggtacaat	ggattatctg	a				561

<210> 4650
 <211> 585
 <212> DNA
 <213> *A.fumigatus*

<400> 4650
 aggcctcacg ctcaaggatg tcaatcccaa acgcctctcc ttctaccggg attggaccct 60
 cctccaactc aacacccttt tgctgtgtgc cctcctcacg caaatcgctt cgggatacga 120
 cagcagcatg ctcaacggca tgcaggccct cccgcaatgg aacaagtact ttggcaaacc 180
 aaccggcacc cgtttcggcg ccatgacgtt tggcccaacc ggtggcatcc tgatctccgt 240
 gctggtctcc tcccagctgt gcgagcgctt cggccgcggg taccctatct gcggcggtct 300
 gctcatcatc atcctgggct cgatcatcca ggcgcgcggc gtcaactacg gcatgttctg 360
 ggtctcgcgc ttcttgggtc gcctgggggt gggcatcgct gctaccgccc ccccgctct 420
 cctgaccgag gtgcgctacc cgtcccagcg aggcaagctc gtctccttct atctcaccac 480
 ctggtcgctg ggtccctca tcgcgcctg gatcacctac ggcaccttca agatgaccga 540
 tcgccgctgt cttacacgac ggggctggaa ggtagcgcgt cccgc 585

<210> 4651
 <211> 708
 <212> DNA
 <213> *A.fumigatus*

<400> 4651
 gcccatacag ctcttgcgga cctgtcgacc agcaatccac cagcagaatc ggccgtccgc 60
 cagaccgaca cgatgacttc tcaccacgat cgacaggaga gaccagacga ggacaacttt 120
 gaaggcctca cgtcaagga tgtcaatccc aaacgccttc ccttctaccg ggattggacc 180
 ctctccaac tcaacaccct tttgtgtgt gccctcctca cgcaaatcgc ctcgggatac 240
 gacagcagca tgctcaacgg catgcaggcc ctcccgcaat ggaacaagta ctttggcaaa 300
 ccaaccggca cccgtttcgg cgccatgacg tttggcccaa ccggtggcat cctgatctcc 360
 gtgctggtct cctcccagct gtgcgagcgc ttcgccgcc ggtaccccat ctgcggcggc 420
 tcgctcatca tcactctggg ctcgatcatc caggccgcgc ccgtcaacta cggcatgttc 480
 gtggtctcgc gcttcttggg cggcctgggg ctgggcacgc tcgctaccgc cgccccgcct 540
 ctctgaccg aggtcgcta cccgtcccag cgaggcaagc tcgtctcctt ctatctcacc 600
 acctggtcgc tgggctccct catcgccgcc tggatcacct acggcacctt caagatgacc 660
 gatcgccgct gtcttacacg acggggctgg aaggtagcgc gtcccgc 708

<210> 4652
 <211> 855
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (852)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4652
 gaccctccaa ccgagtatcc ggagttcgtc cctcaaaaag gaccctcgac cgggcgctat 60
 gtctctcgcg aatcctcctt gtggacctgc ggcttcttcc ccgggctctt gtacgtcctc 120
 ctcgaaaggg ccattcaata cccctcggcc tttccatacc tgggacaccc tcacagcctc 180
 gatccagcca gcctgcgcga ccacctcgtc gccctctgca ccaaattggac cgcctccatc 240
 taccgatgtt ccctgcgaac cgacacccac gacctcggct tcatcctggc cccgtcgtct 300
 cgccgctcct gggaactcac cgccaatccc aacagtcttc gcgctctcct aacaggcgcg 360
 caaagcctcg cctcgcgctt cgtgcccgc accggcgcca tccgcagctg ggacgtcctc 420
 cgccagtccg acgtggacat cacctccttc gagaccgact gcctcgtcat catcgacagc 480

atgatgaacc	tcgatcttct	ctactacgcg	gcgggcgcatc	tgggtccgca	gctggcgggcg	540
attgcgacca	cgcgatgcgaa	gacctcctc	cactcccatc	tgcgccggga	gacgataccc	600
ggaacggcga	gggcggtta	ctccaccatc	cacgtcgtca	attttgaccc	cgccacgggt	660
gcgatcatgg	agcgccgcac	tgcgcagggg	tacgcggcgg	actcgacgtg	ggcgcgcggc	720
caggcggtgg	cgattaccgg	gtatgcgcag	acgtacgcac	ggacccggga	ccggcagttc	780
ctggatgttg	ccattgggct	ggccgagtag	ttcctcgcg	gactggaggg	ggcgccgcct	840
tgcgtaggagc	antag					855

<210> 4653

<211> 432

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (365), (379)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4653

acctgatct	tctctactac	gcgggcgcg	atctgggtcc	gcagctggcg	gcgattgcga	60
ccacgcatgc	gaagacctc	ctccactccc	atctgcgcg	ggagacgata	cccggaacgg	120
caggggcggg	ttactccacc	atccacgtcg	tcaattttga	ccccgccacg	ggtgcgatca	180
tggagcgccg	cactgcgcag	gggtacgcgg	cggactcgac	gtgggcgcgc	ggccaggcgt	240
gggcgattac	cgggtatgcg	cagacgtacg	catggaccgg	ggaccggcag	ttcctggatg	300
ttgccattgg	gctggccgag	tacttcctcg	cgcgactgga	gggggcgcgg	ccttgcggtg	360
agcantaggt	ggatggcang	agggtcggcc	ggtacgtgcc	gctgtgggac	tttgatgcgc	420
cggtcgacga	ag					432

<210> 4654

<211> 840

<212> DNA

<213> A.fumigatus

<400> 4654

ggcgggacgc	gctaccttcc	agccccgtcg	tgtaagacag	cggcgatcgg	tcatcttgaa	60
ggtgccgtag	gtgatccagg	cggcgatgag	ggagcccagc	gaccagggtg	tgagatagaa	120
ggagacgagc	ttgcctcgct	gggacgggta	ggcgacctcg	gtcaggagag	gcggggcggc	180
ggtagcgacg	atgccagacc	ccaggccgac	caagaagcgc	gagaccacga	acatgccgta	240
gttgacggcg	gcggcctgga	tgatcgagcc	caggatgatg	atgagcgagc	cgccgcagat	300
ggggtagccg	cggccgaagc	gctcgcacag	ctgggaggag	accagcacgg	agatcaggat	360
gccaccgggt	gggccaaacg	tcatggcgcc	gaaacgggtg	ccggtttggt	tgccaaagta	420
cttggttccat	tgcgggaggg	cctgcatgcc	ggtgagcatg	ctgctgtcgt	atcccagggc	480
gattttgcgtg	aggagggcac	acagcaaaaag	ggtgttgagt	tgaggaggag	tccaatcccg	540
gtagaaggga	ggcggtttgg	gattgacatc	cttgagcgtg	aggccttcaa	agttgtcctc	600
gtctggtctc	tcctgtcgat	cgtggtgaga	agtcacgtg	tcggtctggc	ggacggccga	660
ttctgctggt	ggattgctgg	tcgacagggtc	cgcaagagct	gtatgggctt	atgtaccac	720
cctgacgcgg	agaaaacctg	ggggaacatc	gggtcaattc	cggagtcaat	cgtccgctgg	780
cgtcgatct	ttcctggggg	ttctgatgga	ttcggggcgg	gcgaatgtgc	tcgggcgtga	840

<210> 4655

<211> 675

<212> DNA

<213> A.fumigatus

<400> 4655

acacgaatgg	tgactgatac	tggtgtagga	ccctccaacc	gagtatccgg	agttcgtccc	60
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tcaaaaagga	ccctcgaccg	ggcgctatgt	cctccgcgaa	tcctccttgt	ggacctgagg	120
cttcttcccc	gggctcttgt	acgtcctcct	cgaacggggc	atccaatacc	cctcggcctt	180
tccatacctg	ggacaccctc	acagcctcga	tccagccagc	ctgcgcgacc	acctcgctgc	240
cctctgcacc	aaatggaccg	ccccatcta	cccgatgtcc	ctgcgaaccg	acacccacga	300
cctcggcttc	atcctggccc	cgtcgctccg	ccgtcctggg	gaactcaccg	ccaatcccaa	360
cagtcttcgc	gctctcctaa	caggcgcgca	aagcctcgcc	tcgcgcttcg	tgcccgccac	420
cggcgccatc	cgcagctggg	acgtcctccg	ccagtccgac	gtggacatca	cctccctcga	480
gaccgactgc	ctcgtcatca	tcgacagcat	gatgaacctc	gatcttctct	actacggggc	540
ggcgcatctg	ggtccgcagc	tggcggcgat	tgcgaccacg	catgcgaaga	ccctcctcca	600
ctcccactctg	cgcggggaga	cgatacccg	aacggcgagg	gcgggttact	ccaccatcca	660
cgctgtcaat	tttga					75

<210> 4656

<211> 483

<212> DNA

<213> A.fumigatus

<400> 4656

acgttgacgc	tagttgatcc	gcttgacaga	acaaccgtac	tagaccccat	ttcgcgcttc	60
tgtgcgtact	tcoccgatat	caacgagtgc	attaagaagc	ggaaccacaa	attgctggac	120
tacgacgcca	tgagagcgaa	agtgaagaag	ttggtggaaa	agccagacaa	ggatgccacc	180
aagctgcccc	gcgcgggagaa	ggagactgag	atggccaagc	aagcatacga	gcagcttaac	240
gagcagctgt	tcacggaact	tcacagctc	atcgatctgc	gtgtgcccta	tttggacccc	300
agtttcgaag	ccttggtcaa	aattcaactc	cggttttg	ccgaagcgta	ttcacgcatg	360
gctcaggtgc	agcaatatct	cgacgccgag	acaagagatc	aatacgccc	cggcgatttg	420
gataacaggg	tagaagaagt	tctgcaagag	attcgggacc	tgagtatagc	ggggactgta	480
tga						483

<210> 4657

<211> 555

<212> DNA

<213> A.fumigatus

<400> 4657

acggaatccg	ggccgaagtt	ggtccgacag	ctcagtagct	ggttatcaac	aacacaatct	60
gaggtattag	ggcgagtgg	ccgccaaggt	gacgtcgc	tgcccgcgaa	cttcggcgat	120
tatgcctatg	gagcgaatgc	cgaatggcag	ctccgggggg	tagatcccc	ctcgtgaag	180
agtttccgag	cgacgctggt	gattttgcat	gatgaactgg	aagcgccgct	gggcaagggtg	240
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ggagcaaatg	ctggtctgtc	cattctgcgt	gtaggcgtgg	gcattggccg	tcctgcgaca	420
cgaacccgca	atgatgttgc	ggactatgtc	ctgactgaga	tgaatgcctc	cgaactggct	480
gcagtccgtg	cagctgcgg	cccagtcttg	gacattttg	cagatgagct	ctatcgagaa	540
tctaacgatg	actga					555

<210> 4658

<211> 465

<212> DNA

<213> A.fumigatus

<400> 4658

tcttgatag	gacgggtgtg	ctgtgcatca	tcctctgcat	tgctctcgga	atcgcgaaaca	60
tcttctcttt	cgctgttttg	cgcacatcat	tcagcgtact	atgcctgtat	gccagtccta	120
ctgagcaaca	ctctggacag	tggaaactgac	gatcttagta	tctcgggatt	gatcctcatc	180
ttcattgaag	ttcctttctt	gctgagaatt	tgcttacctt	cttccaagtt	cgatgcattc	240
attcggcgct	tcaccaccaa	ctggatgcgc	gctgcgatgt	acggcgctcat	gagtgtcgtt	300

caatggctta	gtcttctccc	cggtccgga	gcattccagtt	tgatcgttgc	agccgtcttc	360
ttgttgattg	cctccatatt	ctatgctttg	gcgggcctca	aaagccaaga	attcgtgggc	420
agcaagactc	ttggtgggca	gggacttgtc	cagatgatcg	tttga		465

<210> 4659
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 4659	
actatgcgta	gatgcaagca cctctgctgc cgagaaggcc tcgagaaggcc acccaaactc 60
actcgggaagc	agtctactaa cggcaatcag gtgaagagtg ggcttaacca gctgacactc 120
tcagccagca	ttcctagaac aaaggctggg aggacctcga cgattgaggc tcgggataag 180
ggtagtggca	agacaccccc aaagggacgt ggaatccacg ggcatacaact cagatatcac 240
tga	243

<210> 4660
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 4660	
ataagtcaga	gtcgcgtcag ttttaatcga cagaatttgc cagagaaaaa gacattaacc 60
aataataagg	atagtgggaa gggcagcacg atcttcaagc aatcatatcg cacaagagct 120
tacctattgc	gcaaagtaca gcgtgcttat tacaccgcgc gcatggaaga aaactaccct 180
ccc	183

<210> 4661
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 4661	
tctaagcaac	gtgacgtatc acaccttata agccatcatc cgaatcacca cgaatttcgc 60
gattatcacc	actcgaatct ctcttccttc gccatggaaa ccactctcac ccatcgacct 120
tgggaacctc	ccacaacagg gccgcagaat gctccgacct cttctgcgca aacactacct 180
tgattttcaa	ctctcaccgc aagtatggcc agcaatatac ccttcccgcc agagaagtcc 240
ccagggaatg	cctctttgaa cacggtagaa cgcgaactcg gaacctgggc aatgccccaa 300
agcacaagta	tgattagtgt ttctacatct gccatgccag acttcaccag gggctgcgag 360
agcgctcag	369

<210> 4662
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 4662		
acaactacga	acagtcattc catcatcatc tccagattgc cccaatttga attccatttc 60	
tcggtcgcta	ataccttata cgcaagtgc aaagagaccc cccattatca accagacgaa 120	
cagaaattag	acgctcgatt ctccctaca aaaccaccag gaaatcccgt ctccagtagc 180	
cctgaggctc	aatctatcaa caaagcccga cattttcaca ttaagaccat tgcacaggcg 240	
aaatcgcagc	tgatgtaa	258

<210> 4663
 <211> 597
 <212> DNA

<213> A.fumigatus

<400> 4663

agacgtgcgg	ctgccatgtc	tctctccatg	gccatcctcg	cggggaccac	ctcggtgacg	60
gacaacacgg	gcgcaaccgt	cgtcgcgcgtc	atcttcctgt	ttgtctttca	gttcatattc	120
accgtcgggt	actcgggcct	gaccttcctc	tacgcgaccg	aggtcgcacc	cttgcagctg	180
cgagcggcca	tcagcgcgct	ctccacggcc	gccgtgtgga	ccttcaactt	cctcctggcg	240
catgtgaccc	cgcgcggctt	caactccatc	gggttacagt	actatatcat	cttcgcgggtg	300
ctcaacgctg	ccatcgagcc	gacggtctac	ctcttcttcc	ctgagaccaa	cggccgcacc	360
ctcgaggaga	tcgacgagat	cttcatccgg	tcaaagagca	tcttcgaacc	cgccccgcgt	420
cgcgcgcaac	ctgccccgga	tgcatttttg	cgaagtgggtc	gacgtcggga	cggaatccgg	480
ggacgaccac	ttcaaattaa	ccaagggctg	aattgtcagc	gttttgacga	ttcgcgggtta	540
gattgggttg	atcctgaggg	atttcgcca	gtgtcggggc	agcgggtccgc	tggataa	597

<210> 4664

<211> 423

<212> DNA

<213> A.fumigatus

<400> 4664

tcaaattccc	ccgtaccaat	ggtacatcca	cggtcgcag	ccaacctctc	actacctaag	60
cctctcgctt	gcattcaaga	accagcctc	caaggctgat	gttcagggca	tccggatcac	120
cattgtacct	cctccgcctc	ttcctctatc	ggcttgccaa	tgcaaataca	aataactaacg	180
agagagacaa	aggactcctc	ctcctcctgg	aacggccaaa	cgatgatgcg	cagcgagatc	240
atcccccaga	aagccgcagg	cgtcaacctc	ggccagggac	acctgtacta	tcacttctcg	300
gtgtcgacac	tggcaaccaa	cgccccggat	ccgagtctgg	agcatcagat	tgcttttttt	360
gaggtccccc	ccctttctcc	cacagcacc	agctgttctt	ttttgaaaga	ctttctgagc	420
tga						423

<210> 4665

<211> 468

<212> DNA

<213> A.fumigatus

<400> 4665

accagaacta	atcctcgtcc	ggcggctcctg	tccaccggta	tgattctctt	tttttgctat	60
ccctgtgcgc	gagccgctac	tgatttcagc	agcgatatca	ataccaacaa	cggaggccaa	120
tacaacgccc	tctactggta	catggtaggt	gttcgtctgt	ttcgggatcg	tgcagtcgct	180
aatgcaccca	gaactccggc	cacgtccaaa	cagaagcgaa	tcgcatgggg	ctgcacggcc	240
catattcgat	gtactttagt	cgcagcggca	ctccgggcac	caacattgat	acgtctttct	300
ttgcgaatct	tgatattcag	gggtaacgtc	ccggacagtg	cccagggcaa	gggtgtctgga	360
aaggcatcgg	gtgctgattc	cacgttcaaa	tgggttggtc	actggtatgc	cgagaaccca	420
atgtcggcac	taaacgtccc	gatgctaatt	atccaggtag	aacgatga		468

<210> 4666

<211> 516

<212> DNA

<213> A.fumigatus

<400> 4666

ggatgcaccc	gtccgactcg	cgcattgtcca	gctggggccc	gctcacctac	accgtcggaa	60
gtcctctcgt	gtctgacttc	cccatggcta	tcttcaagtc	gggtcaacagc	cccgtcacga	120
tcaagttcac	cgcgtcgtcc	tcgcagaccg	gcgcgcgccac	gctgcgcctc	ggcacgaccc	180
tgtcttttgc	gggtgggtcg	ccccaaagtca	cggtatgccca	ccggccagct	ctcttcgcgcg	240
gacaagaagc	taatgagaca	gggtcaactcg	tggaccggac	cgattccctc	cgcccccaaa	300
gacctcaact	cgcgcgggtgt	tactcgcgggt	gcgtacaggg	ggctcgggtga	gggtgatgat	360

gttgcgattc	cggccggcac	gatcggtg	ggcaccaaca	cggtagcggg	taattcattt	420
ttatcgctta	gctaccgaga	tgacaacagg	aatagattac	cattagtgtc	gtctctggca	480
gctccggaga	cgcgttcctc	agtcctaact	ttgtaa			516

<210> 4667
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 4667	
cgcgggacgt	tccatccccg
tcgaactgcg	acatcacatc
ggcagtcaca	ttgggtcagg
ttcagggtact	gctga
gggatcgatg	tgaagttcac
tacggcgccg	agctgcagta
gcatccgtct	ctgccactca
ctgcgggtgtg	
	60
	120
	180
	195

<210> 4668
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 4668	
ttatccaggt	acaacgatga
acctctcccg	ccatgaagcc
gttgccctga	cctctgtctc
tccgtgacga	ccggcaagac
ggcgcagtag	tggaacctata
ggcctctga	cggcagcttc
actaccaggg	cgaatacaag
ggctcgacga	ccaccaagaa
catctccggg	
atcggcgaat	gggacggcca
gtaa	
	60
	120
	180
	234

<210> 4669
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 4669	
agttcaccgt	caaccggctg
tgcagtatca	aggcacaggc
ccactcagag	cgggtgtgtc
tgcgattata	tcaagggtac
aacggagacc	ccatcattca
aactgcgaca	tcacatcgat
ggtcaggtct	cggatctgca
gaagatggca	ttattgtcct
agtaccttga	ctcattactt
tatggccacc	tatattactg
cggggttag	
	60
	120
	180
	240
	288

<210> 4670
 <211> 393
 <212> DNA
 <213> A.fumigatus

<400> 4670	
caacataggc	ccaccggctt
tgcgcgatgt	ccagctgggg
ttccccatgg	ctatcttcaa
tcctcgcaga	ccggcgccgc
cgcacccaag	tcacgggtatg
acaggtcaac	tcgtggaccg
tggtactcgc	ggtgcgtaca
gcaaaccagc	taaggatgca
gaagctcctc	gctgtctgac
cgatcaagtt	caccgcgtcg
cctgtctttt	tgcggtgggt
ccggacaaga	agctaattgag
aaagacctca	actcgcgcgg
	60
	120
	180
	240
	300
	360
	393

<210> 4671
 <211> 666
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (296)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4671

tatatagaaa	tctgggttga	aagcttaaac	tcaatcacaa	tgtctgcacc	gtcagaagct	60
cccgtgcaa	ctgtttcagt	catcgactct	catgccatt	cggctccatc	aaactccatt	120
aaggatcaaa	cctctgctgc	gactacagtg	caatccaagg	ctcagggttc	gcctttcta	180
actagtgcga	gggatgagaa	agataatgaa	ttggaccttc	caacttccgc	tgcagatggc	240
ctcgttcaga	agccatttcc	tgcacctctt	gacacatcaa	aggcagcggc	tcctgntgag	300
ctaacccttg	atcagcaatc	gaaatatgag	gcagtcctga	aggcagtttc	cgaatggacc	360
actcttccga	caacatcggc	aaaaaatgca	cccacggccc	caattacaga	tgatgagcgc	420
atgtttttga	cccgcgaatg	tcttctgcgg	tacttacgcg	ctacgaaatg	gaatgtcacc	480
gaagctatca	atcgacttca	gcgcaacttc	acttggcgcc	gcgaatatgg	cctggaaaag	540
ctgactccgg	cctacatctc	gattgaaaac	gagacaggaa	aacagggtcat	cctcggtatc	600
gacatccatg	cacgacctg	tctctacctc	ttgccttcca	accagaacac	ggaacaagt	660
gaccgt						666

<210> 4672

<211> 1254

<212> DNA

<213> A.fumigatus

<400> 4672

catgcatggt	tcaaccattc	atogaccata	ccgatatatc	gtacagaact	cctgctgttt	60
gatgatgaaa	taatggtagt	cggtagtagt	cctccttcag	atcccaaaag	agcccaggca	120
tggtaggacg	aagttttcct	atcccatccg	cctcgcgagg	tggtttatgc	accggagttc	180
cctcccaggc	cggacgagtt	tcaagagatc	gactgggccc	caaatgtggg	atcaaaagat	240
gcgaagctag	cacacatctt	gtgggatcgt	cccactcaaa	agctccgaga	atacttggac	300
agcctaggcc	agcatccttt	ccctcggcct	gatgatgacg	acgatacaag	ggcaatgaac	360
cacacggagg	ggctcgcctt	cgagggtgtac	gagcttctcc	tgcgggagca	tatgtacccc	420
attgcagagt	ccgaatggca	agataaatgg	acacagatgg	ggatggatca	ggcgaaatgg	480
ggtatcgacg	atatcttgca	agactgggga	catgcgcccc	accctgggtcc	catccttatt	540
cgaggcaacg	atgtaatgac	ttcccgcctt	ttgacagtgg	caagattgaa	gcaggagctt	600
agggaccgaa	accaaacctga	aaccggggaca	tgcgaagtct	tacgccagcg	tctttgtgac	660
tatgagcgaa	agtctctcac	gctcttttcc	agaagcgacc	ttggacattg	gggaatatcc	720
tcagggaagc	cgcggggacg	aagaatccac	ccgggcgata	agttagacac	gttggacatg	780
tacacctggg	ccattaaact	cagcccatat	aacccgacat	actggatcag	ccgtgcctat	840
tgtcactatc	aacaggcctt	ttttgacctt	gcgatcggag	atgcctaccg	ggcccagctt	900
ctctgcgagg	tgcttgtcga	tgctcgggtg	agaaaccgcc	aaccggggct	ttacccccga	960
atctggcacg	ccatctctca	gcataatcat	gcagggatgc	acactgatac	gggagacgta	1020
ccgccagagg	tggaaaaaat	gcgccaacct	aacgggatta	actacttcat	cccaaccctt	1080
cgaaaggcac	ttcataacat	catcggcctt	agtcttgcgt	cacttcaagc	cagagaggat	1140
ggcaaagcca	tggagaaata	ccttcctcaa	agggatcatc	tgcgggaccg	cgatagacga	1200
cctttcagac	gacgtcgcga	ggtcttcacc	gcacggggccc	gaaaacaagc	atgg	1254

<210> 4673

<211> 531

<212> DNA

<213> A.fumigatus

<400> 4673

agcgtcggtc	cttccagccg	cgtgggtgaag	atggggccga	cccgtctggg	ccgcagacac	60
agcatcatcg	ccggcggcat	cggcctcagc	accaccatgt	tcctcatcgg	cgccctctac	120

gccgcgcgacg	ccgtccaccc	gtcctccggc	cccggccgct	ggctcgatcat	cgtcgccatc	180
tacctcttcg	ccgtcatctt	ctccctcacc	tgggccatct	gcataaaagt	ctacgcgcgcg	240
gagatccagc	cccagcgcac	ccgcgcctcg	gccaccagtc	tcgcgcacgg	cagcaactgg	300
gtcactaact	tcctagtcgc	gctgaccacc	cccacctctc	tggccaagag	tagtttcggc	360
gcgtactttc	tcttcggcgg	gtgtacgctg	ctgacggcgt	tggtttgccg	tctcttcctg	420
ccggagacta	aggggaagtc	gcttgatgag	atcgaggagg	cgttcaagtc	caagtcgctg	480
ggctcgcat	tggcaaaaagc	catcaggccc	atcaccgggt	cgtcgaattg	a	531

<210> 4674

<211> 855

<212> DNA

<213> A.fumigatus

<400> 4674

acgcgtagcg	cggatccttc	gacccccgtg	gtgaagacca	atctgtacgt	ccagaatgaa	60
gcaacagctg	ccctcttgtc	togtacagtc	aaggcgaacg	aggaggtctt	gtcagggctc	120
aaggtttctc	gggcgcaccc	cgttttcggc	tcagctgtga	aacctagcac	gagcctggca	180
gagcttgcta	ctcttggaat	taacgatccc	gctgtggcct	ggcctgtctt	tgaggcgcgtg	240
tgggtgaac	ttactgcaac	ttctgogtct	cccggctacg	atatggcctt	caagactcgc	300
cctcccatc	ttgctactgt	ggatggcctg	gcacactgga	tgaagaacac	tgagtaccga	360
agtgtgact	ttgagcccat	tcattgctcat	gatctcgtct	tcgtaagaca	cttcctttcg	420
ctgttgaagc	ccggtgcccg	tcagcctacc	cttcggaacg	ggggcatgct	gctctatgcc	480
acttcgcct	ccaacaatcc	tactgtctac	agcttcgaag	ttgctctcaa	gcaggtagca	540
gcgcgccagg	ctggccttaa	tcctctctgt	cccgaattcc	ctcaggccga	cccgtacagt	600
aaggttgaca	agcgcgttct	tgatgcgttc	gactctctta	aaccctcctc	cgctaaggaa	660
ggtgctctgg	agcttcagac	tattggcggc	cttacaaggg	atgaggctcg	aggcttcatg	720
gaataacttcg	cacgcagtg	acttctccgg	gaaaacatca	atgacgagtg	ggttggggag	780
aagtggagct	tggccggagg	tggcattgtt	ggtgaattag	agaagttggg	tagacgcctc	840
agagtgatgg	cctaa					855

<210> 4675

<211> 873

<212> DNA

<213> A.fumigatus

<400> 4675

cgcggtgtcg	tgaaggctat	tcgacgcaag	atggaggcgg	acctcaacaa	aaagaggcac	60
cacgccccca	gagcccatcg	cacgcgcaaa	gctccccctg	gaaccgtcct	ggctctgaag	120
cctagtcaag	cccttcagat	taagccaaac	actaccgtcg	cagaagccgc	acaaatgatg	180
gccgcgaaga	gagaagactg	cgttcttgct	acagacgatg	atgatcgcat	cgctggtatt	240
ttcacagcga	aggatcttgc	gttccgtgtg	gtcggaaacg	gccaaaaggc	tcgcgaaatt	300
accgttgccg	agatcatgac	gaagaacccc	ctgtgtgcga	gaaccgacac	cagcgcgaca	360
gacgcactgg	atctcatggt	tagaaagggc	tttagacatc	tgccggtaat	ggatgagaac	420
caggacatct	ctggatccct	cgacattaca	aagtgtctct	acgatgcatg	ggagaagctg	480
gagcgtgcgt	acagctcttc	ccgaaaactg	tacgatgcct	tggagggtgt	gcagacagaa	540
ctaggctcca	cgcagcctca	gcaaatcatc	caatacgtgg	aagcgtctcg	ctcaaaaatg	600
tccggccccga	ccctcgagag	tgtcctggat	ggcctgcctc	cgacgacagt	atccgtgcgc	660
acttctgtca	gggatgccgc	aacgctgatg	aaggagcatc	acactactgc	cctgctcgtg	720
caggaccagg	gtcccatcac	cggtatcttc	accagcaagg	atatcgtctt	gcgtgtgatt	780
gccccaggac	tggaccctgc	cacttgtagt	gtcgtccgtg	tgatgacccc	acatcctgat	840
tttgcctcctg	ctgatatgag	catccaagct	gct			873

<210> 4676

<211> 702

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (646)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4676

gatggaatct	ttatatactg	cagatcttct	ctactcgagc	acgagcatgg	actaggccca	60
tcgggggttg	accgcatccg	ccaaccacct	tcacgaactc	tgaatctccc	taacagatct	120
gcctcatcgc	ttgttcccct	atcgcccca	agcaacactc	cttctcgtcg	atccagcacg	180
gcctcgaaac	ccagcctcat	gcgcataatc	tcaaattgaca	gcacagcac	gttggaagac	240
cttcatcgct	tccccctgga	gtcgttacat	tcatcttctc	ttgcccagca	atccgacgaa	300
ttactcaaca	gtcgtcataa	cattctgaaa	cgatccatag	atcttatgcg	tgaccgtttc	360
ggctgggtccg	ctggcaattc	cgccattgcc	aacgcgcagg	ctcgcatggc	tgccgatgcg	420
gaggcccaaa	gtatggtaga	gctcatgtcc	aaaacaagta	ttgcggggaa	ggacgacaga	480
cacaattatg	ctggcttatt	gcgtggcccg	ttgacgagcc	ccgcagatgt	ggacagcggc	540
aatctttttg	atcaagcttt	cactgggcct	ggaggctctg	cgattgagag	caaagcgaca	600
cgacaaggac	atgatgagag	tggagggaat	ctattatcca	ctgganacat	acctcaccaa	660
agaagggaga	tgaagtctgc	tccttctctc	aggcggccgt	ag		702

<210> 4677

<211> 195

<212> DNA

<213> A.fumigatus

<400> 4677

gccagcataa	ttgtgtctgt	cgctcttccc	cgcaataactt	gttttggaca	tgagctctac	60
catactttgg	gcctccgcat	cgccagccat	gcgagcctgc	gcgttggcaa	tggcgggaatt	120
gccagcggac	cagccgaaac	ggtcacgcat	aaaatctatg	gatcgtttca	gaatgttatg	180
acgactgttg	agtaa					195

<210> 4678

<211> 441

<212> DNA

<213> A.fumigatus

<400> 4678

cagtgggtgc	gccagttatt	aaacagtagg	ccctggccac	attggcaagc	atcgacatcc	60
ctttccactg	cgtctattcg	aacagacact	gctaccatgg	ctgacattgc	cgaccaatta	120
atcgaaaagc	tccagacgtt	ggagacgagc	atctttgagg	gccaggatgc	cacgcgacag	180
aagctggctc	tggcggcccg	caaactcttc	cacacgctgg	aaacgaaaga	agaaaagacc	240
atgcggctcg	ctatcgagga	accagtcatt	ttctccgtgc	tccaagctct	catcgacacc	300
ggtctgttgc	aaggctgggc	tgcggccggc	ggcggcgaga	gagatgtgac	cgagttggcc	360
aagctcagca	agagagacgt	ggaacccgag	ctattacgta	ggtttctctc	tgctgagagt	420
gccatcccac	gtggatgctg	a				441

<210> 4679

<211> 222

<212> DNA

<213> A.fumigatus

<400> 4679

tttttctcgc	gacttgactt	ttccattttc	aaacgtctca	taatcatcgc	catgtctgct	60
cctactacac	caactttcaa	gctcgtcctt	gtgggtgaca	gtggtactgg	ttaaagcaagt	120
aaaatcactc	tcatattgcc	ttttactctt	gaaatgcagt	atcttgctct	gcttgcatcc	180
tacaagggtc	gaaccttttt	gaactacttg	ccttggtctt	aa		222

<210> 4680
 <211> 549
 <212> DNA
 <213> A.fumigatus

<400> 4680
 agcatagtcc gcacgacacg agcacggata attcacctgc gaaccgacca caaagaagta 60
 atgaaacatc tcgagaaagg tctccatgag catttcgccca gttttcaacg tgcacaagcc 120
 gctgttgctg ctagcgggtat gaacgggact tcagttcaac gaagcaattt ggttgagaac 180
 agtttatcaa atgctgaaat gatcgggacg ccatttgcca aggtgaacag cgtggtgccc 240
 gatagccctg cggatcaggc tgggttgaag gccggggaca tcatacgaag cttcggaaac 300
 gtgaactgga tcaatcatga acgtctatcc aaggtagcac aaacagtgca acagaacgaa 360
 ggagtaagtg tccgcatctt tggtctcaag gtacattggg cggacttaac gcagggaaca 420
 atcgtggtca agatcgtaag agaggacgga cctgcgtcca ataacactac tgagctgagt 480
 ttagaactca taccacgccg tgattgggga ggtcgtggtt tgtagggtg tcactttgtt 540
 ccactgtga 549

<210> 4681
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 4681
 agactgtggt tgatcgatca aaatttagct gtgctggttt tgggacgcat tctctccaag 60
 gctattgatc cctgggagcc aactcttacc acaaaagccg gtatccaagc caacagagaa 120
 gcagctattg tcaactattaa agcaagcaga aagcgaatat ggccccacgg actcgtcgat 180
 aacctgtcga gtatccatag tgataggcaa tga 213

<210> 4682
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 4682
 agatgcacca tttctaactc tccttttctt cacgacaatg cagatttcaa tgctggaata 60
 ggcgtagtgg taatgctggg ccagtcaaac tacctggcta ttgttggtgg aggaagaaat 120
 cccaaatttc ctcaaaacaa ggtgcgcagc tttcaatttt ggacggcttg catacttcgg 180
 tga 183

<210> 4683
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 4683
 gactctttgc agttggtgat ttgggacgat gcgaaacaaa aagcagtcac aacactcgag 60
 ttccgtacgt ccgtccttgg tgctccgtttg tcgaaatcgc gaatcgttgt cgctttattg 120
 aatagtatac acattttcgc gttttccagt cttcacgccg gggctggaag gataccgcgc 180
 ttcgaaggaa acgcg 195

<210> 4684
 <211> 192
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (4)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4684
 cgcnggacct tcggcccttg tggtagaaga atcgccccca gcgtctccgt cattgctgtc 60
 accacctgcg tccccaccgt cacttacgtc accgtccctg tctctactcc tagcggcgct 120
 gcgggtgttc actcctccgt ccccgtcac cctctgttct ctgctggcac cctgctcct 180
 agcgtacgt aa 192

<210> 4685
 <211> 1098
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1079)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4685
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 tccttcatat tctcttctct gttgtcgctc ttgtcggttg tttctagtaa gtggatcttc 120
 cttcaagcca tcgtctctaa caggggtagt cactgtcatc tatttgagga tcacgaatat 180
 tggttctatc tctggccggc cgttgtgac tcgggtatctg atcgagtctt gcgcctgatt 240
 cgcatagttt actgcaacct gcacgtccaa ctcggttccc gcagccgttt ccaatgcacc 300
 gaatgcgttg cagcgtatga caaggatgct gatatcattc acctggagct aacccccggc 360
 tcaggtctgc agccagctcc aggacaatac tactttcttt acaaaccctt ccggctcacg 420
 ggatgggaaa gtcacccggt cactgtgggt tcgtgggtcat ataacgatgg cgcaccttca 480
 actcaatgcc gtagtctgaa acgtgacacg accactgatg tctcggaat ccctctacta 540
 cctgacactc ccagttcggg ctcagactat ggttcaatcg atacctcaac cgaccacccc 600
 gagcgcaaac tcgcaactgc tttctggatc cgaccttatg acggatggac tcgccatctc 660
 cgcatcaat gcctgcaatc accaactcgg ataactccag caaacatcct ccttgaagga 720
 ccatacggcg agcagtgtcc gctctggaag tacgaatcgg tcctattgat cgcaggcggg 780
 accgggatcg ccgcccgggt acctacac caagatcaca tctccgctc gtcaaccggc 840
 cagacctcga cgcagagcat ccatctcgtc tggacggctc ggcaaccgcg gctcctgcgc 900
 gatattcgcg gcagagagtt gaagcaggct cttagcagga aggacttcgg tgtctcgttt 960
 tatgttactt cagagtctgc gtctcagggt gcgattatgg acgggggtgga atttgcgtgt 1020
 ggacgccccg acctgcaggc gataattaca gctcatgcgg aagaagcaag gcttggtant 1080
 tcgtctgtgt tgggtgtg 1098

<210> 4686
 <211> 717
 <212> DNA
 <213> A.fumigatus

<400> 4686
 gtcttatcga gtgagccaga atggcatagc ctggaagctg atcatatccc gcaactagtc 60
 gtaaagaaac atcctgaccc cgttacggcg tatgacgacg gacctctcgc ggcgtacgtt 120
 ctctgcctct atgacagcgc ggaatttcac gactgccgga tctattgaa gtctggcaaa 180
 gacaacttcc caccgatcac catccgcacg cacaagggtg tgatcgcccg tagtcctctt 240
 ctgcctcaga ttatgaagtc acctgcagca aagcaggata taccgaaat agtagcaatg 300
 gctggagaga acttcctggt ggtcaaggcg tttgggattg cgcttcagag tttatacggg 360
 ttggccctct taaaccagaa acggctcaga tccatgacac tcttcagtct gggatatacc 420
 gaagagagta tcaaatcgtc tccatacccg atcaatacgg cactggcgga ttttgccctg 480

tgctacgcc	gctctggggc	tttccttcaa	cggcgggaca	ttgtcgaaac	gggtatcaag	540
ctgattgtgg	aagtcataaa	ttgggacaac	atcgagctga	tcttctactt	tggtttctgc	600
atgtctaagt	ttctcatcac	ggcgccctcag	atggcagagc	ttgagaaatc	ctcagccgat	660
caaccagcca	ccgctgacca	ggtcttcacc	tggggactgg	ccggccgaac	tcatgca	717

<210> 4687

<211> 948

<212> DNA

<213> A.fumigatus

<400> 4687

gcatgggagt	tcaaacaccc	ggaattcaga	gcgaacagca	aggagtgcgt	tgataacatt	60
cgacgaaagg	cgccggcgcc	tcgaaagcag	actcagaaca	ccgacgactc	cgttccgaca	120
caacagatcg	atcttctgaa	ccagcagatc	gtagcgcagc	agcagcagat	ccagcacctt	180
tcggatagat	acgcgcagtt	gacggttgat	catcagctca	tggtgcagga	actgatgaga	240
gttcagaaga	cggttctgaa	ccatgaaaat	gttattcacc	aggtgatgaa	ttatttgctg	300
tcagtagatg	ctcgccagag	gcgcgatagc	aaagcagcag	cagccttcca	agctcaaggg	360
caaggcgggt	cgaacgtgaa	tgggggacag	gtagacgata	tgcccttcctc	tcccttgcat	420
catgcgtcga	agctactgag	taacatgaac	gccgaggttc	aattcaattt	gaccggagtg	480
gagtcggtag	gcgaatcttc	gaaatccgct	cctggtgttt	ccacccctgc	actagaggct	540
gggcccgcga	atgggtagt	gcgcccgcct	acggcggcag	gtgcaaattc	caccaacctt	600
ctatatccaa	agatgaacgg	cgagattgag	cccgttgtct	accctgttgg	tgctaccaat	660
ggaattgatc	caatgtacag	tgagcatgtg	aacaatttgc	cgtatcctat	gcctccaaaa	720
caggaagtgg	acgacactcg	ccgacaagtt	cccgcagctc	gaaagaagag	cacaaatgtc	780
gatcccgggt	gggtgcgcag	cccgcacatt	ctactgggtg	aagatgatgc	aacatgtcgc	840
caaattgggtg	gtaaattcct	ctattctttc	tcttggtgta	ttgacacagc	ggtcgggtct	900
cctctgttcc	cgtatggacg	caaagcaact	gacagtcttg	cagtttga		948

<210> 4688

<211> 435

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (47)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4688

agggatagtt	ttgtagttct	cgagggtcggg	tgcttctccg	ccctgtnccg	tcgaagtgtc	60
cgttgtcgaa	ctttcaagct	gaccgtgttg	ccttatcgca	gtgcgagaaa	ttcacaaaag	120
accatccttc	cgaacacatt	caaacacagc	aattttgcc	gttttgtgcg	gcagttgaat	180
aagtaacgact	tccataaggt	ccgacaaacc	aacgaagaaa	atggacaatc	tccttatgga	240
caaaacgtaa	ggcttcggtg	ctcaactcaa	gccgaacgaa	atctgacaac	gtataggcat	300
gggagttcaa	acacccgga	ttcagagcga	acagcaagga	gtcgcttgat	aacattcgac	360
gaaaggcgcc	ggcgccctcga	aagcagactc	agaacaccga	cgactccgtt	ccgacacaac	420
agatcgatct	tctga					435

<210> 4689

<211> 450

<212> DNA

<213> A.fumigatus

<400> 4689

acaatttgcc	gtatcctatg	cctccaaaac	aggaagtggg	cgacactcgc	cgacaagttc	60
ccgacagtcg	aaagaagagc	acaaatgtcg	atcccgggtg	ggtgcgcagc	ccgcacattc	120

tactgggtgga	agatgatgca	acatgtcgcc	aaattgggtgg	taaattcctc	tattctttct	180
cttgtgttat	tgacacagcg	gtcggttctc	ctctgttccc	gtatggacgc	aaagcaactg	240
acagtcttgc	agtttgacgg	actggaagcg	gtgaataaga	ttcaggatgg	atcgaaatac	300
gacctgattc	tgatggatat	catcatgcc	aatctcgatg	gggtttctgc	atgtcacctt	360
attcgccaat	ttgaccgaac	tcctatcatc	gctatgacct	ccaacattag	aagcgatgat	420
attcaactat	acttccagca	tggtacgtag				450

<210> 4690

<211> 351

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (249)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4690

accagcatga	cgggaaaaaa	gatactcatc	atcctcaccg	acgccaaatc	cttcccccttg	60
aagaaaacct	cgggccccga	cgccggcaaa	acagtcgaac	agccatctgg	cttcttcctc	120
atggagctcg	ccaagcctct	cgagaaaaatc	ctggctgcag	gctatgaggt	aaccttcgcc	180
tcacctaagg	gcctcgaacc	cactccggac	ccgctcagcg	aatccctcgc	cgccttcgca	240
ggcaacttnt	acgaacgcgg	gcgtgagaac	gaccttatcg	accgcatgaa	gcgcgagaac	300
gggttttagtc	gccccagacc	gctcggcacc	agttttcacc	acgggaggta	g	351

<210> 4691

<211> 498

<212> DNA

<213> A.fumigatus

<400> 4691

ggatgtggtg	gtgcggcttt	gcaagaaaaa	gggcttttca	acttcaatac	cctcacctat	60
tctgcggaag	gcaataacct	ctttatcaaa	tataacaatg	tcactatgga	ggaagcccac	120
gcacaggtgt	tcttccgtca	gaagagtatc	gaacgcaacg	ccaccttccg	gattcctgag	180
gtctaccacg	cttttatagt	gagcgagggc	gggtgcactg	gcaggggatg	cacctacata	240
gtcatggagc	atattgaaat	cgattttgag	agaactgtgt	cagatgaaca	gagagcacia	300
gccatctccg	agttgatcag	tatcccaccg	ccacctgggtg	tctttgggag	ccttagtgga	360
ggccgctaca	ggcatcatth	ctttcgagac	agccagcctc	ctgttccgtt	ttcgtccgcc	420
acagaacttg	aatataacat	caatcgagta	agtcttgctc	tatgtccgat	cggggagcga	480
atacttttgt	tgaactaa					498

<210> 4692

<211> 1566

<212> DNA

<213> A.fumigatus

<400> 4692

cgcgtgtcct	tccagccccg	gggcgtgaag	acaaagcgga	cacactcaat	gtctatcctc	60
gataccacaa	aagacctctc	ggccctgttt	accaagcagg	tccgtgacgc	ccccgatgcc	120
cctgcactag	aagatgattc	caccacatac	acctatgccg	aactagatac	cgaagtggat	180
gctctggccc	agcgtctgcg	aagctatggg	gtcggacgag	acagcctggg	tggcgtgctt	240
ctccctcgga	gcgcgcatta	tgtgatcgcc	tgccctggccg	ctctgcgtgc	aggaggagca	300
ttccttggtc	tcgagctggc	ttatcctcct	gatctcctgg	cagacgtcct	ggaagacgcg	360
aagccgggtg	tcgtggtgac	tcaccgcgcc	gaagcaaaga	aggtcaaagc	cgatgtgccc	420
ttgatcgctc	tggaacgagc	cgcgacccat	gccaacggac	acaccaagga	accatcgact	480
cctctgccag	ctgaggacga	ccttgatcga	ctcgcctttg	tctcgtattc	ctcaggaact	540

acggggcaaac	ccaaggggaat	tgccaacccg	catcgagcgc	ctgtgctttc	gtataatctc	600
cgattcggcg	tgcaggatct	gcagcccgg	gatcgcggtg	cctgcaatgt	cttctttatc	660
tgggagattc	tgcgccctct	ggtgcgcgg	gccactgttg	tggcagtgcc	agacgatgtg	720
agctacgacc	cggcagccct	ggttgatctc	ctggccgcca	aacgcacac	cgaaactctc	780
atgacgccaa	cgttgctggc	caccgtactc	gcgcgtcacc	acgatctcgg	tgctcagttg	840
ccccatctcc	gcacattgtg	ggtgaacgg	gaggtgggtc	cgaccgatct	cgctcgacgg	900
gccatcaagg	ccctgccgtc	caccgggcta	ctgaattgct	acagcgctg	cgaaacacat	960
gagattgcgt	gcggcgatat	tcgagaaatg	ctcgatgaca	atgccccata	ttgtcccgtg	1020
ggccccccgc	tggatccgaa	gcacacctat	attctgggtg	aagatggcaa	ggccggtccc	1080
gagggcgaga	gcggcgagct	ttttgttggc	gggccccttc	ttgcccgcgg	atacctcaat	1140
cttcccgaca	ctactgccaa	agctttcaca	gcggatccgt	tcgacgccac	ccccgggtgc	1200
cgctgtgacc	gcaccggcga	ccgtgctcgc	attctgcctt	ccgggctgct	ggaaatcacc	1260
ggctcgtgtag	gtgcaatgat	caagctgcgt	ggctattcgg	tggttcctgg	gaagggtcgaa	1320
aacgagatcg	tcaaacactt	ggcggtcagc	cattgtgcgc	tgatcgccca	cggcgaagga	1380
ttggatcgga	agctggtggc	gtacattgtc	cgagaccagg	acagcaccga	cgatcgtccg	1440
gttgtccaga	tcaacctctc	cggtcacagc	ccggcggcgc	ggcagacttt	ggcgccctac	1500
ctggctcatt	acatgatccc	cgcctgtggt	gtggaaatgg	atgagctgcc	gaccacgcgc	1560
ggtctg						1566

<210> 4693

<211> 426

<212> DNA

<213> A.fumigatus

<400> 4693

gcggcttcgg	caagatcctc	aagaacgagg	gtatcggtgc	tttctactct	ggtttcggtc	60
ctatcctctt	caagcagtaa	gtcgatcact	ctcaaccaat	ggagtcgcct	ggtgatttct	120
aaactggtaa	acttcaggat	cccctacacc	atggccaagt	tcgtcgtcta	cgagaagggt	180
gtcgaggctg	tttaccgcaa	ggtcgacaag	aacaccattt	ccgatgggtc	taagactggg	240
atcaaccttg	gctctggtct	cattgccggg	tctcgtgcgc	cccttgtttc	tcaaccgcgc	300
gacaccatgc	tcagtgtgat	caacaagact	cagggcgctc	ctgggtgagag	cactgtctcc	360
cgtcttgtca	agatcgccaa	ggaccttggt	atccgtggca	gctacgctgg	tatcggtacc	420
cggtaa						426

<210> 4694

<211> 501

<212> DNA

<213> A.fumigatus

<400> 4694

cattgcggcg	attgcggctc	tttccggccc	ttggtaaaga	ctcaactggg	tactgatgta	60
tctctttctc	aatgcagcgt	caagaccaga	atccagcttg	accctgtcac	ctacaaccgt	120
ggtatgattg	gtggcttcag	acaggtcatt	gccaacgagg	gtgctggcgc	tctcctcacc	180
ggtttcggtc	ctactgctgc	cggttacttc	cttcagggtg	ctttcaagtt	cggcggttat	240
gagttcttca	agcagcagtt	tatcaaccag	ctcggttacg	agactgcttc	caacaacaga	300
accgctgtct	acctcgcttc	ctccgctgcc	gccgaattct	tcgctgatat	cgccctgtgc	360
cctcttgagg	cgactcgtat	tcgtctcgtc	tctgagccta	ccttcgctag	cgggtctcatg	420
agcggtctcg	gcaagatcct	caagaacgag	ggtatcggtg	ctttctactc	tggtttcggg	480
cctatcctct	tcaagcagta	a				501

<210> 4695

<211> 678

<212> DNA

<213> A.fumigatus

<400> 4695

gagttcatcc	tccgcgtgca	gcgggaaggc	aagcctgaca	tctttgtggc	cagggcatat	60
ggagaattcg	caaaacttta	taggagactg	cgtacagagt	ttccgggtag	aacattagca	120
cctctcccg	gaaaaataa	gtcatcaaca	agtactagct	tttttggtc	ggctgacgat	180
gaggcgctct	ctatttcctc	cgtgtcaact	caagatacta	gcgaggggta	cattgggtcga	240
actctggctc	cgggacctca	tcacagccgt	tcattgtcac	gttcctccat	gaaatcatca	300
aagtctggga	gactttcaag	tgaggggccc	agagagtgtg	tgctttaccg	ggaggagcag	360
cgcgtctctc	ttcgagcatt	tctacgcact	ttgctgcaga	acaagcgagt	ttccgagtca	420
aaggcgatgg	aggagtttct	cacagcaaac	cctgtcacct	tgaatgaaga	ggaattaacc	480
gatgtagaaa	gaagaaaagc	agcggacgcc	atcaggatcg	aggagcagaa	gcaattctac	540
gaaattgcac	ggcagcgtgc	ggcggagctg	gatgtatata	tggagcaatt	ccgccgggat	600
attgtggaga	gcagtaagca	acgagtcaca	aatgaccag	agccggcttt	actaacat	660
cgaactcaga	tggtctaa					678

<210> 4696

<211> 1098

<212> DNA

<213> A.fumigatus

<400> 4696						
ttgccgcat	ctcctgagaa	ttgtccgtct	cgactgacta	taactagggg	tgccggcaact	60
ctctatcacg	tattcctggc	tgaggacaac	tctccagaaa	tgtttgcgca	gttcaagagg	120
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gactcgctgg	cagccaagg	tgatgatccc	gttctgactg	gaaagctaaa	agagttcacg	360
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cgcgatctct	tcaccatttt	ctacgagccc	ctagtgcgcg	tctacaaatc	tgcgaaatgtg	720
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tgtcacaggc	aggatgtatc	ggcggaccct	aaccaaacccg	tccaggcctt	catcgatcta	840
tgtgaaagac	accaagacaa	cttctacaag	ttcattcacg	aagtacacct	tcacgataat	900
ggcctgttta	catccctcat	gggttggatt	gaagatatcc	ttgaattcct	gcgccacgga	960
cctcaagggg	gtaagcttga	catgaacgcc	ctgttccacg	gagccaaaga	tgtcgggcag	1020
attgatgagg	ccaaggccat	cgaggagatt	aatgctttga	tcaagtggca	cgaggatcgc	1080
aaacgtggca	gcgaataa					1098

<210> 4697

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4697						
agtggattta	cacatggaga	agctctggga	tcgaaacatc	agtttgtgac	actgcatact	60
cataatcaac	cattctctcc	tactaatagg	gctcttctag	gtattcatat	gtcgatgtgt	120
aatgcgactt	caactcgcca	cttgacgaat	cttgtgaaga	agggtgaatt	agatattagc	180
tcactagtga	ctcatcgtaa	gtttaagagt	gaatag			216

<210> 4698

<211> 951

<212> DNA

<213> A.fumigatus

<400> 4698

gtgaaactgc	ttttctcaac	aaacctcact	gtattttacc	atccatttct	tcccatatcc	60
aaaagtctat	ttcattcacc	tttcaacatc	atgaaggccg	ttgtttacac	acaaaatgag	120
actggtgaag	ttttagaccg	ccctaagcca	acggtacaac	agcctactga	cgcagtcgtg	180
cgaatgctac	atgcatctat	ctgtggcaca	gatcttcata	tcctcaaagg	tgatgtacca	240
actgcgaaac	cgggtcttat	cttggggccat	gaggggtgtcg	ggatcatcga	agcattggga	300
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tcgctccatc	ccttggactc	ctctgttgat	acatgtgctg	cagtttcgct	ttcagacgcc	540
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gttattgtgg	gagcaggccc	tgtgggcatg	gcagccctcc	tcatgacctg	tctcataaaa	660
cctgccttca	ttgttatgg	cgacctggat	gatgcgcgct	tagagacagc	acgcaccatg	720
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atgtgtcagg	aattggttgc	cgttggcgga	cagattgcaa	acatgggagt	acatggcggt	900
aaagtggatt	tacacatgga	gaagctctgg	gatcgaaaca	tcagtttgtg	a	951

<210> 4699

<211> 207

<212> DNA

<213> A.fumigatus

<400> 4699

ttgaatagat	cgctggcaaa	accgacacga	gccgcaagag	gtcatacagg	aaacaatgac	60
cgggtcgccc	acctgaaatc	cctgaacggc	ggatcccaat	gcttcgatga	tcccacaccc	120
ctcatggccc	aagataagac	cgggtttcgc	agttggtaca	tcaccttga	ggatatgaag	180
atctgtgcca	cagatagatg	catgtag				207

<210> 4700

<211> 609

<212> DNA

<213> A.fumigatus

<400> 4700

gcatcatcac	agctgattgc	catgtggctg	ttcagagggg	ctcaatcggc	cgtcttctac	60
tatgccagct	gtacgccctg	tgctatgtcc	tttgaccgtc	gcaagcgaaa	aaaggaagcc	120
gttcgatcgc	aacgagagaa	ggagaagggt	gacgccgtca	tcaccgacca	acaaaaacca	180
tttgcctcagc	caacaccgtt	cagtaccaac	ccaggatggg	cggaagagat	tgctctaggt	240
cggggctctc	ctgcaagaag	aagcggtcac	cggaacaacc	atcgactgac	cgacagttgg	300
aatactgata	cattgtcacc	tatggagtcc	atccacgacg	agggagaggc	gtcaaagcga	360
aaggataaga	gcagagaaaa	gcatccgcaa	ggcgaccgga	ggaaccgtaa	gcgtaacctc	420
cgggaggaag	aacatcagag	gggggaggaa	gaggaggaga	agggctcatc	ggaaggaatc	480
tccgtccggg	gcaaagcgga	caccaccgaa	cccagcaagt	attacatcgc	ccgcgtaccc	540
ccagtcaacg	atcttcatcc	accgattgta	agcggaccca	agagccgggc	ggaaacaaga	600
tggatgtag						609

<210> 4701

<211> 225

<212> DNA

<213> A.fumigatus

<400> 4701

cagatcgctg	gtcgatctcc	gcgtgctctt	tcctcagaat	tccgcaatag	gacagagAAC	60
gcccttcatg	ttgtcggttag	cgccacagca	aacattgaga	tcaaactaca	agtgcctccg	120
ggccaaatag	atactcagac	ccttttttat	accagtgcac	tcgccggact	cgtctacatc	180
aagcgttgct	actctcatcc	ggatcttagg	catcatcaca	gctga		225

<210> 4702
 <211> 525
 <212> DNA
 <213> A.fumigatus

<400> 4702
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 gctgcccagg gctgtcgccc gcccctatgta ccactgtgcg cagctgtatg tctttcgttg 120
 ttgtatcgtg atggtatatt gctgataccc ttgttcaggc tggacatccc tccattcatg 180
 tcctatgctg ccgcttattc gctcttcaac taccatcttg cggatccatc caagggcttg 240
 gtttacgaca acctccgcct ggtgagagct tttgagcgcg gcctcgaccc caagagctcc 300
 gaggcaggct ttatccttac ccatatcgac atggtcaagg agtccaatgg tctgatcagt 360
 ggtgccctca aagtggtcga tacccttgag cagggtggcc ctgctccga ggtcaacgac 420
 ggcttccgag agattctcgc ctcaatggaa aagattgaag cctgcatgga gggttaagcta 480
 cttcacgcgc attcatccgc actcacgaac tcaactcccg gctaa 525

<210> 4703
 <211> 570
 <212> DNA
 <213> A.fumigatus

<400> 4703
 acacatagac atactctctt cttgtcaact tctaccatga ctcaaaacaa agtccctcca 60
 acctctacca caactctgaa gaggttccct catatccatg atgaccctgc tacccttccc 120
 aggtccttgg accccttcac catcaccact tccactggct ttctacccta ctgcacgtct 180
 cctactacgc tgcccgatgc cttcaagccc ttgatggacc tgctggaccg tatgcctgtc 240
 gtcaggcagg atggcagtcg cggctctgcta gccaagtacg aactgggccc tgctgtcgag 300
 actgaacttc ctgacctgac tgacgaggtt gacaaactcg tcaactgctga cggctcccgg 360
 gacctctaca tgggtcactgc agtggtccga gactactctt tccttgcttc ggcttatctc 420
 cttgagccat gttgggagaa ctgggtgcaag gccccggaga acgggtatgg gctgggacgg 480
 gacaagctgc ccaaggctgt cggccgcccc atgtaccact gtgcgagct gtatgtcttt 540
 cggtgttgta tcgtgatggt atattgctga 570

<210> 4704
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 4704
 acccctctac ttccgaggag aaagtggcgc caacgacagc atggtacgct ccctaactgg 60
 cctccctttt tatctgcaat cccaattaac atctatctac ctacagatccc cctgctcgac 120
 cacctctctc aaatccccat gccctccacc cccctcacca agatcctaca cgaattccgc 180
 gcctacagac cactccccca ccgtgaattc ctgcctaca tcgactocaa ggccgccgaa 240
 gtcggcgctc gcaacttcgc agtccaagac acggagacta ccgtcctgct tctcaagacg 300
 ctgaaccacg ttgcgagctt ccgctggcgc cattggctgt ttgccaggga gtatatcatc 360
 aagcggacgc cgtcttcacg cccaggggct ggaaggtacc gcgct 405

<210> 4705
 <211> 480
 <212> DNA
 <213> A.fumigatus

<400> 4705
 gctacttcac cgctattcat ccgcactcac gaactcaact cccggctaac aacatcagac 60
 atgtgggcca actccaagcc ggccgaatac ctctccttcc gcgtcttcat cttcggcatc 120

acctctcaat	ccatgttccc	caacggcgtc	atctacgacg	gcgtcttaga	caataaaccc	180
ctctacttcc	gaggagaaag	tggcgccaac	gacagcatgg	tacgctccct	aactggcctc	240
cctttttatc	tgcaatccca	attaacatct	atctacctca	gatccccctg	ctcgaccacc	300
tcttccaaat	ccccatgccc	tccaccccc	tcaccaagat	cctacacgaa	ttccgcgcct	360
acagaccact	ccccaccgt	gaattcctcg	cctacatcga	ctccaaggcc	gccgaagtcg	420
gcgtccgcaa	cttcgcagtc	caagacacgg	agactaccgt	cctgcttctc	aagacgctga	480

<210> 4706

<211> 339

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (224), (225)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4706

atcgctcgca	atcataaaat	ctatgggatg	tggttcgatt	tcgcccagcg	gcctccccctt	60
cagatcccc	aggctcatcg	agatatcttc	aaccatatag	ccaacgtcaa	ggccgccaag	120
ttcaacgata	agatgacgcg	gagcagaaat	gacacgaaca	ccatcacggg	gaccgactca	180
accctccatg	ttgaaaaaag	gcggcttcta	aatgctgtcc	tcanngggaa	gtcgtttcat	240
tccatggagc	ccttgctggg	taagctagta	acacactggg	gtaagctgct	catcaacggg	300
ccctgtacgg	cttgggtccac	tccccgggga	aatgtctga			339

<210> 4707

<211> 462

<212> DNA

<213> A.fumigatus

<400> 4707

gagggtattgt	cggcattatc	ttggcaacga	tcaacatata	ctgactgctc	cgcagactcc	60
tcccccatcc	ggtatatgtc	tagctccagt	ccaactcgag	ctcagaatcg	ccagtcccgg	120
cgttccgaca	ttcccagcag	cagcagcgga	ttattcgtct	cgtccagacc	cagcatcgag	180
agcaaccgtg	ccgtgtcccc	ccgtagcgac	cttcattctg	gtgggtttct	ttctagcccc	240
aaccgtcgcc	gcagagtitt	tgtcgatgct	aatgggtatgc	ctgcgaccga	tggcgatcca	300
cgttccgatg	ccaccttctc	gaatatccac	ccagacacct	ctgaggccga	ggccttgggc	360
ggtagctcaa	cccgtgtgat	ttggggtacc	aacatctcca	tccaggattc	catgtccgca	420
ttagtcttct	accacggggc	tgggaaggctc	cgcgattgcg	gt		462

<210> 4708

<211> 1551

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (909), (1540)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4708

agctctggct	ccctgttggt	gcagggtcaaa	atgacaaaga	aaagcgtctt	tgatcttcat	60
gattcgaata	tggcctatcg	cctgtctggc	cagctccgcg	gccaacaac	gcctgtgtgc	120
gctcccagta	cagcgccctc	tcagacgacc	accaccacct	cgttttctcc	tgcagattat	180
gcccagcctt	tttgtgactt	tatgactgca	catcctacaa	tcttccaagc	cgtcgacggt	240
ttcacaagg	agctcgaaag	caaagggttac	aagcgcttac	ccgagcgtga	ggcctggacg	300

tcgaagctac	aacgtggttg	gaagtactat	tgcacccgga	acggtagtgc	gtttattgca	360
ttctctgttg	ggaagaatta	ccagagtggg	aatggcttgg	ctattgtggc	tggccacatc	420
gatgccttga	ccgccagatt	gaagcctgtc	tctaagcttc	ctaccaaggc	gggattcgtt	480
cagctgggtg	ttgcgccta	tgcgggcggc	ctcaacgaga	cgtggtggga	tgcgatctg	540
tcaatcgggtg	gccgtgtctt	ggtcggggat	cccacttccg	ggaaggtaga	atcgaaattg	600
gtcaagctgg	actggccaat	tgctcggatt	cctactctgg	ctcctcattt	tggcgctcct	660
tcgcaagggc	cctttaacaa	ggagacgcag	atggtcccta	tagttgggat	cgacaactct	720
gatctcttcc	agcagcaagt	gtcacctacg	gccactcga	gcagtgggat	caagcccggg	780
tcgtttgcgg	caactcaacc	agagagattg	gtcaagatca	tttccaagga	gctggggatc	840
acagattatg	atacaatcct	gagctgggag	ctggagctct	atgacagtca	accagctcgc	900
cttgggtgnt	tagagaagga	cctaactctt	gccgttcgca	tcgatgacaa	attgtgctgc	960
tatgctgctc	agcaggcgct	gctagcttct	tcagatgaca	catcgactgg	gtcgatcaaa	1020
atggtcggca	tgtttgacga	tgaggagatt	ggcagcctgt	tgcgccaggg	tgccagatcc	1080
aactttatga	gcagcgtcat	tgaacgcata	accgaagcct	ttgcatcgtc	taactacgga	1140
cccaatcttc	tctcccagac	agtggccaac	agcttcttcg	tttcctcaga	tgtcattcac	1200
gccgtgaacc	ctaactttct	gaacgtgtac	ttggagaacc	atgccccgcg	cctcaatgtc	1260
ggcgtggccg	tctccgccga	tccgaatggc	cacatgacga	ctgatagtgt	gagttacagc	1320
ttcatcaagc	gggttgccga	ccgatgcggc	tcgactttgc	aggtgttcca	gatccgcaac	1380
gattctcgca	gcggaggaac	catcggaact	atgaccagcg	ctcgcatcgg	catgagggct	1440
attgatgtgg	gcaccccgca	gctgagtatg	catagcattc	gggccacaac	gggtagcttg	1500
gacctgggcc	tgggcgttaa	actgttcacg	ggcttttgn	tactcgcta	a	1551

<210> 4709

<211> 402

<212> DNA

<213> A.fumigatus

<400> 4709

actgatccgt	ccgcgaagct	atattccatt	atctgtacta	aggtcctgtg	gttcaatcag	60
gcgcacaagt	ctcgcaagat	ccgcacttcc	accaccttcc	accgtcccaa	gacccttcag	120
ctctctcggg	cgcccaagta	cccccgcaag	tcgatccctc	atgagccccg	tctcgacgcc	180
cacaagggtt	tcctttaccc	tctcaacacc	gagagtgcga	tgaataatat	tgaggagcac	240
aacactctgg	ttttcattgt	ggacgtcaag	gcgaacaaga	gacagatcaa	gctggccctc	300
aagaagctgt	acgatgttga	caccgtcaag	gtcaacactc	tcgtcaggta	tgaaacacta	360
gttttcgtgg	ttttaatgat	tctaccggaa	acagtattct	aa		402

<210> 4710

<211> 183

<212> DNA

<213> A.fumigatus

<400> 4710

ttcgggtgtct	gggcagcggg	tcaccatctc	gccgatgtct	gttggaagaa	atgcatcact	60
ggaaagattt	cttctggccg	tctggggccag	ggagaggaga	gctgcgcaca	gaactgtgtc	120
gaacgatgga	tggacacaaa	cttcgccgtc	ctcaagcacc	tggaaactct	tcgagggcaa	180
tga						183

<210> 4711

<211> 372

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (208)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4711
aaattgattc tgggtcttagt cgtaatgggc gagtacaccc accacaaagc aaccacaggt 60
gtcgaaacca tcgtcgtccc ctgcagcgac atgagcggcg tggtcattca ggtaggcgag 120
ggcgtaactg cctggaaagc tggcgatcgc gtctgtcga ccttcctccc ggatcaccag 180
actggacaag tgaccgaaaa agaattanca cgcggtctgg gcttgccact ggatgggtgtg 240
ttggcgacac atcgtgtgtt ccccgagtac gctctggttc gggcttctg tttatttgac 300
gcacgaagaa ggctattaca cttcccattg gcaagtgttg acgggggttg aagtctaatac 360
atgggcattc cg 372

<210> 4712

<211> 192

<212> DNA

<213> A.fumigatus

<400> 4712
agcatcgacc tgagccatcc catcgagagc tgtgcgttcg ccagggtgctt gagaataacg 60
gagcgaaact cattccagcc acctcctaac acctatgcgc cattctgtca aaaggcgagc 120
gccagatgca tgtgcttatt cgaccacgct attcccggag agagtatata tgctcttttc 180
gtggacgagt ag 192

<210> 4713

<211> 975

<212> DNA

<213> A.fumigatus

<400> 4713
aaactacgcc gcggccaggg catcacccca ctgtccgtaa ttccgccggt ctattttgag 60
gatgactttc atcttgaaaa tcctcggact ttcgacgtgg tatctgagaa gtcagaagtt 120
gtgagaccgc aaaagctacc aggaaaggac ggccaaggga ccaatgaatc ggccgctgaa 180
accgccatca ccggggagaaa ggcgcttgcc acaaatgcaa tcctccaaga aaaactctcg 240
tggtagatgg aactgtcga ggtccatctc atatcctcca tctcgagtgc gtctaaatcc 300
ttttttaccg ctctgggctc cctgcgagag ctacattcag aggcagccga ttcggtcaaa 360
aggatacaaa ttctacgaaa agatcttcag aagattgacc gtgagatggc gttgggtggc 420
ttgaaaattg tcaatctgcg acgtcgcagg gagaatgtgc gaatgcttgc agacgcggtg 480
tcccagctgc gagatgcggt tcagtcagtt gcgcgatgcg aggaattagt tgagaacggg 540
caaactcagg aagccgcaga cagtcttgaa gaagtagaac gattgatggc tggggagcaa 600
tccaccaata gcgacgagga tgggtgcatct cgagaccgat ctaggaagcc ggtcgacttg 660
cggagactca aggccttga aggcgcttcg gatgaccttg cgcagctgag gtaccggata 720
ggcatgggat acgaaaaccg gttcttgaac gatctacttg gggacttgcg caagcacggt 780
gagaatgtgc cttcggatgt gacactacaa cgctggggct cctcattcca acgacaacgc 840
ggagcgcagc gctcgggtgc ctctgcatct ccagcttata tgaaatttga cgatgacatg 900
agatcccggc tccatacga tctgattgga ctgcgccgtg cgcaatacac gacaccagca 960
gcgacgtcgt tctag 975

<210> 4714

<211> 213

<212> DNA

<213> A.fumigatus

<400> 4714
acagcagtc tccgggagat gaaggggcta atccgcaaac atatgcctag ctccagcgac 60
gatgacaatg agtcgggtgt gtcagtctct acgcaccggt cccaacaacg ttgccaacaa 120
gagaaatcat cgatactagc gcgcaacctg cgcgctctat acgcggagga tgctactat 180
atgcttactc gagtctatac cggcatcagc tag 213

<210> 4715
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 4715
 atcgttcaag aaccgggtttt cgtatcccat gcctatccgg tacctcagct gcgcaaggctc 60
 atccgaagcg ccttcaaggg ccttgagtct ccgcaagtcg accggcttcc tagatcggctc 120
 tcgagatgca ccatactcgt cgctattggg ggattgctcc ccagccatca atcgtttctac 180
 ttcttcaaga ctgtctgcgg cttcctcgat ttgcccgttc tcaactaa 228

<210> 4716
 <211> 1662
 <212> DNA
 <213> A.fumigatus

<400> 4716
 gcggatcctt ccagccccgt ggtgaagacg ctgcggggcca gatttttcaa tgtcgcacaac 60
 aatctccagc aacgtataac cgatgagagc gagggggcgt gttgcgtaaa gtggcatact 120
 ctagaagcga tggacccttc ttacatatcc acagcattgg accgctgcga aaggaggatc 180
 gacattttcc aaggcccaat ttgcgcggtg gagatattcg actttccaca cgagcagatc 240
 ttcttcacgt cagcgcacca tcttctcata gattttgtct cccaacaaat cctactgaaa 300
 gacttggact ctctgctggc cggcgaagag ctgtccacgc cagcaccatt gagttttcag 360
 gcctgggtctc tcaagcagat agagtatggg tccaacttgg cgttgtctcc gcaagcagtc 420
 ctctctcatc acgaaaacgt tccccttgcg aacctgaatt actgggggat cgctgcgatg 480
 gacagctgtt acgcccagac cgctgtgcgc gtccctggaat tcgactcgac cgtaacctct 540
 tctctcgttg gagatgcaaa cagggccttc aactccgagc cgattgagtt attcattgcc 600
 tccttactac attcattcgc caacacattc acggaccgat ctgcgccagc catcttcaag 660
 gaagggcacg gtccgccagac ccgggaaccc cggttggacc ctctctccac ggtgggctgg 720
 ttcacgacca tcaactctat cgccctagcg gtatccccc agctctcgac ctctcgaggac 780
 acattgcgac gagtcaagga tatctgtcgt gctatcccc ccaatgggtt cgattatttc 840
 acttctcgat ttctcaacgc cagcggatcg tctgcgttcc agtcccatgg cccatgatg 900
 gagattgtcc tcaactatgc aggggtactc aacaatgtcc aacagggtgg gacattgttc 960
 tgtcccattg ccactgagga acagcgacag atgaggatcc atgatataaa cccgcagttg 1020
 cgacgctttg ccgtctttga catctatgca caagttgctg gtggtaaatt atcgttttacg 1080
 ttgcctaca gcccctcttt gaattatcag gaccgtatct ccgcctggat tgaaagcctc 1140
 cgctgctctc tggaaagctat cagtgtggat ctcccagcga agcaaccgca gaaaaccctg 1200
 gcagactacc cccgtgcgcg tctggactat acagcattgg agcggctgca caaggatatt 1260
 ataccatcct tgtatcctgc caaactcgac gatgtgtggg aatgctcgcc cactcagacc 1320
 gtgatgctac gcgcacgac ctatcaacct ctcttctctt cgccccactt tatctggaag 1380
 attgctggta caagggcttc ggagggcaac cgggagcgac tgacaaaagc atggaaacgg 1440
 atagtggccc ggcactctgt cctccggtcc gttttcacia gccagttgac tgccacttac 1500
 caccaaatcg ttctggccaa cccgccgttc ttcattactt gggccgatat ggccggcaaa 1560
 gaaagtccat ccgaggccct gcgtcgtctt cccctctctc cgtoogatga attgcacttg 1620
 gctttccggc tgacagcgtc ggaagatgac gaaggtgact tg 1662

<210> 4717
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 4717
 gtctctccaa ctacggctat tcccgtatgg tctgtcgcag tcaccaccgt ggtggcggtc 60
 ctgttggcgt tgatcccat tgggtccgct gtgcgcttca acgacctctg tgccatgtcc 120
 attaccggct tgttccctct ctacatcatg gtgcgcgtcc ttctcctctg gagacgtacg 180
 actggcgcca tctcactgac tgctggtgct gacgagactg tgaacacgat cggggccaaa 240

ctagtctggg	gtcccttccg	catccctggg	gtctggggaa	tcgtgatcaa	cgtctttgct	300
attatctact	gtgtcatcgc	tatcttcttc	agcatgtggc	ccacctacag	cgaagtgaca	360
gtgcagacga	tgaacttcag	ctcggttggg	accgtcagtg	tgattctcct	gagcgtcatc	420
tactatgtcc	tccgcgcacg	tcatgtttat	gaaggcccga	ttgtggagac	cgtccctcgg	480
tag						483

<210> 4718

<211> 390

<212> DNA

<213> A.fumigatus

<400> 4718

cagtcggacg	gagaagagac	catgtccaac	ccccccgttg	ccgctgccga	tgaggctcgag	60
gtttccgctg	atgccggcgc	cggcgggtcag	atgtccgtcc	tcgatgctct	gaagggtgtc	120
ctccgcattg	ctctgatcca	cgacgggtctt	gcccgtgggc	tccgcgaggc	cgccaaggcc	180
ctcgaccgcc	gccaggctca	catgtgtgtc	ctcaacgagg	gctgcgagga	ggaggcctac	240
aagaagctcg	tcattgctct	gtgctctgag	cacaagatcc	ccctcatcaa	ggtccccgat	300
ggaaagatgc	tgggcgagtg	ggtcgggtctc	tgtatgtatt	ccccttatcc	ctttttgtgg	360
cgggaaacat	ccgacgtgcc	ctgggactaa				390

<210> 4719

<211> 276

<212> DNA

<213> A.fumigatus

<400> 4719

gtctcatggg	tccccgcgtg	caagtcatca	tcgaccgtgt	tcagattgcg	gtcacaggcc	60
acgctgaaaa	tgatgcccat	gaagcaagcc	gagcgaatca	aaggcatcct	caaatcgatc	120
tccctggaca	atatctatct	cccatccgac	cccggcggcg	cgattgatct	cacagtggat	180
gcaggcgagt	accaagcccc	cgtagccaat	gcaattgcag	agattgccaa	gggccgatat	240
accaaggcga	ttccgtccag	gaaagttccg	ttggat			276

<210> 4720

<211> 402

<212> DNA

<213> A.fumigatus

<400> 4720

actcgagtgt	ttggaccgca	gctacgcttt	ccagagatta	gtctggcggt	gaggcggcaa	60
gatgetcaga	tcatacagta	tgccctcgcg	tttttggtc	agacgggacc	tgcgactgg	120
gagaccctac	tccgggctcg	agccattgag	acacaatgct	atattatcgc	agcggcacaa	180
gctggacaac	ataacaaggg	aagagcgagt	tacggccatg	caatgattgt	aaatccttgg	240
ggcgagggtg	tggctaaact	tggagaggag	cccaaagaac	ctcaaattgc	aactgcgag	300
attgactttg	atttcttctc	aagagtcagg	acgaagatga	ggttgtctag	aggggtccat	360
ggatccccag	tcaaaattat	aacatttcta	ccacatagtt	ag		402

<210> 4721

<211> 618

<212> DNA

<213> A.fumigatus

<400> 4721

cgcacctcca	tcagcccttt	cttcagattc	cggctccctc	cattcttcaa	gctgaactca	60
gttccctcgc	cgtctgacac	gccctcaagt	atggcccgtc	tcggacagca	gatcatctc	120
cctggagctg	aatttccgct	ggagaccgca	gtggcactct	tggactacta	cagcaaagcc	180
gattattacg	tctatgagcg	cgatgatatc	tggtacctcg	ggctcgggtc	tcatgcatcc	240

ctagtcgtcg	atccaaaggg	gcaaaccgcg	acagaaatcg	acagtgaggg	ccggaaagag	300
tcgagtacca	tactcaactt	gtcacccggc	caagttcgac	agtttgtctc	caaataattcc	360
atccatggga	aaatcttttg	caggtcgggt	tcaactactc	ggcgcgctgc	tccggggcag	420
gcctatgccc	caagtcagtg	gccgatgttg	agtctcatgg	ttccccgcgt	gcaagtcate	480
atcgaccgtg	ttcagattgc	ggtcacaggg	cacgctgaaa	atgatgccca	tgaagcaagc	540
cgagcgaatc	aaaggcatcc	tcaaategat	ctccctggac	aatatctatc	tcccatccga	600
ccccggcggc	gcgattga					618

<210> 4722

<211> 969

<212> DNA

<213> A.fumigatus

<400> 4722

ctgcagtgga	tacatcgact	gcagtttggg	catcttccac	ccactgcate	tgtgacgcct	60
acggcaccca	cgccgtcctc	cacattgggt	gtctcccaga	atcccactgc	tgatcagtac	120
gccaatgtca	gccaggctat	cgcagctctg	cgtaatgatg	gccaggcata	caccatctac	180
atcaaggctg	gaacctatac	cgagcagatc	tccatcacgc	gcgcaggcaa	ggttaccctt	240
cgtggtgaaa	cctcctttta	gaatgattac	accagaaacc	tggttactat	ccagttttcc	300
tacggcgctc	taaccagtgc	aggtcaggat	gaaaacacgc	cggttatata	tgcaaagaag	360
acagatggct	ctggtctggc	gctgtacaac	atcgactttg	tgaacacgta	tccgcagacc	420
aagaacaccg	ctgccctggc	tgcagacttt	tatggttcga	acatggcagc	atatggttgt	480
tccttcatcg	ggtaccaaga	cacctctctg	gctaacatgg	gtgtgcaagt	gttttcgaat	540
tgctacatcg	aaggatcggg	cgatttcatt	tggggtttct	cgactgccta	ctttcatcag	600
tgctatatgg	catcgaatac	tgcaggcgcg	tacatcgag	cccagagtcg	atcctcttcc	660
actgccgctg	gtgggtacgt	gtttgacagt	tgctatgtga	cctacaccaa	cacctacggg	720
accacttttg	gtcaaacgta	cctcggcaga	ccttactctc	agtacagtat	agccggtttac	780
atgaactcct	acctggataa	gcacatcaac	agcgccggat	ggagtatctg	gtctaccagt	840
gcaccccaaa	ctgaccatgt	cacctttgga	gagtacaaca	actcgggtcc	tggagcatgg	900
tcgtccagcc	gtgcgtcact	tgcgacgtct	tcatcacagg	gctgccaggc	gccgcgctat	960
atgtatcag						969

<210> 4723

<211> 720

<212> DNA

<213> A.fumigatus

<400> 4723

gtggttggcg	aacgccattc	tgaggcttat	gaaggtacca	gcgtgactgt	agatgagatg	60
gaagtgtttc	gcaattgggc	tcaagaaatc	agccgctcgg	acgaggagta	catccagtgg	120
gagcaagatc	tgcagcaaga	tgtcgcagag	gcctggatgg	cccttctcct	gccgctggtg	180
aggaacgtcc	agcagctgcg	gttgggtatat	cccaaggaga	acaagtatct	cgaccgcatg	240
atgcagcggg	ccgtccagcg	agagaagccg	ttcgacacac	agcctgcctt	ccgtgctctg	300
cgccaagtct	ccttgggtca	cctggacgac	acgcttgaca	gcaagggcac	ctacgccccg	360
tctcaggtac	ttccattttt	ccagctacca	tcaatgcgcg	ccgtcgcagt	cgattcgggtg	420
gttgaatcga	cctctgcgga	tgagcagccg	caaccagagc	aagagcaaga	gcaagagcaa	480
gagcaagagc	catcgcccac	ctcgtcggtg	tctgaaatcg	tcttaaaactc	cagcagcggc	540
gccaacggca	tgacgagcat	tgtcgccgct	tgctccgcca	ttcggtcgtt	caaataccaa	600
cactcagacg	accatctgct	cgccgaaggc	taccagcccg	ctgccttcta	ccgctcgcgtg	660
tctgccagca	aacacacctc	gcacacactc	tggtctggaca	gctgcggggg	tgcactctccc	720

<210> 4724

<211> 201

<212> DNA

<213> A.fumigatus

<400> 4724

ggcatcagaa gccacatgaa cgggtgggtc cgcgcgcatc aggtcgggtt agtaaagaat	60
ttgcgggtgg cgtctaactg gccaatcatc aaatgcgatg acgcatctgc tcatgtttcc	120
tgtattaact atttggctgc ctgtggcagc tttatgacta gactacatgc tagcatcgca	180
atgttgacta cttctattta a	201

<210> 4725

<211> 477

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (26)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4725

acacatttaa agtcccaata cttttntagg gatcagtgtc atctttggcg ttcttattcc	60
caacatgatt acagtctttc ggaggtatgt tactttctca gaacaaaggg gcgtgagctt	120
cctctaaagt tactcaagat actctggacc ttttctatat ggctagaatc taccgctatt	180
cttccacagc tttttatgct ccagcgcacc ggagaagcag atactatcac cacgcattac	240
ctctttgccc tgggactcta ccgcgctctt tatataccta attggattta ccgttacttc	300
gcagagaacc gctttcagcc gatacccgtc gttgcaggta tagtcagac gtcctgtat	360
tcggactttt tctacatcta ttatacaaag tgggtcaatt gcacacgcat catttttaat	420
gataggctaa tgaagaacag ggtaatgaaa gggaaaaaat tttccctccc ggtataa	477

<210> 4726

<211> 1686

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1646)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4726

aacgccaccg cggatccttc cagccccgtg gtgaagactc acaaagagct ttgcagggga	60
ctaggactct gcaaaggctc gaagtttgat agtgaaccga gcgaaaagag cactcgcacc	120
ccaagcgagc atgtcaatgc gtcggaagga gaaaagtctg aacgtgtcaa tgcgcctcac	180
aggaagcgga aaaaggaagt caaagaaagt caagatgcc aacgaaatca agcaagtgca	240
cagcagcggg tagcacggca ggaaaaagag cgaagacggc ttgaacacaa gatgaagcta	300
atgggtgtga gcaataccga tcctactcgt caagcagtga gctttggaga cccaaccatc	360
tacttgaacc cgcattattg tcaacgcgta aagccgcac aactaaatgg cattcagttt	420
atgtggcgag agctgatata ggacgagaag caacaaggct gtctactggc ccatacgatg	480
gggctgggaa agacaatgca gggtatctcg ctgctcgata ctatctctgc tgcggctgct	540
tccaatgatc caaagatcag cgagcaggtc cccgagtgtc tccaccgatc acaaacgttg	600
atactttgtc cttcgtcact gatcgataac tggtagcagg agttccta atgtggactcct	660
gaagagtcac gcattgggcc tctgagaaaa gttacggctt cgatgatagc agtttctgag	720
aggctgcgag aagtgtctga ttgggataaa gaaggtggaa ttctgatcat gagctacgac	780
atattccgca aatggatcca caataaagag acgaaaaaga tggacaaaacc tctacgagat	840
gatgaacatg caaatgtgaa gaaatggctt ctggagggtc caaacattat tgtcgcgcac	900
gaagctcata aaatgaagaa ttctagtctg ggaatatctc gagcggccgt gcaatttctg	960
tctaagagtc gcatcgccct gactggttcc ccccttgcta acaacttgac tgactacttc	1020
accatgggtg actggattgc taaaggctat cttggggaaat ttcttgaatt caaggcaaac	1080
tatgtggagc ccatcgaaga aggtctttac gtggacagca cacattatga gaggaggaaa	1140

tcgctgaaga	agctccaggt	tctcaaggag	attcttgagc	cgaaagttaa	ccgtgccgct	1200
atcacctgtc	tagagggtga	tatgccgcca	aaggtcgaat	ttgtcatcac	tgttccctta	1260
actgaactgc	aacgggcagc	gtatgattca	tacgttgact	ctgtagttca	ggggaagact	1320
gaagttggaa	ctgcaaagct	ttggacgtgg	atggccatcc	tcgggctgtg	caataatcat	1380
ccagcttgct	tcagggacaa	gcttctcagt	cgcgctaata	aggcgcaaag	cgcagggtca	1440
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gagaagctgg	tttctgagca	agagcggcta	ttcgccaatg	ttcctgacat	gaacgcgctg	1560
aatctgtcgt	atcgggcaca	gcttctcgac	aggatcatca	gcgaatcaat	taagggcggt	1620
gacaaggtgt	tggttttctc	tcatantata	ccgactctca	attatgttga	acacgtcctc	1680
aagaac						1686

<210> 4727

<211> 333

<212> DNA

<213> A.fumigatus

<400> 4727

cagatcacaa	ggggcaagtg	gtacaaggac	ggtgacaagg	acgccgaaat	cacaagtga	60
gatgtccagc	aaaagacggc	accccagggc	ggttccgtga	acgtcaactc	ttgcggtcgc	120
agcgacgctt	cgagtgggaa	gacgggaggt	tttgatttgt	atgacggcaa	taccaagatt	180
ggaagagtcc	actgggactg	tccatggggg	tctaaaacca	acgatttcga	tgttggagag	240
agaaaacaaa	attactgggt	cgaaattgga	acgtggaaca	agtatgggtg	tgccattggc	300
actgttgacg	ttgaagttgg	aaggaagcgc	tga			333

<210> 4728

<211> 831

<212> DNA

<213> A.fumigatus

<400> 4728

gatgtacca	aagaaccag	aagctcaatt	gcagcaacaa	cattacctgc	cggggtgcca	60
gagccaacac	ctttcttccc	agcttcagaa	caaggcccag	aaccogtgac	gacgaatcta	120
ccatccagta	cagaaccgc	cgatgcagtg	tcgctatcat	cctttgttgt	cgtcgctcct	180
tcagatgtcc	ataaagctc	cctcccaact	acttcctctc	tctcagactc	tccaccaaac	240
catgaaagca	acacggacat	tcgcaaatct	gtcccatctc	ctacctctta	taatcagaca	300
tctggcctct	cgtcgattga	tggctcttca	tcgactgagc	tgtcgcactac	accgtggagc	360
tcagaagtcg	cgacgactcc	tacggtagag	accgggtttc	tggtcgagac	ccccacatcg	420
aacaccgtta	ccgcagcatt	tccttcgcga	acgaaccctt	cgcagaactt	ttcggaccac	480
gattctgagg	acgtgcgcaa	ccgtcataca	cttcgtacga	ttttgggcag	catcttcggt	540
actgtgggct	tgatcgccgt	catactctc	atgtgctttc	tgatttatcg	ttataggcgg	600
cgaaaaccgc	gggacggtcg	aagtatcggc	ggcagcgaga	aactgctgcg	cgacggtcgg	660
cactctgcag	actcctgggc	aagctcgag	catgcctttt	tatccaggac	gtcatctctt	720
toggatgctc	cttctgcccc	ggaccatcat	gtgccggcac	tgaacatggc	ttatgctcat	780
gtcagaccgg	gactctctca	tcatctgccc	gccgggctga	aagtaaggca	g	831

<210> 4729

<211> 378

<212> DNA

<213> A.fumigatus

<400> 4729

ctgattaggc	aacgtgccaa	caacgtcgat	ccatattttgc	gtgaaaccgc	gctgaagtcc	60
tttctggaac	ctatcaggaa	agcctggcaa	gaagaagaat	ttcggaccac	aagtcctca	120
ttcgaaggct	tctgtgacat	gcttgggctg	caaaatgttg	ggccatatat	gcagaagaac	180
caagcgcaga	agctggaaga	ctgggtccgcg	gttccgctgg	ataatgaagg	gaaacagatt	240
ccggaaacta	tgacgaggga	gtttcaggta	ttgagcctac	gccccacttt	gggggaccta	300

actttgtcac taattcgcgc tccagcaact accctgaagg gaactaagat aagctcgcag 360
tctcctacga gatattga 378

<210> 4730
<211> 189
<212> DNA
<213> A.fumigatus

<400> 4730
gttgcatttc agcgcctctg ggatacgtat tttctaacaa gaaactggaa gacgttctac 60
gatctgcttg agcogaaaat taaagaaatc accatggcca accgggtgga cgacaaactc 120
cacatggagc acacctcaat cctcctaatt atcatgtatg gacacctcca atcctcttct 180
gccctgtag 189

<210> 4731
<211> 426
<212> DNA
<213> A.fumigatus

<400> 4731
gagtcccgac gtcggcgact tcgctgcata gcgatgatga tggcgcagcc atttcctgcc 60
catcaaggca tgccgcaaca tcctggccta ccgccaggtc atccaatggc cccgggacaa 120
catcccaatg cccatcctgg tgccgggatg gtgcaagcgg tgcaccggc cgtgtcggcg 180
ccaggagggc ctcaagtcac tcaaggagga ccgatgatgg gaatgcccc aggcgctgga 240
acaactggcc ctggtggtcc tgtccaggct catgctcttt ctcatattggg gcctgcgcag 300
gcacatctgt tccaacaacc gcagtttgct caaacatgta cgtctctgtc cctttgtacc 360
acattgtcaa tttggagggg ggggtggagtc ttcaccacgg ggctggaagg tccgagcgtg 420
ctcatt 426

<210> 4732
<211> 501
<212> DNA
<213> A.fumigatus

<400> 4732
aggcctcaga gcttatgctc ttacttcgta cgtatccttt gcttaaacga agcctcgtc 60
ggtttctcga ggctaacacg gaaacaaagc gcgttcgagg attctcgttt cactccgatc 120
ccacagtcgc ttctaccatc attatcatgt tctctgactc tgctcggctc ctttgagccc 180
tgcaccaatg ctctggactg gatacttggg gtgcatggta tccgtatatc tttcattcac 240
cgcgcccggc gctatggcgc cacttatattg cccgatatag ccgtagagca aggttgagcg 300
aaagaggaaa ccctggaaag cctgatgcgg aaagctggct gggacggagt gaccacgggg 360
ggtgttgacg ggcgactcct aagaggcagc agcggcgggc gccactctgg ctccagcaag 420
ccatgggagc aggtctcaga ctttcgcgta gtgaaatata agggctctca ggctagtgcc 480
agctatgcgg aatggcaata a 501

<210> 4733
<211> 699
<212> DNA
<213> A.fumigatus

<400> 4733
agccagtggg ttgcttttgc agaagtgagg gttgaacacc gtttccattg ctttggacat 60
cgcaagatgg caagtccagc ccattgcatc tactgctttg agtgcccttg tgccctttat 120
aaacgccatg agcccatcga tcttgacgct gttgaggagc tgtgggaacg atacgagcag 180
tccaaaaagc ctgcatctct tcaggacatt aataaccctg tttctcaaag ggatagtgcc 240
gaccttggac gggagggtcgt agtggaggag gaggaggagg aggatgacga tgatgccgac 300

gaggaactcg	acacgacgca	gcgcggtcc	atgaagtcga	agagtagccg	tccacactct	360
atcaagctgc	ccagtgtcag	tgccttcaa	agccagttgt	cttcggactc	ctcgagcgtc	420
tccactactc	cgtcagtcac	gtccaccagt	tcctctcgct	cgatcttata	cggttccacg	480
gccgccacga	ccccgatttc	agaatctacg	caacctgaga	tggcagagac	gcggcagcaa	540
aggttacatg	accaacgtta	tccattgttt	gtgacgtgga	ataccctgtc	gaagaacggc	600
cacaagtcce	tccgtggatg	cattgggtacg	ttcgatgcgc	acgagctcgc	tgaaggcctc	660
agagcttatg	ctcttacttc	gtacgtatcc	tttgcttaa			699

<210> 4734

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4734

tcccttttta	aaatgtcatc	ttttatgttc	acatgtaaaa	gtagattaag	cgaccagtg	60
catagcggat	ataaatcgat	gctgtggttg	ttcagctacg	aaaacttcgg	cccgttactg	120
agtagtcac	tcattggatat	cattttttatg	taccgctcta	tatccttccc	ttccccagaa	180
gatatatata	catcaatcgt	caggcatgac	atttaa			216

<210> 4735

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4735

tacaggatct	tgcgactatg	taggttctac	aaaaattcag	aatgcatcca	tactgaccag	60
ctggtcagct	accagaatca	acgtgaagtc	gcgagggtta	tcaagagagc	cttccaggac	120
atccccggcc	tcaagcgtga	ggatctcttc	atcgtagctc	gagctcaatc	accgaaattg	180
ccttaa						186

<210> 4736

<211> 321

<212> DNA

<213> A.fumigatus

<400> 4736

caattgcaga	catccaagct	atggaacagc	cagcatcacc	ccgacgatgt	tgagaaggct	60
cttgatgact	gccttgctga	gctcgaaactc	gactacctag	acctctatct	ggtacactgg	120
ccgagctcat	tcaagcgagg	cgacgagtac	ttccctctcg	tcaaggacag	ccctatcccc	180
gagggatgatg	tcgaaatcga	tgacagcatt	tccattgttg	acacctggaa	ggccatgatc	240
aagctcccca	agagcaaggc	ccgcgccgtt	ggtgtttcga	accacacca	tgagcatgta	300
agtcaccggc	accacaattg	a				321

<210> 4737

<211> 363

<212> DNA

<213> A.fumigatus

<400> 4737

tttttgcagg	cctttggtta	caacatgctc	ggtctccctc	ttctgatcgc	cagcgacgag	60
ttcaaggcgg	ttgctgccga	cgttcccaag	agactcggcc	aggaagtctc	ccccgctcag	120
gtcatcctcg	cctggctctca	ggtcgggtggc	cacagtgtca	ttccgaagag	cgtgacccca	180
gaacgcatac	gatccaactt	ccaagagatc	gagcttactc	ccgaggaagt	cgagaggggtg	240
tctgctctcg	gcaagcagcc	ccgccgcttc	aacatccctt	acattgccaa	caagcctcgc	300
tgggatataca	acatcttcgg	cgaggaggag	gagaagcccc	ccaccacaaa	ggttattatt	360
taa						363

<210> 4738
 <211> 693
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (672)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4738
 gctctctata gcgtagcgag ggcgccacgt ctctggcaga gagatatttc gaaagcactt 60
 gaagagatag gtttacagag aatcgacact gactcatgtc ttacacaga tgataagact 120
 gtcgtcctgg tgtttatgga tgacatacta ttctttacc atcataaaag caagaagcat 180
 gctgacaatc tgatttggaa actacaaaaa caatacaaat tccaagacct aggcgaggga 240
 gatagcttcc tgaacatcaa gatcaccaga gatcaaatga aacgaaagct atggcttagc 300
 caacgggcat acattgagaa gatcggttga agatattcatt tggatttaac caatcagaag 360
 gcacgaacgc ctgcaacgac agatcgcta cgcccttaca atggaaaggc tacggtaaac 420
 aagatacacc actaccaatc caaaatcaga tcaattctct acgccgcagt gaccactcac 480
 ttagatatcg ctaagataac atccgatcta tcaaggatc tattgaatcc aggaccggcc 540
 cattttgacg cagccaatcg aatcattcta tatctctctt cgacgaaaga ttatgcattg 600
 gaatatggaa gtgacttgac agggaaatc ttcattcatta ctagtaacgc cgctacgtc 660
 ttcacaacag gnttcagggg cggtccatct ata 693

<210> 4739
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 4739
 tggatatgta ctgctctaac gacatccggg aaactcactg ccggcgaagt cctgagaaca 60
 ttctgggcct gcttgacggc ggctcagtcg atcgagctag ccttaccgca agtaaatagt 120
 atggagaaaag gcaagggtgc cgcgataatg tttaaaggatc ttctgaacga ccgaagagt 180
 aaaaagcgcg ctgaggagtt ggaaggagct tcatacccc gatattgtga aggtgatatc 240
 gaagtgtgcg atgtaagttt cccggctaac aattcctgcc cagttttcta a 291

<210> 4740
 <211> 1185
 <212> DNA
 <213> A.fumigatus

<400> 4740
 tcttctcagc ccgacaggcc catattaagt tcagttagct tcttctttcc tgcaggtgaa 60
 acgacttttg taattggaga aagcggatct ggaaagagta cgctcggaca attacttgcg 120
 cgattgtata tgcccacctc aggcgaaata ctaattgatg gcaacgcaat tcaagctctc 180
 agcctcaact ggatcaggaa caacatcaca cttgtcgacc aacagagcgt gcttttcaac 240
 gagtccgtct tgactaacat tgccttcggc cgctcgggcac acgagacagt gacgaaggga 300
 gacttgccgc aatgcataga tttggcaatg ctgagggaca ctattgacag cttgccaaat 360
 ggtctcgaca catgcgttgg gcctggggga agcttcttga gtggaggcca aaggcagaga 420
 gtggcgattg cagcagccag gctacgggac actccattc tcatcatgga cgaaccaacg 480
 agcgcctcgg atggaataaa ccgtatagca gtaatgaaag cgatacgaga atggcgcgaga 540
 gggaagacga cgaatcattat aacacacgat atgtcacaaa tcgtggatca ggattacgtt 600
 tacgtcctcg agcatggatc agttgtgcaa tcaggatacc ggcattgagct cgaaaatagc 660
 ccagcgaaaag agaaatactt tcgtttcagt gaaaggcaaa tcttatcgaa aagtcacccg 720
 aagccagaag tcccctacgt caatggcgag acgcaggaga taatcgattt tccgaatact 780

atctgtgtaa	gcaacttttg	cttcaaagag	acaccagttc	tgtcaaggag	aattccttcg	840
caacctaaaga	acactcaact	gttcgaccgc	agaatggaag	aaacgcagct	tgctgcagga	900
ctgagaaatg	tggttaaggc	agcgtcccaa	gccgagatct	ccatacctga	cggagttgct	960
ataccgatgt	gtgaactaag	tatggcgagc	tcacgcaggt	cattaatctc	cgctcatcga	1020
ctccgattac	atcgcgcttc	tctacctcct	cctgtccctg	caataaatga	ttcgcggcct	1080
atcaagcggc	cacaatacgc	cggaggggac	actccacttt	cagggccgca	tcgtctctcc	1140
atgaaaccag	atcatgcgga	cttaattgcc	cagccttcac	cctga		1185

<210> 4741

<211> 879

<212> DNA

<213> A.fumigatus

<400> 4741

gaagacgcca	gcagccgggt	tgaagggctg	cgcgcgcagg	atggtcggat	tgccagtggg	60
tctggaccga	aggggtgtgt	gttcgatctg	ttcgggagcg	cctttgttgt	cttcgagctc	120
cacacgctgt	ttgcgctgtc	ggtgacgctg	ctggctcgtg	cgccgctcgt	tctgctggtg	180
acgagcatcg	cgctggctcg	cgcggacaag	atgtatctgt	tccgatcgtc	ggcatcgccg	240
gaggacagcg	acggcagcga	ggtgggtgcc	ttgcacgggt	ttcggggcct	ctttcggttt	300
ccctttctgc	tggtgatacc	cacggcggtg	acgggtgggtc	tggcgtagct	ggtcaccaag	360
ttcaacccgt	atatcatcca	cagcagcgag	tatgcggtct	ggagtatgat	gatatccgcc	420
tgggtctttc	tggcgtgggt	cgtctcgcgc	gtggcggact	ttgcgcggcc	atcggcgctc	480
catcgctgtg	acacgttgac	ctggctgttt	cttgtggagt	gggtgtttct	ggtcatttcc	540
acggctctacg	agaaccagta	cggctctggcc	gggggctatt	ttgtgctttt	tgtatttgcg	600
ggcacgttcc	ttgcgacttg	gatctcgtat	ctggagctgt	ttgctctacc	acgcaagtcc	660
gactacgcga	cgcagcttgc	gctgccctcc	cggcggacca	gtagccacgg	cagccggctg	720
ggcacggcct	cgggcgagga	tgtcgaagac	ggcggaggacg	aggatgacga	cggcaccacg	780
gcgaggcgca	cggagacaac	ctctttgctg	cgcggacagc	gcaccacctt	tgccaactac	840
gtccggctctt	caccacaggg	gccgaagcat	cgcgcgctaa			879

<210> 4742

<211> 465

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (104), (177)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4742

atattctttac	ccgagccgca	accagagaca	acagcatgca	cgatcgaaac	tgccaccact	60
gatccgccgt	ctgggtggact	aaccacgtca	caaccttcgg	ctgntaccat	ttcttcatcc	120
tcggctcgacg	actacaccag	tggaatgtct	caaagtgcct	ctcatccaag	tatcccntcg	180
gtcattttccg	gtgcatcatc	tttttccggt	gatgggtccc	tcaaggacaa	ggagtgtgac	240
cagggggctcg	cagtcacctc	catccttcgc	acgggtgaaa	cgggtcaaggc	tagactcctg	300
cggccccagc	ggtcgcacga	ggacgatgag	tcgcggtact	actgtgatga	cgaactgat	360
tcggaggacg	actctgaaga	tgaggttctc	gtcattggca	gaaagaagcc	gagccctcag	420
aagccagcga	tgtgtggggc	tcaggctttc	aagcccaagt	cgtga		465

<210> 4743

<211> 1548

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1090), (1111), (1437)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4743

gaagaccaag	tcgctgaaac	cgacgcgact	gaactcgatg	atgctcgaga	gttatccaaa	60
actggtggca	caccggcctt	ctacgcacca	gaggtgtgct	acactggcga	tgactttgaa	120
gagacaattg	gctcgggtgcc	caagattacc	ggcgcgatcg	atgtttggtc	tcttggcggtg	180
accctttatg	gaatgatctt	cgggcggtctg	cctttcgtgt	ccgatgatga	atacagcatg	240
tttcagacta	ttgtcaagaa	ggatgttttc	attccacgca	agcgtttgca	gcctgtcgag	300
gtagaccctg	agtccatcag	ccaatggccc	cgatactcga	acaacaacaa	gcgcatggag	360
gaagagcttg	tgtatgagga	gatcgacgat	gaactttacg	acctactgaa	gcgattgttg	420
accaaggatc	ccgtcaagcg	cattacgggtc	aaggagatta	agcaccaccc	ttgggttctc	480
catggcctgc	cgaatccccg	ggcatggatt	gaggaaacgg	atccaggcta	tcagagcaag	540
ggcaagaaga	tcgaagtctc	caacgaggaa	gtcactacgg	ccgtcagcaa	ggtgccgttc	600
attcaaaggg	tacgggtccaa	tggtgccaaa	ctgtcaaact	acctcactgg	aaggtcgaaa	660
gacaaggata	aggaaagtgc	caaacgaacg	tctagtacca	caccatcgat	cgattcgtct	720
gcttcaagca	atgctagttt	ggggaaatat	atcctggacg	gtcgtcgagg	cagtctcagg	780
gaggaggatt	tgtaccgtcc	tgccaggctg	gcgacaaggg	acgctgaaca	tccgctgtcg	840
cacagcgtga	cggcgagccc	cgtcgggtcgg	gataatcaga	cctcatactt	tgacgactta	900
agaactgatg	ccacgcttga	tcgtacgcct	cgcccagatc	cccctcatcg	cgcgacgtca	960
accttgtcta	ctgccggatc	tgcaaagact	atccggccag	actggacagt	cacaccgtgt	1020
gcaagccagc	gggtcagtgc	gccttcgaag	attgagaacc	acggcactac	tcatgtcggg	1080
ggtctcttan	gcggggcagg	ccgtcggcta	ncacgtggcc	tacaaaccag	aaagtggcgc	1140
tcggataggt	ccatttccgg	agataccgca	gactccgtct	ccctggatgg	tgatcgtcac	1200
tcagaaccca	gcctggcatt	gagcgtcgct	tccgcagttg	gtcacgttca	aggctcaaac	1260
ttcttgcagg	acgaagactc	ccactatttc	catgcaggga	gcttgagtgc	agcggaatca	1320
ggacatcggc	gcaatagatc	tcaccacctt	acgaccaagt	catcgcatga	gccatttcaa	1380
ttcgcgaaag	acgtactgct	gaagaagcga	cggagtgcga	tttaccaggc	ccctgtngac	1440
gaccaagtgc	caccggaaat	caagagcaag	tccacagact	cgctaaatat	tcttaccgca	1500
gccgcaacca	gagacaacag	catgcacgat	cgaaactgcc	accactga		1548

<210> 4744

<211> 222

<212> DNA

<213> A.fumigatus

<400> 4744

atttttccaca	gtcttacgga	ggattacaac	ctcgagttac	aataaccgcaa	gccgttctctg	60
gatattttggc	gtgatgaaaa	ggatgatccg	gagctgggtc	ccttgagcga	gcgcatgggt	120
gtccgtgacc	gagtcactgg	caaactactc	atgacggagg	aggaaaagga	agcggccagt	180
gagtctctct	attgtggcca	ggtcgttctg	tggtcatgact	ga		222

<210> 4745

<211> 414

<212> DNA

<213> A.fumigatus

<400> 4745

cgtggttagca	tccaatgttc	actatccatt	aacgcctttg	aaagtgaaga	aaaagcgagg	60
cagatgtctgc	gcaatgttgc	aggctgtctg	aagaaggagg	gccgattcct	cggcggttgc	120
ccgaactcgg	acgtgatcag	cgcgcgagta	tcagaaatca	atgcgaagaa	gaaggcgagg	180
caggcacaag	ccaagaagga	gaagtctgac	gaggctcctg	aggacgggga	ggtggaagag	240
gatgacggca	aggtggaatg	ggggaaccag	atctaccggg	tccgatttcc	tatcacgcct	300
cctgaggatg	gtgttttccg	tcctcctttt	gggtggaagt	acagctactt	catggaagag	360
gccgttgaag	aggtcccggg	atacgttggt	ccctgggagg	cgtttcgagc	gtga	414

<210> 4746
 <211> 285
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (243), (256)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4746
 cgagacgcag ggcgcaactc cccggccggc atcgcccgcg ccagcgccca ccagtacgcc 60
 cacaacggcg caaaagccgt ctacctatgc gacttcacag acacgcactt ggaaacgcac 120
 aagcgtgaga tcgagtcctt gtatcccggg gtggacgtgc agatccgcgt gtttgacgcg 180
 gcggaggaag acgccgtcaa ggccgtcgtg gccgatgcgc ttgcgttggt tacttggccg 240
 atntggccca caggtngaag gaccgcgtcc cacacggccg cgccc 285

<210> 4747
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 4747
 tgtgacagtc tgggtgctctt catcaatccc ccttcgggaa tcctcttcat cttcatcctg 60
 gggacgctga ccctgctgat tggcatggcc ctgcgctggg cctgggggtgt tatcaccatg 120
 aaagctgctc tggctgcgcg tcctcaaaca gaaacgctgg cccgtctgca gatgcttgga 180
 caggaggcgg ccagacaggc gaatgcaacc ggccagagtg ccgccagcgt gcagtcgcag 240
 ctctatatat acgggttcat gctggatgcg cgagtatcgg tcatttactt tgctatgacg 300
 tgtgtattta tctactttct ggtacgttat atcctcgttt tgcattttta tcaggtgact 360
 gacatgagaa aaaaaaaaaa gcccggctgc gcgcgcgcaa tcccaagttc acgctcgctc 420
 agatcttcgg gaccatcatt gccgatctgt tcttga 456

<210> 4748
 <211> 912
 <212> DNA
 <213> A.fumigatus

<400> 4748
 agtagctcca accgtccggc ggctcctgtg ctgcggaagc gcgccaaccc tcattttattg 60
 aatctcaaac cagagcctga gaccctcga ctgtctccac gagccatgac tgttctggga 120
 gtctcagcgc tcaccatcag cacctattgc ggctatctct acgcttccta taggcgggaa 180
 gtaagtaatg cgaagtcact tgatgttccc caggatgtat cagaccggtg caaccgcacc 240
 gcacccaact ttgacgctga agtcgaaatg tcagagaagg tgatgcgtat gggcaagaaa 300
 cgacaagacc ttgtccggaa ggccgcgcggg aatgtcttag aggtgagctg cggtaacagg 360
 cgtaacctgg agtattacga cctgggggaa agacgcggtt ttgatgaaga cggaaaagca 420
 gtgatccggg gctgtcgtc cgctaccttt gtcgatctta gcccgcaaat gatagaagtc 480
 gcacgcagca agtctgagaa gctccatccg aacttcaaaa atgtgacgtt ccgtgcgcag 540
 gatgcgaagg acgtcgttcc cccctcggcg ggagagaagc cagcatacta cgataccatc 600
 gtgcagacca tggggttatg ttcatgccc gatcctgtag gcacctgcg ccatttggga 660
 tcgatcacag aaccgaacaa agggcagata tttctgcttg agcatggtcg gtcatactac 720
 gactggctaa acaatatctt ggacaatttg gcccctgcgc atgcggaccg gcatgggtgc 780
 tgggtggaatc gggatattgg cgagattgtt cggcagagtg ggttggaat cgtggaggag 840
 aaacggtggc actttgggac aacctggaag tatgtcctga ggccagtacg tgaaagtcag 900
 gatgctaaat ga 912

<210> 4749
 <211> 735
 <212> DNA
 <213> A.fumigatus

<400> 4749
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 gcgtacgccc gtgttcaagc cgcttgtgat gcgcgcaatg aaggccagga tatcttcatc 120
 ctgcgccgga ccgacgcact catccatggc tgggacgaag cgattactcg tgcgaaggag 180
 ttcaagcggg ttggtgtgga tgcagtcctt gtggaggcgt tgccagaccg ggaggccatg 240
 aagcgttgct ctgaggagat tggatccca gtctttgcaa atatcattga aggggggaag 300
 acagagaatc tctctgcgct ggagctggcg cagttgggat tctgtgcagt tgcataccct 360
 tggacgcttg tagctgctaa gctcaagagt atcagagaaa ctctggatga cttgaaaaag 420
 agcatgacca ttggtgcacc acctatgata ttgggatact cagagggtgtg tgagggtgta 480
 ggtttcaacc gatattgggt atgttatata ctttctaacc tgtcttttcg aaaaacttat 540
 cacatgctga ctatggccag gctcgtgaaa caagatatga gtatgatgag aacgggctgg 600
 tcaataattt tgaagacgga gctaggcaga gctagaaaag tgccatatat catgacggta 660
 cgtagagaaa gattatttag aagggtgctgc atatccttct ctgtcatata cggttgttgt 720
 tggcttcaa gatga 735

<210> 4750
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 4750
 atcgtcttac ggattcggca caacctcatg gtttacagaa gtggcagtat cgcctttgaa 60
 aaagtgcctc ctaactacgc catcctgaaa accgtgactc ctgctgagga cgtaagagga 120
 gatacgctct gggcgtctgg atatgaggcc tacaatcaac attctccagc ctggaagaaa 180
 ttcgcggagg gtttgacagc caccattac caatccacgt tcaataatgt catcagaaac 240
 caggatatgg aacttatcac agagaatcgc ggcaatctgg ggaacagtgg tgtgatatcc 300
 aaagcctcct ag 312

<210> 4751
 <211> 402
 <212> DNA
 <213> A.fumigatus

<400> 4751
 tgtttcgaag gttcaacaag gaaccccaaa caaaattcat tcgccaagc cctccagtta 60
 aggacgaact ctcttctcgc gttaattcga aggagccagg gttcccaaaa atctttcctc 120
 cctgggaaac cccatgccaa gtggctttgg gctaaccaga tacggggata tattccaatg 180
 gagaacatgt gcaggaagat tcaagagtta gtgcgtgtga ctgcatcccc agtcatggcg 240
 gatggagata ccggttacgg aagcccgatg aatgtcaagc ggactgtcga atgctttgcc 300
 gcggatggtg cggctggtat tatgattgag gatcagacgt ggccgaagcg taggtttcca 360
 ttttcaccag gggaccattt taccctgtca tggctaagct ga 402

<210> 4752
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 4752
 ggtagaagag ataagtatga gataccaagc caacttatgc tgatagttat atcacaacaa 60
 aatagtattc atcagatcgg tatggtagaa aagggttgtt ttcttgtgac tttgcgaaac 120
 tggcagattc taggtacctc ttttcatctt gaagaccaac aacaaccgta tatgacagga 180

aaggatatgc	agcaccttct	aaataatctt	tctctacgta	cgtcatgat	atatggcact	240
tttctagctc	tgcctagctc	cgtcttcaaa	attattgacc	agcccgttct	catcatactc	300
atatcttggt	tcacgagcct	ggccatagtc	agcatgtga			339

<210> 4753

<211> 237

<212> DNA

<213> A.fumigatus

<400> 4753

aaacatctcg	tccctttttt	ccttttatcc	tattttactt	ttattgattt	ttatttttac	60
tttattttta	gttttttgtc	ttcaaagatt	tttttttcga	agatctctaa	tctttatcta	120
caggatggga	atccgaacac	catttaccct	ttcaaataat	tcctccggac	cagtgtcgct	180
agagctagaa	acgcaaaagg	ccaagctggt	ccagaagagg	cggttaacgg	cacttga	237

<210> 4754

<211> 201

<212> DNA

<213> A.fumigatus

<400> 4754

tccggtactc	agaggctcca	aatctccac	tatcaatcgt	cgtttgccct	ccagggtatc	60
atcatcgctc	tccaagaacc	catccatgtc	atcatcccct	tcatcacttc	cttcctcctc	120
ctcctcggaa	tccagatctt	cgccctcttc	cggctcctcc	cactcggcct	cggaatcata	180
gtcgtagttg	atatcgggta	g				201

<210> 4755

<211> 1098

<212> DNA

<213> A.fumigatus

<400> 4755

gcacaaacga	aactgaatgc	atTTTTcgTc	aaacctaAAC	ctccagcaca	gccaaactgac	60
gatactgctt	ccgactcacc	caagataccg	atcgccgatg	gtgtctcaaa	gtcaacctcc	120
cagaacccca	ctccgcctca	atctgactat	caacgagaat	ttccggactt	cttcttacag	180
tctcacacaa	gaatcgcccc	gccgcaccag	ttcgaaactg	atccacaggc	tctttctcac	240
gtgcgagaaa	gggtcgatgc	ttgcctacaa	tcctatcgaa	atgggtccgc	ggagcctctt	300
tcattccggc	cctctgaact	tttccgactc	atgccgtata	accggcggcg	tggagacag	360
gctgcctccg	tcaaagagat	tctgcttaga	atgcagagtc	tcgagcagtc	cgaccctgat	420
tctgcgcgcc	gggtcaaga	attgctcaga	cgcatacaaa	tgaaatctct	aaagtttggt	480
gaagatgttc	gacctcctta	ccaggggcact	tttaccaga	cgcttccgga	atctgctgct	540
attaaactca	tgcgcaatcc	cttccaccgt	gggtctaccg	atatcaacta	cgactatgat	600
tccgaggccg	agtgggagga	gccggaagag	ggcgaagatc	tggattccga	ggaggaggag	660
gaaggaagtg	atgaagggga	tgatgacatg	gatgggttct	tggacgacga	tgatgataac	720
ctggagggca	aacgacgatt	gatagtggga	gatttggagc	ctctgagtac	cggactacgt	780
tggcaaggcg	aaggcggaga	ccacgagctt	gaaatgtaca	ggatccagac	gaccatggat	840
tcggttacct	tccctattga	cccattctcc	acggcatatt	ggcaaaaacc	aaagccaaca	900
gagcaactcc	caacagggtg	gtgtggggcg	ttgcaactct	cattcattca	tgggtccgttc	960
cttccagcac	tcaattccca	aacttgctgg	cccctgtttc	ctgccgcggg	taatcccact	1020
ccccctgttg	aaccggaagg	gggtccgggc	caaatcagca	ccattgacaa	cccaaagcca	1080
attggccccc	catttttaa					1098

<210> 4756

<211> 774

<212> DNA

<213> A.fumigatus

<400> 4756

aaccgccgcg	acaggtgcga	aacgcgtgac	tggccgtccc	ctctggaaag	atacctttcc	60
tctctccctt	ctctcgtttg	gacgacggc	cctgttcaat	gttcacttga	ccaagacgcc	120
tttccgaaat	tcaactgtct	tatcgctgcc	cctgttgtat	tcgaatattc	gccgccgcgt	180
tctccggcac	acgggggcat	catgacgggg	gctccgcctt	acaatcctca	gtctccgacg	240
cagcaacctc	gttttcccg	ctattctcct	ccgaataaga	atcgttcata	ctatcccaac	300
aacgatcagt	accagcagca	cgctccgctg	acaccgccgg	ctttcgctcc	acaggcgta	360
ctgtctcgga	gtccccatta	ctcacatgcg	ccttcgccct	taccagctac	gctacctcca	420
ttaaaccggtg	gtgctcctcc	gccagggoat	catccggagc	cttcttcgca	gtatcagaca	480
cattcgctcgg	cagggacgcc	gcagttttca	ttagcaaagc	catattctgc	atcaaggatg	540
tccagcaagg	gcgcaccttc	ctacaaccac	tccactgctt	cgcacgccgt	tccatctgct	600
cgcattgaaa	gtctatcgca	atcgccctcca	aagaaagaga	cgaaccact	gtaccaaatc	660
ggaggaaatg	gtgctcctgg	atactcatcg	tcaatgatgc	gagagccccg	gccggcttct	720
ccccctagag	aaacggtacg	tctcactac	gagcattatg	gtaaacgaat	gtga	774

<210> 4757

<211> 561

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (548), (551)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4757

aaacatgctc	gcgctgccga	ccccatgtcg	ttcgccagca	ttctttcggg	cccgaactgaa	60
gagacctctc	ctataaagca	gccttccctt	ccagaagccc	tgccggggccc	ggcaaccaca	120
atcacacccg	caccaccaac	ccttgcccca	gtgccagcaa	ggagaagact	cacaccacct	180
ccagtgaagc	acgctcttcc	gcctacctcc	caacttaaag	ttaaggagcc	ggagcccac	240
tccccgcgag	ccttgccccg	acttgagaag	aaaccgagcg	ccgaaaaacg	tcgtcggaat	300
gtggaacaag	agcccaaadc	cgccgaagcg	cttcagattg	catctactca	cggtgctttc	360
gaaccgacaa	aagccgctcg	ggtctccaac	cgcaagacat	taacagagcg	agatgctgaa	420
gccatcaaca	agatcattgc	cgagattgac	aatgccgaca	agagcgatgt	cgagtcgcct	480
ggctttgaag	tggagtatgg	gcgctacatg	gtgaaaagg	cttcacacgg	ggctggaagg	540
atccaagnng	ngctcattta	a				561

<210> 4758

<211> 300

<212> DNA

<213> A.fumigatus

<400> 4758

gcagtgggaa	tacctttatt	aacttcgccg	atctgctcga	ggagaagaat	ggaggggttg	60
gccccgatat	gggagctcaa	gcatgacgcc	acactgaagc	agttttcgag	gggacagttg	120
aagcaacctc	tggacgcaag	cggtcttttc	aaccagtcgg	atgtccgcga	gaccgtcaag	180
cgatgggacg	agaataacga	gctggaggca	gtgctgggta	ggattgacaa	tgacccgaac	240
tcgattactg	ctcgatggaa	cgagagtcgt	cgttcacatc	agaaagaggc	gggtttatga	300

<210> 4759

<211> 924

<212> DNA

<213> A.fumigatus

<400> 4759

ctgaattccc	tccgcacccat	ggctacaact	ccgatcaacg	gccatgccac	aaagtctccc	60
tccttagatg	cggccgaagc	ccgccgactc	aaacacaacc	atgccgatgt	tgtgattata	120
ggcgcaggag	ttttgggctg	cgcgctggca	gtcgcattag	ggcgacaggg	gcggagtgtc	180
attctcctgg	aagcctcgct	gaaagagcca	gatcgcacg	tgggtgaatt	gttacagcct	240
ggcgggtgtac	aagctttgga	gaagcttggg	ctccgcgatt	gtctggaggg	catagactcg	300
attcccgtaa	agggctatta	tgtttcgtat	ttcaatgacc	ctgtgccaat	tccctacccg	360
aagcctacgc	ccgcgtcccc	ccgcgccggag	ggcgcgtgct	ttcaccacgg	ccggtttgtg	420
atgaagctgc	gcgaggccgc	catggcatgc	cccaacgtca	gtgtgtgtga	gaccaaggcg	480
acggacctgg	tacttgctc	gcacacccag	caggttcttg	gtgtcgagtg	cacatccaaa	540
gataacgtcc	gcgcgtgcta	ttttggccac	ctcaccgtgg	ttgctgacgg	ctacgcctcc	600
aaattccgca	agcaacatca	cccgcatacc	cccaagggtca	gtctcgaggt	ctgggggtctc	660
gagctgatcg	atacgaaact	ccccatgcct	tactatgggc	atgtgttact	gagcgataat	720
gcaccgatcc	tcctgtacca	gatcggcacg	catgagacac	gcacccctcg	tgacattccc	780
gaaaacctcc	cgtcagcgtc	cgtaagaat	ggcgggtgtga	agagccacat	gcggaacgtc	840
gtcctccctt	cactccctga	atccgtgcag	ccagccttca	ttgccgcctt	ggaacaaggc	900
cagctgcgat	ctatgccgaa	ttcc				924

<210> 4760

<211> 396

<212> DNA

<213> A.fumigatus

<400> 4760

agctcgagtg	caagatcgag	tccaacttca	aaggcgttgg	aaagaagaag	tcgaaatgct	60
gaaatggaac	ggaagattat	cgagttacga	aagcagattg	ccagcgtgca	agccaaccct	120
gctgccatga	cccctcagca	aacatgcgct	tctcttcaact	ccgcacatgt	cactccaaaa	180
caagagtcga	gccatgtcag	cctgcgggt	gtatatcaca	caccgtccgc	catctcatcc	240
gatcagtaca	tgggctctca	cgaggctgtt	gcacctctac	ttgacttgcg	ctccggcttt	300
gaaggctcta	actacatgag	aaatgggaat	ctgttcaagc	ggattgaaga	cgtggtggtt	360
gcgccggaga	aagtgaccga	gctatttgac	ctgtaa			396

<210> 4761

<211> 900

<212> DNA

<213> A.fumigatus

<400> 4761

ggttttttgc	atcggctctta	ccaaaacagc	tttttcatgt	tttatcatcc	ctttcttcca	60
ttccttgacc	gacaacgtgc	gccagatgat	tactacagcg	tatcaccatt	actgttctgg	120
actatcatca	gcgttgagc	tcggcgctat	cagacagata	cccctctgct	caactcgctg	180
gctggccctg	tcacacgact	ggtatggagt	acgttggcgg	atattcccca	gagttaccat	240
gttgtaaagg	cgctctgtct	gctctgttca	tggccattcc	ctaccagcag	tacctcgacg	300
gacctacat	tcatgttatg	cggtatgatg	atgcaagttg	ccatgcagct	gggcttgcac	360
cgaccgtctc	ataccagga	ctttagcaag	ttccgagtag	aacttatcga	ggaggagctc	420
agagacaagg	tgaggacgtg	ggccatctgt	aatgttgtcg	cacagcggta	tgttcgtatc	480
cttctacttt	catggacctc	ggcgctcacg	gactctagt	ttgcaacggg	atatggccag	540
ccaccatcta	ctctgtacga	ctggacgcta	tcagcgagcg	ggtcgggtgga	tccgaatttc	600
aagttgccc	aggatattag	acgcagactc	gatgttgaaa	tcttctgcga	caaggtcacg	660
aagacgctct	acactaatcg	gcgggaccct	gttggcctgt	gcagtgaacca	agagagatct	720
acgctgattt	cttttctgtc	gcgggatttt	gatgacctcg	aggaccaagt	caagtcagg	780
actgacggta	agcactccca	gctggtgccg	acatgtgaca	cgccactaat	gtggatcagc	840
tataaccgac	ctctttctgc	gtgctgccaa	tctccatctg	cacctgtcgg	cattctttga	900

<210> 4762

<211> 1023

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (129), (138), (175), (178)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4762

cagaatgcga	tttttaacca	atgccgttta	accggggcgg	cctccccagt	ttggtgtctt	60
ataaggatgc	cccttggttcg	gaatgggagc	agttcaaggg	gggctgggca	gaaatgggtg	120
gaggggaant	acgacggntt	gttccgccag	tgcctgcaag	gaaccatac	cttgnttntg	180
gacgacttct	tgcgcgacca	ggacatcgag	ccgtaccaat	ggcacgatca	attcaccggg	240
tccgcgacca	agcgcattgt	gcgcacgag	gccctagcgg	cacggatgct	ggcgaccgtg	300
atgcgtggct	ccagcattct	cgaggccgga	gatgtgtcgg	ccctcgagag	tcgatttctg	360
gcgttccgtg	atggcttttag	cagggttggtc	tccgaagcta	ttgaagacc	cgcagtgggtg	420
gggttcaaat	cggtcattctg	ttaccgcacc	gggttgaacg	tccagccaac	cgatgaagac	480
gcaggcgttt	tgttgcaatc	gtttgctcgt	accatccgca	cctcagaggc	tggatatcgg	540
gtcggaggaca	agccccctgaa	cgactggctt	gtgcgccaga	ctctcgacct	gctccaagcc	600
tccaaatcta	gcagcaagga	ttgtaaaaac	aagccgttgc	agctgcatac	cggctcttga	660
gacaacgaca	tcagcctggg	gctggccaac	cgggcctact	tgcaaccgct	gattgcgcgt	720
tatccccagg	tcgactttgt	gctgttgcac	tcttctctatc	cgtaacgcg	cgaggccggt	780
tatctggcct	gtgtctatcc	caatgtctat	ctcgatctcg	gggaggtctt	ccccatggtc	840
agtccggatg	cagaggagtc	tatcatctcg	gacagtctgg	acattgtccc	gaccaagcga	900
cttctcttga	gtacggacgg	ccaacttttc	cgggaaacat	tctacctagg	caataagcag	960
ttccgcgatg	tattagaaaa	ggcatgtccc	gtcgtttgct	ttcatgatgt	accgcatttc	1020
tga						1023

<210> 4763

<211> 1062

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222>

(231), (381), (691), (788), (805), (807), (808), (810), (820), (826), (829), (830), (832), (833), (834)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4763

ttgtcacagg	tttttgtgga	ctacgtccgt	caaggagact	ggacggtcac	acaagcaaag	60
gaagcagcgg	cggatatcct	tttccacaac	gccaaaccgtc	tctacgacct	gaacgagcag	120
ccgtcgttcg	accaaatac	caagccaatc	accatctcct	ccaccacac	tctggaaaacg	180
ttcatgcggt	gtaatcccga	cgtcaaatac	gtgtggatgc	aatgggtcga	ntacaccgca	240
acgaccogcc	tacggatttt	ccccatactc	gaattcgcca	agatcgtgcg	caagcagcgt	300
cgcacogga	tcagtctctg	cgtcttcttg	atgttgcagg	acgactccat	gacccccgaa	360
ggcacaacca	cgggccaatt	ntacatggaa	cccgacctga	ccagcctcag	ccccaacgtc	420
ggcctcggct	ccaaaagcgc	caccgtcatg	accttctggc	gatccgagga	gaacaaacc	480
ctggagggct	gtcctcggac	cgcactccaa	aacatcgtcg	ataaactaca	tacggaccat	540
ggcatcgccg	tcacctgcgg	cttcgaaatc	gaagttatct	tcctccgtcc	cgatactgac	600
ccctccaccg	gtgaaaccog	gtacctcccc	cgggtaacca	atcactcctg	gtcccaaatg	660
accagcgaca	cgcgcgcgat	gtgcccctc	ntcgaagaga	tcgccgacac	cctgacggcc	720
atcggcaccc	cgtcogagca	attggagtcg	gggtgggccc	ggggccgatt	ggaattcgtc	780
ctcccgcnca	atagccctt	accnncnntn	gacaccgtcn	ggaaanccnn	annngtcgtc	840
gcgaacgtcg	ccgagcgcca	cggcctccgc	gcaacccttc	acccgcgacc	cctccccaac	900
ttcgcaggta	ccgcctccca	cgcacacgtc	tccatctccc	catccacaaa	cgaggactcc	960

ttcctcgccg gcggtgctggc acacttcccc gccctgctgg cctgcaccct cgcccaagaa 1020
accagctacg gtcgtcacga cggggctgga aggaaacgcg at 1062

<210> 4764
<211> 219
<212> DNA
<213> A.fumigatus

<400> 4764
ccggcttggtt ggcactgctgg gcgggtttgt acggagtggc tgacggacat ccattaccag 60
atcacatcta ccaaagtctt caaccaggtt gtcttcaagg agtacgcaac tgcttctata 120
ggacgcaagt tcacctccct attccctggg ctgggctacg ctgctggata caaggtagt 180
acagatacga acttgctggg ccttgagtca atgtgctga 219

<210> 4765
<211> 201
<212> DNA
<213> A.fumigatus

<400> 4765
tattcgaagg ttctgcaaag aatctataag tacgggtggc agccttttgt tcgggactat 60
ctcgccaagc accatggctc cgacttcgat cgtgctttcg gaaaggggac tggcaaggcc 120
atcatgcacg ctaccgctgg aagggtctgg atctatcgga acttagggac tatatgtgca 180
gctttcgctg acctacaata g 201

<210> 4766
<211> 237
<212> DNA
<213> A.fumigatus

<400> 4766
ggactatatg tgcagctttc gctgacctac aatagtttga tcggtatcgg agaaatcatc 60
cttctgcccc ttgatgttct gaagattaaa cgtcagacaa atcccgacgc cttccgtgga 120
cgtggcctct tcaagatcat ctccgacgag ggtatgggac tctaccgtgg cgctggctgg 180
accgcagctc gtaacgcccc cggatctttc gcggtatggt cctcacagct gggctag 237

<210> 4767
<211> 357
<212> DNA
<213> A.fumigatus

<400> 4767
aagactgacc gcagcatata gctcttcggt ggttccgctt ttgcaaagga gtacatttat 60
ggcctgaaag actacaacaa ggccacatgg ggtcagaact ttgtggcgct catctgtggt 120
gccagtgcgt ctctggctcg gtctgctcct ttggacgtca tcaagactcg tatccagaac 180
cgcaactttg agaatccga gtcgggcttc cgaattgtgt ccaacatgat gaagaacgag 240
ggtttcacca gctttttcaa gggcctgact cctaagctac tgatgaccgg gccaaagctc 300
gtcttcagct tctggctggc ccagaccttg atccctgcat tcggacaggt tgtctaa 357

<210> 4768
<211> 837
<212> DNA
<213> A.fumigatus

<400> 4768
cctttcagac aggaccagc acagacagaa aacttcgact cctctgtatc tattctcagt 60

gtgtgcatca	cgcattacaa	tcaaactgac	agaatgagtt	accaacctgc	catcatgagc	120
gcttcactcg	gccgcgcctg	gttgacgat	ctagcctaca	agatcgacca	ggccgcccga	180
gcaggcttca	aaggcctaga	aattttctat	gaggatctgg	agtacgaagc	acgcaagctg	240
tccggcacgg	ataacccaac	cgctacccat	ctgcttgacg	cagcagcgca	catccacggc	300
atgtgcagca	cccatggcat	caccattatc	ggcctccaac	cgttcctctt	ctacgagggc	360
ctcaaggacc	ggacacaaca	cgcacaactc	ctggagaaga	tgaagctgtg	gcttcagctt	420
gccaaaagcc	tccacacaaa	caccatccag	atccccgcca	acttcctccc	cgcggagcaa	480
ctcatcgacg	accgggatct	cattgctgtc	gatctgagac	tgctggccga	cctagggtgcc	540
gccgaaacac	ctgccatccg	attcgcatac	gagcctctct	gctggagcac	gcataatcgac	600
accatcgaga	aagcctggga	cgctcgtgcg	cgggtcgacc	gccccaaact	tgggggtttgc	660
ctggatacgt	tcaacattgc	gggcccgggtg	tgggggggac	cggctgcgcc	gacagggcgg	720
acggagaacg	cggatcagca	gctacagata	acactggagt	ggatggtgaa	ggagggttgac	780
gtggaaaacg	tgttctgtct	tctccacggg	gaccggaagg	atccagattt	gcggaag	837

<210> 4769

<211> 1047

<212> DNA

<213> A.fumigatus

<400> 4769

aggccaggtc	ccggtccaac	catgctcttc	aaccgtggcc	gggccatcgt	ggtacaaggc	60
ccgggttcat	tatgggggtg	gccattatc	tctaccctca	cctgccttgt	caaagactac	120
cacggcatgc	ttgtatgtcg	cctcttgctt	gggatcgctg	aggccccgtt	ctaccggggg	180
gccctcttca	tgatcagtct	gttctataac	cgcaaagaag	ccaccaccgg	catggccatc	240
ctatacacag	gaaatatgct	ggcaagttca	ttctccggac	tcatacgccg	gggcatcttt	300
gccggactag	acggcgtcca	cggcctggcc	ggctggagat	ggctgtttct	cgtccaaggc	360
ataaccacgt	tcgccgtggc	cattgcccg	ttcttccctg	ttcccaactc	gccgctgaag	420
acccggtggc	tgagcccaga	ggagcgccaa	atggcatacg	accggattgc	cgcgcacacc	480
acgcagaaag	agaaccgcac	gagcccttgg	aagggtctcc	gcgaagcatg	catcgactac	540
cgcacctggc	tgttttgccct	ccagtgcaat	ctccacctgt	ccgccaacgg	cttcaagaac	600
ttcatgccaa	cggctgtcaa	aactctcggt	ttcaactcca	ccatcaccct	cgtccttacc	660
tgccctccgt	acctcgtggc	cacattcgcc	tccgtcatcg	tctcctggtc	ctccggccac	720
ttcaacgaac	gcacctggca	catcaccatc	tccaagctac	tgcgattat	tgggttcgcc	780
gtcgctgca	gcacctcaa	catcgacg	cgctacttgc	ccatgattct	cttcgtgggg	840
gcaacctacg	gcgtcaacaa	tatcaacctc	gcctggaccg	cagccacgct	agggcaaac	900
gacgagaaga	aggccgtggc	catcgccatc	accaatacct	tgggggaatc	tggcgagcgt	960
gtacacgccc	tatctgtggc	cggatgcgga	tgcgccccgt	ttctccaaag	ccatgtttctg	1020
cacccttggg	ttcccaccgg	gtgttga				1047

<210> 4770

<211> 1110

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4770

ccagacggcc	cccgatttaa	cagntcatca	acatccccca	gagaggagaa	agacaggccc	60
ggtgataatg	atgtccctgc	tccccacaca	gctgctagt	tagctggcca	gcacgaatgg	120
gctgaatttc	atcaccttcc	ggggcggaag	ttcgaagact	ttgcgttggt	gaagcaggag	180
attgaagccg	aaacagctcg	aattgctggg	aataataaag	gcataaatag	gcagcccatc	240
aatctcaaga	ttttctcgcc	ccatgtgctc	aatcttacca	tggtcgattt	accaggggtg	300
actaagggtg	ctatcggaga	ccaaccttcc	gatattgaga	agcaaaccgg	aacgttgatt	360

cttgaatata	tagccaaacc	gaatagcatt	atactcgcag	tctccccggc	gaacgtcgac	420
cttgtgaact	ccgaagcgct	aaagcttgca	agacaagtag	atccaatggg	cgggagaaca	480
attggtgtct	tgacgaagtt	ggattttgat	gatcatggaa	ccaatgcaat	ggatatttct	540
tctggcgcgc	tttatccatt	gaaactcggc	ttcatcggcg	ttgtcaatcg	ttctcagcaa	600
gatatacagt	cagggaagtc	gctatccgag	gccttgacag	ctgaagcggg	gttcttcagg	660
caccaccctg	cttatcgaaa	catggcgaat	agatgcggaa	ctcagtttct	tgcaaaaacc	720
ttgaatacga	cgttgatggc	tcatatacga	gatcgtctgc	ctgatatcaa	agctcgcctc	780
aacacgctca	tgggccaaaac	gcaacaagag	cttgccagct	atggcaacaa	acaatttagt	840
ggggaagaac	atcgtggatc	gttgatactg	cagctaataa	cacgttttgc	ctcttccttt	900
atctcttcaa	ttgacgggtac	ctcctctgag	atatctacca	aggagctgtg	cgggggtgcc	960
cagatatact	atatattcaa	ctctgtgttc	ggcaactccc	ttgaaaccat	tgatcccacc	1020
cataatttga	ctgtgtccga	tataagaacc	gttatcaaaa	actcaactgg	ccccccgcca	1080
agtcctcttg	gttcocagaac	ttgcgtttga				1110

<210> 4771

<211> 987

<212> DNA

<213> A.fumigatus

<400> 4771

agtgcgcgcg	cttccacccc	gggtgaagac	cttgtcggat	ttggtctaac	catggaaggt	60
caagagggta	acgagatcat	gtacgacttg	ctcctggatc	aagcctggtc	tccgcagccg	120
attgatacgg	accattactt	ccataactgg	gccaagactc	gatactcttc	tggagtgaga	180
ggttcagccg	tacctgaaga	attgtatcaa	gcatgggata	ttctgagaat	aacggcctac	240
aacaacacca	acctgacatc	aacggcgggtg	tctaaatcca	tctttgaact	gcaaccaagc	300
atctcaggat	tgcttaaccg	tacaagtcac	catactacca	cggtcagcta	cgatccggcc	360
gcacttgctc	aggcatggcg	gttgatggac	tccgcgcgat	ccaaggcccc	ttctttgtgg	420
tctcaaccgc	cttttctcta	tgacatggtc	gacattaccc	gtcaagtaat	gtcgaacgca	480
tttatccctg	tctataccaa	tttggtgtcc	acttatcaag	ctggaggctc	cgtttccacg	540
gatggaagca	atctaattca	gctgctgcgg	gatctggact	ctgtactttc	taccaacgac	600
aatttccgcc	tgtcaacttg	gatccagtca	gcacgatcat	gggtgagaaa	cgacacagag	660
gctgacttct	acgagtacaa	cgccagaaaac	caggtcaccc	tctggggccc	caagggtgag	720
atcaacgact	atgcctcaaa	gcagtggggc	gggttgggtc	cgtcatacta	cattcctcgc	780
tggcagaagt	tcctgaatta	cttggaatac	actcaggcaa	gcaagtataa	tgcgacacaa	840
atagaggcac	aattgtttga	tttcgagctc	aaatggcagg	aagagacgag	taaaccgaca	900
cgagctaaaa	ctcatgatct	tcgatccgtg	ctcgcgaaaag	tgcgccgaag	gtggccatca	960
gtctttggag	accagaatag	tccttga				987

<210> 4772

<211> 1320

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (133)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4772

ctagcgccgt	atgggacgaa	gggcacaaac	acatggcgag	tgtcctgcaa	gaccggcgat	60
gtcttccacg	ttcgatacct	cctgacagca	ttggggctgc	tgacgaaggc	caattaccct	120
gatcttcccc	gtntgcagac	cttccgcggc	gagatacggc	acacttccgc	ttgggacacg	180
gatctagatc	ttaagggtaa	gagagttggt	cttgtcggcg	tggtttcttc	gggcgtgcaa	240
ctcgtgcccg	ccgttgagga	caccgtccag	tccttgacag	tcttcattag	tcgtccgcaa	300
ttgtgcgttc	ccagcgggtg	ccgtgcgctg	accgcggaag	agcgcgaggc	gatttttagg	360
gacttcccc	aaatctgggtc	cgaggctcgc	acctcgcggg	tcgccatcgc	gttccccgag	420

ctctcgcgag	aggccatggc	gttgtgcccc	gcagaccgcg	aagccgcttt	cgagcgccctg	480
tgggaagcag	gaagtgggct	gcagttcctg	tttggtgggt	tcacggattt	gctcacggac	540
ccagttgccca	acgaggaggc	ctgcaagttc	atccggagga	agatcaaggc	gatcgtgaag	600
gatccacaga	agcgggaagg	gcttacgccca	gacgaaccgt	atgcacgtcg	tccgctgtgt	660
gccaacggct	tctatgagca	gttcaaccga	gacaacgtct	ttgcggtgga	tatccgggcc	720
catcccatg	tgaagatcga	agcagagggg	atccgcaccg	ccgatggcaa	gttgcatgag	780
ttagacgtca	tcatttttcg	aacgggctac	gacgcaatgg	atggagcgta	tgttcgctg	840
gacattcaag	gccgcaaadc	aggcgaaacc	cttcgagatt	tttggaaggc	gaaaggccca	900
gcgacttata	tgggaatttt	cgtcccaggt	tttcctaata	tcatgatgat	caacggggccg	960
cagacgccgt	ttgccaatat	ccctcccgtta	tccgaagaga	atgtgaactt	tattgtggat	1020
cttataaagc	gggctgaaga	gatcagtcag	cggatgaatc	gccctgttt	ggttgaagca	1080
actgaagaag	cacaacgcaa	atggggcgag	cactgcgacg	agatcgccaa	cagcaccctc	1140
ctaaagcagg	tgcctcaatg	gctcttcggc	aataatgttc	ccggcaagaa	agtttccacc	1200
ttattctatt	ttggtggagt	cgggcggttc	agggctttaa	ttgcggacat	caaggccacg	1260
ggcttttacag	gattcaagga	gcctctgagt	aggaagtctg	agccgcggcc	gcttctataa	1320

<210> 4773

<211> 225

<212> DNA

<213> A.fumigatus

<400> 4773

aggtagatgg	gtaagaagca	tgctctcttc	acggacattg	aaattgtcca	aatgaactg	60
agcgagttgc	aagtcgtcca	aagcctgcct	cttcttggtta	caatgattat	cagatctcca	120
gtctatcagg	ccaagaagct	ccgaaaagat	cacgccgctt	tcgacaccat	cgaagaaggc	180
actggcgctg	cgaaatacct	cgtcaaactg	ctgcttgga	gatga		225

<210> 4774

<211> 1680

<212> DNA

<213> A.fumigatus

<400> 4774

gacataacca	gccctagcag	acgttcaggt	gtcttagctt	acctgaaccg	atatttgcct	60
aagttaggca	ttacggatcg	cagaccgagt	aagggtgatg	ggagcaactt	tgaggacatg	120
ccacatgata	tgcgcgtggc	ggtggactcc	gttatcatgc	ctgagccggg	tttgcttatt	180
agggtgtttg	cctccggtct	ggtggacgaa	caaattctcg	tgcagcgaaa	ttttcttgac	240
ttgcttgatg	ctcaccttcc	actcagctcg	cctatactgc	agtcgcggat	cacagatgat	300
gacctgcaga	gattaatgat	cgcagctggt	ggtgtggttg	cccgacgaga	catgagccta	360
aacaggagac	tgtgggcgtg	gttcctaggg	cccagggtcg	caagtgatca	gccatctttc	420
gaaggtgaag	gaacaaccgg	atcctacgct	gttgatgacg	aacagttatc	gcagtcagag	480
tatttcagtc	aatttgggtc	aaaagctctt	gtaaaaagtc	tgcttcgggt	gaatgagcaa	540
gacgcaagaa	ctccctcgga	aaggggcaaag	ccatttcgaa	tctcaacttc	cttgatggac	600
agatgggaag	ttggcggtca	tatcgttcct	gcagtattcc	tgcccccttat	gcgcaatatc	660
caagccttcg	gaaaatcatc	ttccaagcag	cagtttgacg	aggatatttcg	cagcgccagt	720
gccttcttcg	atggtgtcga	aagcggcggtg	atcttttcgg	agcttcttgg	cctgatagac	780
tggagatctg	ataatcattg	taacaagaag	aggcaggctt	tggacgactt	gcaactcgct	840
cagttcattt	tggacaattt	caatgtccgt	gaagaggaca	tgcttcttac	ccatgtacct	900
ctactggtgc	ttactatcct	agtaaaattg	agcgaacttt	catcaaacac	aaggaatttc	960
gaaattgccc	ctgacgaact	tcttgaatta	tccaacgggc	ttatgagagt	tatgaactcc	1020
ttgacaacgc	tactcacaga	gagagcggtt	gcaagaaaat	ctgaatcggc	caaggtgata	1080
gcggacaatt	cgtcatgga	catcagcgac	atggacatta	tgaaaagaat	tcataacttc	1140
tatgatcaaa	gcagaagcag	tttggatcta	ccaccacttc	cttttcttcc	cagacagttg	1200
ggtgatctca	taacacggaa	agctcacgat	cttgccgcat	cggccctcga	aaagagcaat	1260
ggtagtatac	ctattcaaga	gatcctgact	cttctggttg	cgctgctgaa	gcgactaccc	1320
aaatcgtttg	tgttccatga	caggcgcttc	tatctggcta	tttgagtcg	attgaagatt	1380

gaccaggcag	aacaatctac	accgtctttc	tcgactatatt	cttccattgt	ctccgcagtg	1440
accagcttgt	atttcataca	ggccccctggg	tactatatca	gctacgagga	tggtgcagga	1500
ctgataccaa	ccctcgccg	acatctttgg	caatttctct	cgcccgcaag	ccccaaattc	1560
cacgtagagg	ctgtccgctg	tctctggcat	ctacactcgg	tttcttggtc	agatcatatt	1620
gttgaggcgt	ccataacatc	tctcatgggt	cttcaccagg	ggcagaaggg	ccgatccagg	1680

<210> 4775

<211> 354

<212> DNA

<213> A.fumigatus

<400> 4775

tcttataatg	gatactacgg	ggataataat	gatactgagt	ccacagacct	cccctcggcg	60
ggtactctca	gtctcccaac	ggtagagggc	gagcctcaaa	agttcacgga	gctgggttta	120
tcggataaga	cattgaaggc	catcaatgat	atgggctttg	agactatgac	tgagattcaa	180
aggcgaacta	ttcctccgct	tctcgcgggt	cgggatgtcc	tgggtgccgc	aaagaccggg	240
tcagggaana	ctttgtcttt	tttgattccg	gctgtcgaga	tgctgagcgc	attacgggtc	300
aagcctataa	acggttaagga	tattcttctt	ctttgcgtga	gagcggcttg	ctga	354

<210> 4776

<211> 735

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (340)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4776

tctacagcaa	ccggcttcgg	tatccggcag	ttgctgactt	gtactcatag	ctctcataca	60
tacggtatag	tcacgcggag	tgcgaaatcg	agagccgagg	cggagaagct	catgaagggt	120
gtcaaccttc	tcacgcgaac	ccccggacgt	atgctggatc	acctgcagaa	caactcaagg	180
ttcgtcttca	agaatctgaa	gacactcgtc	attgatgagg	cggaccggat	tctagaagtg	240
ggtttctgaag	atgaaatgcg	ccagattgtc	aagatctggc	cctccgaaga	gagacagacg	300
atgctgttct	ctgccacgca	gactacaaag	gtcgaggacn	tggcacgtat	ctcccttcgg	360
cccggctctc	tctatatcaa	cgctcgacat	gaaaggaac	acagtacggg	cgaagggttg	420
gaacaaggct	acgtcatttg	tgaggcggat	aagcgtttcc	tgcttctctt	ttctttctctg	480
aagcgcaacc	tcaagaaaaa	gattattgtc	ttcttctcaa	gttgcaactg	cgtcaagtat	540
cacgcgcagc	ttctgaacta	cattgatctg	ccggtgctcg	agctgcacgg	caagcagaaa	600
cagcagaagc	gcaccaacac	ctttttcgaa	ttttgcaacg	ccaagcaggg	taccttgatt	660
tgcaactgac	tggtctgctag	aggcttggtat	gtgagccact	cctccacaac	gcacgtctctg	720
tctgctttat	gctaa					735

<210> 4777

<211> 291

<212> DNA

<213> A.fumigatus

<400> 4777

ccatcgcttc	agatccccgc	tgtggactgg	attattcagt	ttgacctctc	cgatgaccgg	60
agggactaca	ttaccgtgtg	cggtcgctacc	gctcgtggta	ccaatgccaa	gggccgcagt	120
ttgatgttcc	tgacgcgtgc	cgaagtcgga	ttcttgaagc	atctgaagga	agcacgcgtg	180
cccgtgggtg	agttcgagtt	cccagcgaac	aagatcgtca	acgttcaatc	tcaactcgag	240
aagctcatcg	gccaaaatgt	cttcacgcgc	ggctgcaagg	aaacgcgatc	a	291

<210> 4778
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 4778
 atattttataa ttaccctaga agatcttaaa gctactctaa agattagaaa agctcagaag 60
 gaagatccta ctaacctatt atctaataaa tttaaagact atactaatat tttcttctct 120
 aagaaggcta agcgctgct actatactac ctttataact ataataattaa gttatttagag 180
 ggaaagaccc ccctatttag ctctctatat actatattct aa 222

<210> 4779
 <211> 240
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (26)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4779
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 attgctgact gtgategctt gtttagcgac agctttatgc tcctcaaggc gcgccgtacc 120
 agggcggtcc tggaggggcca ccaggagccc caggacaagc tggatatggc taccagggcg 180
 gcgctcctcc tccagcacgt gccactgagc agcagatcgg tgcctacaaa cagctgttga 240

<210> 4780
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 4780
 ctgctgacc atttccagtg cgccaaattg atgcttggtg ctattgattc atcgtagcat 60
 accaaggacg aaaaggcttc agggcgctcc agtggtcccg gcggtcccg cggtcctccc 120
 cctcctgggc ctcttgcca gtacggaggt tacaaccag gccaaaacta tggtcagcag 180
 cccggctact ataaccaacc cctccctct ggatacaatc agccaggagc ctatggccag 240
 ggacaagggtt acaaccaagc gcgttatgct caaagccagg gtggaccccc acagcctggc 300
 tatggacaga cgtacggcgg atatggagcc cctccctctg acccgtagcg acgtcctccc 360
 tctggacctc ctcccggtgg ctatcccccg cagcagagac caccttacgg acagcctcct 420
 ccacccccac ggtactga 438

<210> 4781
 <211> 912
 <212> DNA
 <213> A.fumigatus

<400> 4781
 cgacagcttt atgctcctca aggcgcgccc taccagggcg gtcctggagg gccaccagga 60
 gccccaggac aagctggata tggctacca ggcggcgctc ctctccagc acgtgccact 120
 gacagcaga tcggtgccta caaacagctg ttgattggca ccattcaaga gaagaatctg 180
 caaaccttct accctcctga taaactggat agacttggtc agtcgttggc caatgaagcc 240
 cccgcaaaga ttgataggct tgtccatgag tggctcgtgc ccaggaagt ggcaatggac 300
 gtcatgaaac tcgctctgtt tgacgtgatc ctttatgtcg atgatagtgg ttccatggag 360
 ttcgaggaga aggggaatgag aaaagagcag ctgagacaga tcctcggcat cgtcgcgacc 420
 ggagcgtcga cgttcgatca agatggcatc tccgtgcgct tcatgaactc gaatgaagtt 480

```

ggcgaatggtta tccgcagtgt cgatgatgtc aatatgcttg tctcacgtgt tcgcttcgcc 540
ggcttgacgc cgttgggttac gagcctgagg cacaagggtca ttgagccgat gggtgttggt 600
ccagctcgtg ccggtcgtct gcagaagcct gtccctgatca tcaccatcac tgatggtcag 660
cctgccggtg agccacacga tactgtcgct aacaccattc gatatgccag cgaagaggta 720
tccagaaccc agtacggaag aggtgctgtt tcgttccagt tttcgcaggt aggaaccgac 780
accaaggccc gcgagttcct tgccagtctg gatgaggatc cccagatcgg aggtttgatc 840
gactgtacat ccagtaagta ttggcgcgca tgcaactcgt ccctagcaca gtgcactagg 900
ctaacagaat ga 912

```

<210> 4782

<211> 189

<212> DNA

<213> A.fumigatus

<400> 4782

```

tgcactcat acgttgtacg cgttgttact acacgagtac gtctactaat aatgtgttgt 60
actgtcgaat atgtatctcg tgggtgactac accactccgg ctggcgtcct aaccgcgcga 120
accgcccga ctgctagtgt gaccaccgcg gatccttcca gcccgtggt gaagacggag 180
cagaattag 189

```

<210> 4783

<211> 345

<212> DNA

<213> A.fumigatus

<400> 4783

```

ctaattggttc gcacagggct gacaatggct gcggtaccgg ctccgaagac ctcaatcagt 60
cttccttctt cagaagcttc ggcgacctca gacatcctaa ttttgcgctc agacacggtc 120
cagcccttgg ggacgagtct ctgcgctgcc agtgccaaga cagagtctct ggtgacgcc 180
tcgaggatgg ttccatctaa aggagcggtc actagctcct tctgtccggt ctcttgttc 240
ttcaaggcga tgaaaagggt catagtcca acttctgtca catactctc atcaccaaat 300
agccacagat tctgctggaa gccgcgggaa gcggccttca gctga 345

```

<210> 4784

<211> 726

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (46)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4784

```

cggccatcgc tgacttctga tagtgcccgt ggctactcct ctattntgcg acccacaatg 60
atcggcacc ccc aaaacaccct tgggtgttga ccaccaggct ctgccttcct cttegtcatt 120
gccagccctg ttggccctta ctaccctact ggcttcaagg ccatttcgct agaggctact 180
gactatgccg tccgtgcctg gcctggcgga gttggagata agaaacttgg agcaaactat 240
gctccatgta ttgtacctca gctgaaggcc gcttcccgcg gcttccagca gaatctgtgg 300
ctatttggtg atgaggagta tgtgacagaa gttggcacta tgaacctttt catcgcttg 360
aagaacaagg agaccggaca gaaggagcta gtgaccgctc ctttagatgg aaccatctc 420
gagggcgtca ccagagactc tgtcttggca ctggcacgcg agagactcgt ccccaagggc 480
tggaccgtgt ctgagcgcaa aattaggatg tctgaggtcg ccgaagcttc tgaagaagga 540
agactgattg aggtcttcgg agccggtaac gcagccattg tcagccctgt gcgaaccatt 600
agctacagag ggaagatggt tgattgcggt ttaaagaaaa acgaggaggc cggcgagggt 660
gctctacaga tgaagaactg gattgaaggc attcagtacg gtgatgagga acacccatgg 720

```

aggttaa

726

<210> 4785

<211> 1584

<212> DNA

<213> A.fumigatus

<400> 4785

aaatatccaa	agttggacgg	acgcgatatc	ggaaattcac	cgacgaggca	tgtatgtcgt	60
tttcgacaac	acaatcgcta	cgtaagtaat	gtcctcactc	cttgccgagt	aagtgtctggg	120
actgaccagt	gcctctcgcg	tagcatgggt	gacttgattg	gtttcgaagg	atacttgaat	180
accactaccc	ctttttccgt	caaggaacac	aaggcacttt	ggaagaccga	ccgccactat	240
gtcgatttcc	actttggaaa	tgattacaac	gagacttggt	actaccgcg	gttttggaat	300
gaaactgggt	ggccagtcga	ccaatccgtc	agggaccaat	taaatgggtg	ctacgacagt	360
gacttcgacc	aatatggcga	cgcgagggct	tttgggtgtc	atccagactg	gcaacgtcaa	420
ctggcaaaat	ttgcttccgt	tcaagatcgt	ttgcgcgagt	ggaatcccag	tgtcagacaa	480
agattgactc	gtcactcttg	catgattatt	gaagcccttg	atattgacgg	ctttcggtac	540
gacaaggcca	cgaagccac	tgtggatgcc	ctgggggaga	tgtcactcgc	ttatagggag	600
tgtgctcgta	aagttggcaa	gaataacttc	ttcatttccg	gtgagatcac	tggaggaaac	660
acctttgggt	ccatttacct	tgggcgtggg	aggcagccca	accaatatct	aaagtctgcc	720
atcgatgcta	tgaacatgac	caatttatca	gaccaccagt	atctcttgcg	cgagcatggg	780
catgaggcta	tcgacgcagc	agccttccac	tactcgatat	atcgttccct	gactcgattt	840
ctgggcctag	atggtaacct	ggcagctggc	tatgatactc	cagttgactg	gactgatgcc	900
tggaaacctaa	tggtcatatc	caatgatatg	atcaatgcca	atactgggaa	gttcgatcct	960
cgacacatgt	atggcgccac	aaatcaggat	gttttccgtt	ggccggccat	tgagtacggg	1020
gtagagcgcc	agctcctcgc	tctcttcac	acaaccctgc	atcttcccgg	catcccactt	1080
cttttgtggg	gtgaagaaca	ggctttctac	attttggatg	ctacagcctc	taactataatc	1140
tatggacgtc	aagcaatgtc	gcccggccaca	gcatggaaga	ctcatggctg	ttttcaacta	1200
acaccatcgc	agtactacaa	ctggcctatc	caaaaggggc	gtcaggggtg	ccatgacgag	1260
acggccacat	acgaccaccg	tgatccttcc	catcctgtcc	ggaacattat	caaacatatg	1320
taccaaataga	gagagaatta	ccttgtcttg	aacgacggat	ggtgggttaca	gaaactatct	1380
aagcagactc	gtgaaattta	tctccctggg	tcaaacagca	ctcctaccga	aacgggcatg	1440
tggatcaatcc	taagaggcgt	gactccaggt	atccagagcc	tcggctcaga	caaggatgac	1500
caaccgggtg	ggcttgata	ccagaatgag	aaccatactg	ttgactatag	tgctacacgc	1560
ccggggcctag	aaggtatcgc	gtac				1584

<210> 4786

<211> 828

<212> DNA

<213> A.fumigatus

<400> 4786

ggacgctgtc	cttccagccc	cgtggtgaag	actttgcgga	tctacgcggc	catgttcgcc	60
ggacagtcga	gggtagcctt	ggacactgcc	gtggagctgg	aggcctccat	tcccgaagaa	120
cttttacgga	tcgagtcgcc	gccgatggca	gactggctcg	aggggttcc	cgcagtga	180
gtgcacgtgc	ttgtccgatt	cgggcgctgg	gaggatatcc	ttgctctgga	gctgccacag	240
gaccaagatc	tctactgcgt	gactacggca	atgatccact	acgccaaagg	cgtagcatct	300
gctgcgctcg	gacgagtaga	cgaaggacac	caggagcgga	cagaattcca	caaagccttc	360
gaccgtgtcc	ctcccagccg	gacgctattc	aacaacacct	gcccggatat	tctggccatt	420
gcggaagcca	tgctcgatgg	ggagatcgaa	taccgcgcg	ggaatatcga	cgcggccttc	480
aagcacctgc	gacagtcctt	cgcgctggac	gatggccttc	cctacgacga	gccgtggggc	540
tggatgcagc	ccaccggcca	tgcttatggg	gctctcctgc	tcgagcaggg	ccaagtagag	600
aaggctgcgg	aagtgtacgg	tgccgatctg	gggatggacg	ataccctccc	gcgggccctg	660
cagcatccga	acaacgtgtg	gtcgttacat	gggtatcatg	agtgtttgac	gaggcttggg	720
cggttggcag	aagcccggt	catccagcag	caattgaaac	tcgcggccgc	gacagcagac	780
gtgccgattc	ggtcttcgtg	cttttgccga	ctggagtgtc	gcacatag		828

<210> 4787
 <211> 633
 <212> DNA
 <213> A.fumigatus

<400> 4787
 tacgctatatt cgcgggtcctt gccgcctcgt ggtgaaaacg agatcgccaa gttgctcggc 60
 atcacagtcc ccgagctcga ggccaagtcc ctttccgcat ttccagtcca ggcagagcgc 120
 ttcttactcc gtcagcgggc cctgcactgc ttcaaagaag cccggcgcgt gcttgacttc 180
 aaggcctgcc tggccaaggc ccacactctg gatgagaggc gcatccacta cctgggccag 240
 ctgctgaacg agtcccagga atcttgctgc gcagactatg actgcagtgc cccggaagtc 300
 gatgagatct gcgccattgc ccgcgcgcgc gggacctggg gaagtcgcct tacgggtgct 360
 ggctgggggtg gttgcacagt ccacatgctg ccgcagtcca aggtcgaggc cgtcaccaag 420
 gccttgaaagg aagagtatta tctgaaaagg cttccggata tcagtgagga gaagctggca 480
 caggccatgg ttatcagcaa gccttccaac ggatccttcg tgtatgtgta cccttgctctg 540
 gatgatgtct tcatagtctc aaccgagaat gccgagtcac tgactgcctt tgctaggatt 600
 acggggagccg ccattaccgc tgtcaagatc tag 633

<210> 4788
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 4788
 ggctgttcga cgagctgggt tatatcgagc aaagctctta ttcattcatat gaaaggggat 60
 acagaaaatg atggacagaa aagaatagaa gcatacctct ttgggagtc ccagtcaccctt 120
 gcggacgtcg tttccatctt tcaggaactg aagcactttg gcaacgggtg cctcctcctc 180
 acgcagcttc ttcattctcaa gagactgtcc gccgcgcctt gtctgcttgc tcaagctctc 240
 gagtgccttc tcgacaaaact cgatatcctt gatccgcaac tctcgcgtga tgatggtcag 300
 atcacggacg ggatcgacat caccttcgac atggataatc tcagcatcgt cgaagcatcg 360
 gacgacctgg aagatggcat cgacagcacg gatgtgggaa aggaaagcat ttcccagacc 420
 agcaccagta gaggcacctc ggtcagacc ggcgatatca tacacgggtc agttggcggg 480
 aacctgagac ttgggcttgt agtgctcgca gagccagtgc aatcgctcat caggacgat 540
 gacacgagcc tcttcgggat cgatagtggc ataggggaag ttccgcgggt taccagaga 600
 cgacttggtg atggcctgga agagtgtcga cttgccgacg ttggccagtc cgacctaat 660
 aatagccatt gttag 675

<210> 4789
 <211> 687
 <212> DNA
 <213> A.fumigatus

<400> 4789
 gtcggactgg ccaacgtcgg caagtcgaca ctcttccagg ccatcaccaa gtctgtctctg 60
 ggtaaccggc cgaacttccc ctatgccact atcgatcccg aagaggctcg tgtcatcgtc 120
 cctgatgagc gattcgactg gctctgcgaa cactacaagc ccaagtctca ggttcccgc 180
 aacttgaccg tgtatgatat cgccggctctg acccgagggt cctctactgg tgtggtctg 240
 ggaaatgctt tcttttccca catccgtgct gtcgatgcca tcttccaggc cgtccgatgc 300
 ttcgacgatg ctgagattat ccattgtcgaa ggtgatgtcg atcccgctcg tgatctgacc 360
 atcatcagcg aggagtctcg gatcaaggat atcgagtttg tcgagaaggc actcgagagc 420
 ttgagcaagc agacaaggcg cggcggacag tctcttgaga tgaagaagct gcgtgaggag 480
 gaggccacg ttgccaaagt gcttcagttc ctgaaagatg gaaacgacgt ccgcaagggt 540
 gactggactc ccaaagagggt atgcttctat tcttttctgt ccatcatttt ctgtataccc 600
 tttcatatga tgaataagag ctttgctcga tataaccag ctcgtcgaac agcctcatct 660
 ttaattacaa cgcagaggct gtcatga 687

<210> 4790
 <211> 363
 <212> DNA
 <213> A.fumigatus

```
<400> 4790
gctatctccc cctcaattga cccctcccgc tcccttcttc tcttctttcc cagtctttct 60
tctgcccact gttggtgggc gcttttcatc acgtctcccg caccgcccgc cgtctttctc 120
ttcctttctc taccctccg tttagaacga tccgcagctg gttctgcttt tgctcgctg 180
ctccatcagt ccttgccctt cttctcccg gtttcttccc cttatttttc tgctttctcc 240
cgccgaagct actccagcaa gaagaagaaa aagatgctc ccaagaaggc cgctcgccag 300
gagaagggtcc tgttggggccg tccaggaaac aacctgaaga gtggtatcgt atgtgagcat 360
tga
```

<210> 4791
 <211> 324
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (172)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 4791
gtgcattgcg aagaaagggt atattacggc atctgtcaat ccggggaaag aagacgaggc 60
cgggagatca tgcgctgtct cgcgagaaat gtctcgaagg atctttatgt gcatacatg 120
ggacagtacc accctgacgc acatgttggc aagaagaagc ggaccacgag anatgcaagt 180
caggaagaca ggactgagtt ccgctatgca gatataacc gggctgttcg cgatgaagaa 240
ctgggttcgg tcaaggatgc tgcagtagcg gctggtttat ggcgattctg tgaggccaac 300
gaacatgggg ggtttcatct atga
```

<210> 4792
 <211> 252
 <212> DNA
 <213> A.fumigatus

```
<400> 4792
cagagcacta cagctgccaa ccatcttaaa atgaaaccca tcatcgccgt ccccgctggt 60
ctggcgctcg cccaccgcgc ctggtcacgc aagaccctca ctccattagg catcatcacc 120
gcagtctga ccgcatcgc gcacgtcctg catccatggt ccacgcctt tgcgctcctc 180
gcggtgtttt atctgggtgg ctcgaaggtc acgaaggat gttatatgcc gccgtttctc 240
gtcggcattt ga
```

<210> 4793
 <211> 387
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (106), (276), (315)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4793

ttttggtgta	tttattgcaa	agaacgaaag	gtatccccac	taatgaaggt	gggagacatg	60
tgcattaaaa	gtgagcacga	tcttaactgg	ccagcgcggg	acttancact	ggacatctac	120
cgcttggata	ctatcgatat	tggttattat	gtttctaaag	gtcctcttga	cgaacggaag	180
ccatatggta	ttttgggttaa	actgatgttg	ttccggccta	gtatcaacat	gggccgatct	240
taoctccggg	ttcaaagggg	tctaaccccc	aatgcntgtt	ccgtattgga	ctccctgaac	300
cggtttgtcc	ttatnaaggt	ttcccttgaa	caaattgttt	ttgcgagcct	aattatatct	360
ccaaattggg	gattgggtgtt	aacttaa				387

<210> 4794

<211> 357

<212> DNA

<213> A.fumigatus

<400> 4794

tgctgctcgc	ggcgcccaag	gaggaagtct	accggatcaa	ggggaccatg	cgctgtcctg	60
cgctcgcaacc	gcctgccgac	tccggggacc	aaccccggcg	agaagaaacc	cgcgcgcct	120
ccgacttccg	gcaatgcagc	tgctccgacac	tacatcctca	actgggcctt	tggtcgctgg	180
acttttacgc	cctccgaaat	ggtggcggag	agtgcagacc	ccgttgctcg	tgcccgctca	240
acgcttatcc	tggctcggta	tgagtcgggc	aagtgggaaga	agaaactaga	agctggggga	300
ttgattcagc	ttggtgaagg	tgccgagggc	gagtcagtgg	tcgaacgcct	ggtataa	357

<210> 4795

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4795

caaaatctag	tctatcaagc	aacaaagcaa	accaaactgt	atgggatccc	cgccttccac	60
attatctatc	ccattacaaa	ccgaattaca	gacaagcaga	tgaatcaagt	ccgacttcg	120
acaaattcag	gaacattctc	taatactcca	ggagcgcagt	cgcaccggct	tcgctcgaga	180
tgtaaatac	ctcgtgggtg	tccgagaagc	cgttga			216

<210> 4796

<211> 924

<212> DNA

<213> A.fumigatus

<400> 4796

gggcaggcct	gcaagaccag	ttcctatttg	cgctatgccg	ccaaggtggg	ggtcaagcaa	60
atgaccttgg	ataatgccga	cgagctgtac	aagatcaagg	cctgctaccc	ggacgcggag	120
ctttacctgc	ggatcctgac	cgacgactcc	accagtctgt	gccggctgag	catgaaattc	180
ggtgcctccc	tggacatcgc	ccgtcagctg	ctggaaactgg	ctcacgagct	cgagctcaag	240
gttgctcggag	tgagcttcca	cgtgggctcc	ggtgccgagg	atccccgcgc	gttcctgaag	300
gctgtgcagg	atgctcgtct	ggtctttgac	caggccgcgg	aggtgggcca	cgagctccac	360
accctggatg	ttgggggtgg	gttctgccag	gacacctttg	aaaaatttgc	cggcatcctg	420
agtgaggcgc	ttgacacgta	cttcccgcct	cacattcgtg	tcattgccga	gccggggcgc	480
tactacgtcg	ccagcgccctt	caccctggcc	gccaatgtca	ttgcgcgcgc	cgacgtccgt	540
gaccccaagg	acccggccaa	cgatacctac	atgctgtacc	tgaacgatgg	cgtctacggc	600
aattttctcca	acatcatctt	cgaccaccag	catcccgtgg	ccaagatctt	gacctgctct	660
ggtgagaccc	agccgtccgc	tctgaatgct	gcgacttcag	agggcatcgc	ctattccatc	720
tggggtcagg	cctgtgatgg	tatcgacgtc	atcaccagc	gcattgtgct	gcctggctctg	780
ttggacgtcg	gcgactggct	gtactttgag	gagatggcgc	cttataccaa	gtgcagcgcc	840
acccggttca	acggcttctc	ggacaaccac	gaggtgattt	acatctcgag	cgaagccggg	900
gcgactgcgc	tcctggagta	ttag				924

<210> 4797

<211> 222
 <212> DNA
 <213> A.fumigatus

<400> 4797
 cgctcgctcc atgtgggtggt ggtgggttct accctcttct cctctttctc cgtctcctca 60
 aaactgtctg tccatcctgc cgtttccatt ttctcatcgg gttctctgtt tctgagttat 120
 cttcttccgt tatctcctgt ccctatagcc ttcccgtaa attcctgccc ttacatccgc 180
 tttgtgatta tctcgtatga gccccggctc tatccccctt ga 222

<210> 4798
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 4798
 ggcctttttc gacctactct ctattgctct cttgcgcttc cggatcgctc ttctcgttgt 60
 cttttgtgga ctttctgttc taagccttcg atcgcccca ctaccaagg cactaactac 120
 accactacta ctattaccac tgactgcac tctctactac atatctacaa ctatttgcag 180
 taa 183

<210> 4799
 <211> 468
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (459), (460), (461)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4799
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 atacctgcgc tgacaagctg gacctgca gaacgtcggt cggaaactca tcgtcagttc 120
 agagctgccc atgagggtca ccgtccccac gccgggtctc atgcttcccg tgcgtcgacg 180
 ggtgtcgtct ggtgtacaga acgtgcaata gaacacggat acgcagagga tccttcggga 240
 tgggcgaatc tgggtcaggc cgcccccgaa gccgacgat agatcgaggg aagctttccc 300
 cgacctacta gtattcccat cacatcagct gccgcgaat acggtcctac cgctggtata 360
 aagccgctgc gcgcggcagt tgccaggcta tacaatgagc attaccgtca aggaaaagaa 420
 agcgtcttca ccacggggct ggaaggagcc gcgccatann ntaatcct 468

<210> 4800
 <211> 639
 <212> DNA
 <213> A.fumigatus

<400> 4800
 ggcgggtcct ggcagctccg tgggtgaagac ccccgcccc cccctcctc ctctctctct 60
 ctcttgcaact gtcgggcccc tccgccccct cacctcaacc tccatcgttt atatttgttg 120
 aaggctcctc ttctcaagaa aatccatgct attgtgatca gttctgcatt tattttatcc 180
 accacgtcta cttgttggt caagtctctc gttcacaagc tggggggccc gtgtcttccg 240
 tcgacctgca gatcaagc tctcgtccct cgatcctgct ccaccgtacc tcgaagcttg 300
 gctgacctgc caagtaaagt ctattcaagc ttactgcttt cgaataaaac tactctcgc 360
 ttcttttgcga ccccttcacg acctctgtac gacgccatga acaccaaac cactccttcg 420
 cctagtcccg gccctgccc gaaaatttcc gccagtccta agcccaatgc ctgggcagca 480
 gcaggtagca agagaaagcg aagcgcaccg gggaaatttt atgcgggtcaa ggcgggctat 540

cagcctggca tctactatga atggagcgac tgcttgactc aagtgcgagg atacaagggg 600
cggtgtgtga agtgccgaga gattcgtctg cctagctaa 639

<210> 4801
<211> 660
<212> DNA
<213> A.fumigatus

<400> 4801
taccatcgt attcaatagt ccaagcattc ccaacctacg aggaagcaaa tgctttcctt 60
acagggacgc agcttccaag tgcccgtggt gccactcctt cgagttcggg gccacaaga 120
ttctacggca tccagcgagg acgcgtcccc ggtgtatata cagattgggc cagggcgagc 180
gaacaaatca aagggtttgc acgccctcga tacaagaaat tctccacgcg agaagaggcg 240
gaggaattcg tcagaatgga gcagggagcg ggagctacct ttgccggagg tactgctacg 300
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aaatccgcaa ccaagacgag gccgattggt cctccaggga tgttgctgat ctacaccgac 540
ggcagtgcgc tgaagaacgg tagggacacg gcagcgagc gcgttggggg cttctttggg 600
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<210> 4802
<211> 1119
<212> DNA
<213> A.fumigatus

<400> 4802
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gacgtcctca tatcaatgct atcgggaatgc gacaatgtcc ctggtgctga acacaagttt 180
gaaaacttcc acacaaaaac gagcaaaaaa aacaagaagc tctctcagc gaactcgcac 240
aagaaacagg cacagaatgc ctggctgggt atacttcaaa acgacctctc tcacactcag 300
cgcaaacgc tactgcgcaa catggtctac accatagagc cgtgggttcaa ccgtcccgaa 360
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ctctctggac tcttctattt gatccgggag aagaacctgg actatcccca attctaccac 480
aaactatact cctcctcga tgccgatctc ctgcattcaa aacaccgctc tcgcttcttc 540
cggctgatga acaccttcct ctccctccacc caccttcccg ctacgcttat tgccagcttt 600
atcaagcgtc tctctcgtct cgcgcttaat gcacctccca ctgctatcgt ggtcatcgtt 660
ccctttatct acaatctact caagaatcat ccgacgtgca ccttcatgct ccaccgcgtc 720
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gtgaacgagg gtgacccaac tcgcacgatg gccattgaaa gcagcctatg ggagatcgag 840
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caggcagagc tcggaacaga agacaagccg ttcaagagaa tccctgtcgt ggaataccat 1020
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cctggtaact tcatgagagg cttatggaat ttcgcatga 1119

<210> 4803
<211> 291
<212> DNA
<213> A.fumigatus

<400> 4803
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gttgcgacag tttgtttctg tgtcgggctg ctctgtacc ccgccgccgc attttatctc 120
ccgtccattg tgggcacact cggaagctgc gaatcagccg ccatcaccat ggcgcgcgtc 180

tatgccgatg ttaacgagca tatgcctcgg tcctattggg actacgatag tgtgaacata 240
 tcttgggggg ttttggagaa ctatgaagtg gtccgcaaga ttggtaagtg a 291

<210> 4804
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 4804
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 gcttacagcc caggaggcca tggctcatcc ctacttcgcc ccggttcgcg cagcggagtc 120
 gcaggccgct cggaacaatg cgacgtccca atcgtgaagc caggcgttgc tgatctgact 180
 ataacttcat acattcaggg atctaccgaa cctaactcag cacctgctgt gattcaattg 240
 cgttcttga 249

<210> 4805
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 4805
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 atccagtcct ttcacctaac gggagcttta ccattatcat ggatgacctg tgccacactg 120
 aatagttgca tttcaaagct gacgattgtc aatacaggcc ggggaaagta ctccgaagtg 180
 ttcgagggca tcaatgttgt caactaccag aagtgtgtca tcaaggctct caaaccggtc 240
 aagaagaaga agatcaagcg tgagatcaaa atcctccaga atctggcggg tgggtccgaac 300
 gtggtagccc tgttggatgt ggttcgtgac agtcagagca agacaccgag tttgattttc 360
 gaatacgtca acaacactga cttccggacc ctgtaccctc ggttcaccga ctacgatgtg 420
 cgcttttatg tgtatgagct tctgaaggct ctggatttct gccacagcaa aggcacatg 480
 caccgggatg tcaagcccca caacgtcatg attgatcatg agaagcgcaa ggtgagttct 540
 attgtggatg tcccatcata g 561

<210> 4806
 <211> 444
 <212> DNA
 <213> A.fumigatus

<400> 4806
 ctgcggctca tcgattgggg tcttgccgag ttctaccaca aaggcactga atataacgtc 60
 cgagtcgcct cagctatatt caaggccct gagctgcttg ttgatttcca ggaatacgtg 120
 tactccctgg acatgtggct actgggtgct atgtttgcct ccatgatctt ccgcaaggag 180
 ccctttttcc acggacagaa taactcagat caacttgtga agatcgccaa ggtactggga 240
 accgaggagc tttttgagta cttggataag tacgacatcg agctcgacct tcagtatgat 300
 gaaatacttt ctgcgtacct gagaaagccc tggcactctt ttattaatgc cgacaaccaa 360
 cgcttcatca gcgacgaagc gatcgatttc cttgacaaac tccttcgata tgatcatgct 420
 gtaagtctcg ctgcgtctct ttaa 444

<210> 4807
 <211> 1179
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (180)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4807

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ggtactgggc	attgtacatt	gtacactccg	tgttccttca	acccattgac	agtcaatagn	180
tttgtacctc	tcgtgccaga	gaaacatact	tcgtttgcca	gtcggatatc	catgactcaa	240
gacaacacga	tggacctttt	caagtacttg	aacgccgatc	catctttcat	tacgaacttg	300
cttggagac	cagactattg	ggcgccgcaa	acacgctgga	catccgatag	caatagcaac	360
atattggcct	gtggtccgat	acatctgttg	cccttgatca	gtcgacatgg	gctgacatcc	420
acagactttt	actgtcaaca	ccccgcctgg	aacttacatt	ttcaaggggc	accttttatcg	480
gtatatctgc	gctacgatgc	ggcgttgctg	ctcacaagct	acatcatatc	ccacaaggaa	540
ggggactcga	atatccaagc	gctgcagaat	atattcaacc	tcgccatcaa	aacggcacccg	600
gcagagcaag	gaacacgcat	cctgtctcgac	gatccgtttg	acctcgccgt	catcctgtcc	660
accttaaact	togaggcctc	gaaatatcac	gcgcaacgat	tccggcgata	catgtggacc	720
cagatcaaca	aggctcgacga	ccatctcgcg	gggctcgaaa	ccaacgaccg	ccgcaaaactc	780
ggggaaactga	caaaggagct	gcaaatactc	tcccaaaacg	cggactcgca	tctgggcaat	840
gcggacgtcg	ccatcatcac	agcaactggc	atccgcacgg	cgcatgctcg	cttgcatgaa	900
gccatgggca	gcccggctcg	ggtgtttgag	cgcgcgtctg	actcgatcac	atacgttatc	960
gagtcctatgc	agaagcagaa	gatattggtt	ctcaactaca	agaaccgtaa	agacagcacg	1020
atggcggttg	tgtataacct	tgtgacgcaa	caggatgctg	ccagtaacat	acaattggcg	1080
gctagtatga	aacgagatag	taccagcatg	aacgcgattg	ctgcgttgac	gatgggtcttt	1140
ctgcccggga	cattcatcgc	ggtgagtaac	ctcaggtag			1179

<210> 4808

<211> 996

<212> DNA

<213> A. fumigatus

<400> 4808

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gagcgcttgt	taaacaacct	ggcagagggt	atcaacgaga	tgaacgtcaa	ccatgttttc	120
ctcactccca	ctgtggctcg	actgctgaat	cccaaggatg	ttcccaacct	ggagtccatg	180
actgtcggcg	gtgaacagct	gacccgtgac	gtggtgacaa	catgggcatc	gcgagtgaca	240
cttcgcaatg	gctacggggc	taccgaggct	tctgtgctgg	tgacaatgaa	ggacgttgat	300
actgacacaa	ctggaggcaa	tatcggcagg	ccccttgect	ctgtgggtgc	catcgctctc	360
gaagcagatg	gagtcctgct	tgttccttac	ggcgtgctcg	gagagctgtg	cttcttcggg	420
ccgcagcttg	cgcaggggta	tttcaagaag	cctgatatta	ccagtgcgcg	tttcatcgag	480
agtgaagtgc	tcaacggccg	acgcctatac	cgcagtggtg	acttggcccg	ctatctcccg	540
aacggagaca	ttgagtgtct	gggccgcaag	gacgaccagg	ttaagatcaa	cgggtcatcga	600
attgaactgg	gagagataga	acaggccttc	ttgcggactg	gtgagattaa	ggactgtgtg	660
ttaacagtct	ggaagcacaa	cagcactgct	catctcgttg	cggtcgcggg	ttttgatggg	720
gcttcttccg	aaaagccggg	tgaggtgctt	cccttgatg	gttttgccga	gaacgtgcag	780
cgtgtccggg	ccaagctcac	tggccttact	ccatacatga	ttcctaaggc	aatcgtcccc	840
ctttcgtcac	tcccaagact	tcccttccgg	caaggccaat	cgcaagaagc	tcaaggcgat	900
ggtacagtgc	ctgagtcagg	gcgaactgac	caagttctca	ttcgacaagg	tggcgctgcg	960
gcagtcaaag	ggtgcgggta	tccctctggc	gtctga			996

<210> 4809

<211> 891

<212> DNA

<213> A. fumigatus

<400> 4809

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cgcaagaagc	tcaaggcgat	ggtacagtgc	ctgagtcagg	gcgaactgac	caagttctca	120
ttcgacaagg	tcggcgctgc	gcagtcaaag	ggtgcgggta	tccctctggc	gtctgagacg	180

caaaagggtgc	tgcagcaagg	atggatcgaa	acactgcagc	ttgccgacga	tgactttggt	240
ttggaagccg	acttcctcag	cctcggcggc	gattccattg	ccgccatcaa	tctcgtcagc	300
tggctcagac	gcaagcaact	caagatctcc	gtgcgagatg	tactcaaata	cactagcctc	360
ggtgcaatgg	ccgaccagct	gaagggcgag	tcgggcgatg	cacatcagat	tcaaaagaag	420
actttcacgc	ctccctcgga	gatcgatgct	gctatctctg	ccgctgggtt	gcaagcgact	480
gagtatgaat	acatctatcc	ctgcccgcga	gggcaggccg	agttcctgac	ccagggcgct	540
catcccagag	ccttgtggag	tctgatgaca	gtccggaagg	tcggcagtga	ctttgcaccg	600
agacaatgga	ttgacctcgt	tcgacagcta	acaacgacca	acgagattct	acgcacaacc	660
tttactcgct	gtcacggaaa	ttggtatggt	gttgctcctcc	gcgacgcaac	tcccgtggctc	720
gagatctatg	aagatgtcag	caacgagcag	agacaacaaa	tcatcaagtc	tcttgacgac	780
taccgttttg	tgtttgggaa	gccctttatt	cgctatgccca	ttctccattt	gtcgacagggc	840
gagaccgaaa	ttgtcagtc	tcacacacgg	gcctggaagg	tccgcaatgc	g	891

<210> 4810

<211> 960

<212> DNA

<213> A.fumigatus

<400> 4810

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ttttgcagat	tactagagac	tggcagtagc	cctttcatca	gaaacactgc	tgcccagcaa	120
ctggcagatg	tgcagaagca	gcatccagac	gaattattca	atcttctcgg	acgtattcta	180
ccatatcttc	gatccaaatc	atgggacacc	agagctgctg	cagccaaggc	aatcggctctc	240
attgtcgcca	atgcagacac	ctttgatcct	aaccaggatg	acggccagga	gatcaagaag	300
gccgagaatg	acgatctcga	cgttgacatc	aaatcggaag	aggagctggt	gtccccgatg	360
gacgactcgc	tcttccaact	ggagcgtctc	gatctccctt	ctatcctgaa	gtatggaaag	420
agacttctcg	gcagcgcagg	taaggaatat	gagtattcac	tggccgctat	ggatcctgct	480
tccgactgc	agcatcaaaa	gaaaaccctg	acctctcgct	tgggtctcgc	cggggagtac	540
atcgaagagg	acctaataca	tgacaacgac	ctggtttcga	aaccggttgt	gaaggaagag	600
ccatctttcg	ttgcatcccg	cgagcacagc	attcagggca	cttcccagcc	tctggcgtcg	660
ccgattgaac	ccgccaatgg	agaggagtcg	ggcttgagca	aacggcagct	caatcaacta	720
aagcgaaaga	ataagcaaag	cgccagaatg	ggagcgaata	aagtgcgtgt	agtcgacctg	780
tctctcgcgga	gagcgtcgga	gaacgtgaca	acgccttcgg	tggccacgcc	ttatcccatc	840
aaatcagaga	atggagaaga	gcgcaacggc	gattccaagc	cagattattt	ctcgttagac	900
cgatccgccc	gcgatgatga	gtcgaagagt	cctcaccacg	aggcgccagg	accgccttag	960

<210> 4811

<211> 723

<212> DNA

<213> A.fumigatus

<400> 4811

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tcactttcac	ccacgccctc	catggcgagt	atcccccac	cgaagttctc	catcatcttc	120
cctactcctg	acgagatccg	ccgatctctg	aacggctatg	gatccggcgg	atcgatccac	180
atgaaactgc	aaagcgtcac	acagcagaaa	caacttcaat	atatgcggcc	gtatctgcgc	240
cactgggcgg	gagacagtga	cagcagtagc	tcgacaagca	ccccccaacg	ggaagcaggc	300
cgttgccgcg	cggcaccaca	tatcaaaacg	tacattcgct	tctcggacgc	agagaagatg	360
gacacgattg	actgggcgat	ggtgacgtcc	gccaacctgt	ctactcaggc	gtggggagcg	420
gccgtcaaca	acgcggggga	agtcaggatc	agcagctggg	agattggagt	gatagtctgg	480
ccgcagcttt	ttgtttcacga	agataatacc	accgagcgac	accagcaagc	ggttatggtc	540
ccgtgcttca	aacgtgacat	tccgctgcag	ctcccggagg	atatgccaaag	atgcgatggt	600
ctcgtcgggc	tccggatgcc	atacgatctc	cctctgacct	cctacaaggc	gaacgaagtc	660
ccatggtgcg	ctacaattgc	ccacaccgaa	ccagactggc	tgggacagac	ctggggaggg	720
tga						723

<210> 4812
 <211> 426
 <212> DNA
 <213> A.fumigatus

<400> 4812
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 ctaccataa taaatattgt ctattggaac cattcgaact ggaccgagtc aaatgcagtc 120
 cgacacgact acgaggtggc tctgagtata gtcactttag gcggtgttct gcttggccag 180
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 gttattctga tcttccccac tctggggctc gcattatcgt cttctggggc cgagaattcc 300
 atgtctgcta tctccctttt cttgttttgg cgtggactgc tcgggattgg tttgggaggg 360
 gattatcctg tcggcagtta tctgttcaga gtaagatccc atccggaatg gcgtaatcgc 420
 cgctga 426

<210> 4813
 <211> 615
 <212> DNA
 <213> A.fumigatus

<400> 4813
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 cgggggcgac tacttgcaac ggtcttcttt tgtcagtcct tcggacagct cgccgcacag 120
 ttgattgctc tcattgctat ggcgggcttc caacaccata tccccaccaa ccctgatacg 180
 atcacatgta cagaaaacctg tgtccgaagt cttgacacta tctggcgtct tctggtcgga 240
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 tcaggttcat tccgactatc agcaacccaa tcagtgcacc accagccaga tcggcctgcc 480
 tctgctgccc cttttgcgga acaagatgcc gcctctccat tggccatctt gaacgacttc 540
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 gggctcttggc tcgaa 615

<210> 4814
 <211> 744
 <212> DNA
 <213> A.fumigatus

<400> 4814
 gcgcggaccc ttgccgcctc cgtgagtga gacgcctggc gtggaaagta cctcaatgtt 60
 gtgcgagaat gtggtggtgt cgacattagc cagaaagtga cggacgttcc tcatacacta 120
 gatgatcccc ggttcctaga caacgtcaat gccgcctaca cctatgcaa tgcgtctttg 180
 ctgaacctcc ttctcacgaa aaactcgctc acgacacgat tccggtctct caagcactac 240
 ttctttcttg atcgctctga ttttttctca tactttcttg agcttggctc gtcagagctg 300
 cgtaaacccag ccaaaaacgt caatgagaac aagcttcaat cgcttcttga tttagttcta 360
 cgtcaacccg gcagtattgc agcttctgat cccttcaagg aggacgtcaa agtgccgatg 420
 aacaagattg ggctaacaaa atggctgatg caagtgggtga gcgtatccgg aatcgaccaa 480
 gacaaccccg aggtgtcct cgagagatac caggctcctc aaacacaagg cggagaggac 540
 gacaaggata tcgttggttt cgatgcactg gaactcgatt actccgtccc cttcccactg 600
 tcaactcgtc taagccgcaa gaatgtcctt cgatatcaac tgatattcag acaccttctc 660
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 tggctggcgg cacaattctt ctga 744

<210> 4815
 <211> 426
 <212> DNA

<213> A.fumigatus

<400> 4815

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tcatcatcgg	ccagacgaat	ggaaggaggc	agcggcgaga	gttcctggtc	ttgtgaggga	180
acgtcgagat	catccttgcc	agccacatcg	gaagaagccg	ctccagcaac	gcgactaggg	240
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gccgtagcac	cagaagcacc	agcctctgct	tggcgagct	tgcgtctcgc	attgcgcgcg	360
gcgcgggctc	tgctacgagc	ggacatcgag	gctcgcccac	tcaggtcaag	ggcatccatg	420
gcatag						426

<210> 4816

<211> 198

<212> DNA

<213> A.fumigatus

<400> 4816

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atcgtcggat	gtcaacgctt	ccgcgtcgtc	atctgcatca	ccaccaatga	aactatcctc	120
gtaaccaggc	tctgctgggc	gcgggggatcg	gtcgtcgcga	tcgcgaacgt	catcctcatc	180
cccgtccct	tcacctag					198

<210> 4817

<211> 1146

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (25)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4817

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ccacttacac	agcaccagct	ggctgtcgaa	cagaatcggc	gccagcgat	cgattatctt	180
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gaggaggtct	cacggggaaa	gggtggcttg	atccctcacc	acgaggaaga	agaagacttt	360
ggagaatccg	cgggctactt	cttgctctgt	atccgtaagg	ccgccagaag	gcttgaccgc	420
tgggactatg	aaaacgcgaa	tggtccgaag	agagaccgca	agaaagagag	agaggagcgc	480
cagaaagcca	ggcagaacgg	ctatgccatg	gatgcccttg	acctgagtgg	gcgagcctcg	540
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gaggctggtg	cttctggtgc	tacggccggc	gaggcctcca	agggggcaaac	tgctcatcc	660
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gacgacgcgg	aagcgtttgac	atccgacgat	gaagttgacg	acgaggagga	tctcgacgac	1020
ggagatgggtg	gagtcgatgt	ggacgaaaac	tcatcgactt	tcgatggcgg	aaatggatac	1080
gctgccagcg	agacctcttc	tggtgcaggt	gatactactg	ctgtcctaga	cgatggcaaa	1140
gtctag						1146

<210> 4818

<211> 408
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (369)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4818
 aagaggacga gccattaccc aggcgcgcaa agcgtccacg aaagggtaat tcagaccagc 60
 tcccttggcg acctcccttg gatggggggc caggagaagg tctgctgtgt aagttcagtg 120
 caatgctcca gcacgtgggtg tcatgtgtta accaagggtta tctatgatat agacgacgcg 180
 tattatggaa ccaatcctat gcggccgcct tccaagcgtc cagcggatcc agatgaaggc 240
 tatctgacgc ctactcaatc atcgcgttct gagtccaaac gaccaagcg ggagtcgtct 300
 cttaccgcgt cggtcgggtca gcacgcactg attttgaaga ctaagatgga gcagaccccc 360
 cgacgcgtnc tcgcccggcg cctccaggtt caggtcatcc gattctga 408

<210> 4819
 <211> 987
 <212> DNA
 <213> A.fumigatus

<400> 4819
 cacaatcatt tgagaagttc accatcacga ctgatctgta atatgattcc ccggaccgaa 60
 gttctcatta tcggggcccg acccactggc ctctgtgttg ccctgtggct caccgcccag 120
 aacgtcaaag tgcgcattat cgacaggcaa gaagccaaac catccacttc tcgggcggtg 180
 gtgggtccacg ctctgtccact cgagctatat cgccagctcg gccttgccga cgacgtgttc 240
 gccaacggcc acaaaatcga agctaccaat atttgggttg aggcaaccca ccgcgccccat 300
 gtacccatcg gtgatgtcgg caaggggttg accccatacc cgtttattca tgtatatcct 360
 caggatcgcc acgagagggt actggaagac cgcttgaacg cgatgggggt aacggtgcaa 420
 cggaactgga aattgggtcga ctttgaggag cagcagcagt acatcttagc tcaactgaaa 480
 tacacatccg agcagccaag ttcaacagag aaaacagagt tctgtgaagc aaggtacatc 540
 gtgggctgcg acggcgccca ctccgcgctc ggtcatcttt gcaacattgc cttcgaagggt 600
 ggaacgtatc cccagctctt ttatgtaacc gacatcgagg gcagcgggcc aacgatgaac 660
 ggcgaggcgc acgtttcgcct caatggatcc gaattcatgc tatctctcgc atacgacaca 720
 aaccgacgag cccgtctcgc gggcgccgtg aacgaagaac acgtaaccaa agacatttcc 780
 gaactgacgc tcgacgacat cctgcccacc acgatcaaga aaatgggact gcaaactcgac 840
 aaagtgaact gggtcaccac ctaccgcgtg caccatcgcc tcgcagccag cttccgcaag 900
 ggccgcgcgt tcctcgacag cgacgcagcg cacatccaca gtcccgtcgg cggatcttca 960
 cgacgggggt gcaaggacac gcgagca 987

<210> 4820
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 4820
 tcaagttgca gtcccaggcc taccgccgcc ccagcgcaga agcccactgc caaaccaact 60
 attcagccga ccgtgggtac gactggagc gccatccaag aagagaaggc tcgcgccctt 120
 ttccccaagt atgggctgac gcttgagctt ggagagtggg gatcgtcgag cgacatgacc 180
 gtccgtcttc acctacggga actggacgaa tccgcgcttg atgtttggaa g 231

<210> 4821
 <211> 393
 <212> DNA

<213> A.fumigatus

<400> 4821

cagctggttt	ttgcccactg	tgacctcctc	tgtgccaacg	ttatcatcct	gccgtcacag	60
tgtcctgcca	ctgccgcaac	ctctgacaaa	gaagcactaa	aggtgcagtt	catcgactat	120
gagtagcgga	ccccatctcc	agccgccttt	gacatcgcca	accactttgc	cgaatggggc	180
ggatacaact	gcgactacag	catgatgccg	acgcgttccg	ttcgccgaca	attcctgacc	240
gagtatgtca	agagctacag	ccaatatcgg	gggattcccc	aatgtgcccc	gcaggagatt	300
gtcgaccgat	tatatgagga	tgtcgatcga	ttccgtggca	ttcccggact	atactggtat	360
gtccctggtc	actgcaggtg	gactttaatc	tga			393

<210> 4822

<211> 186

<212> DNA

<213> A.fumigatus

<400> 4822

tctgacaagt	acagggggcgt	gtggggcactc	atccaagccc	agatctcaca	gatcgacttt	60
gactatgctt	cgtacgcgga	gacccggctg	ggagaataact	acgcctggcg	gcgagaagtg	120
gatggctcgc	gggttcaggc	gagcgaagag	atgccctccc	gagaacgtcg	ctgggctgaa	180
gcttag						186

<210> 4823

<211> 303

<212> DNA

<213> A.fumigatus

<400> 4823

tgtaacggca	atgacgcata	caacgcattc	gacgaagcag	acgtggatgc	tctcaacttc	60
agcacctcca	ccaacctcct	ccacgccttc	cacccccgtg	cgcgatgctt	ctccggcgctg	120
gcagggtccg	gatccgcca	cgctctcgaa	aacaactcca	gcgacaccca	cccctcaaac	180
ccaagctcaa	agaacgcccc	cgccacatcc	aggaccggga	ggtatccgcc	gcggctctct	240
tcaaacggga	acagctcgc	attccgcgac	cagctcatgc	gcgggtggctg	cccggggaca	300
tga						303

<210> 4824

<211> 405

<212> DNA

<213> A.fumigatus

<400> 4824

gtggcacaca	ttacaaacga	tgatgtaacg	gcaatgacgc	atccaacgca	tctgacgaag	60
cagacgtgga	tgctctcaac	ttcagcacct	ccaccaacct	cctccacgcc	ctccaccccc	120
gtgccgcatg	cttctccggc	gtggcagggg	ccgatccgc	caacgtcctc	gaaaacaact	180
ccagcgacac	ccacccctca	aaccaagct	caaagaacgc	ccgcgccaca	tccaggaccg	240
ggaggtatcc	gccgcggtcc	tcttcaaacg	ggaacagcct	cgcattccgc	gaccagctca	300
tgcgcggtgg	ctgcccgggg	acatgaaacg	ggtggttctc	gtcgagcggg	gcggagaggc	360
gctccccgtc	gacgatctgg	atgtagaaga	atttttggac	gtcga		405

<210> 4825

<211> 396

<212> DNA

<213> A.fumigatus

<400> 4825

atcgacgtcc	aaaaattctt	ctacatccag	atcgctcgacg	gggagcgcct	ctccgccccg	60
------------	------------	------------	-------------	------------	------------	----

ctcgacgaga	accacccggt	tcatgtcccc	gggcagccac	cgcgcatgag	ctggtcgcgg	120
aatgcgaggc	tgttcccgtt	tgaagaggac	cgcgccggat	acctcccggg	cctggatgtg	180
gcgcggggcg	tctttgagct	tgggtttgag	gggtgggtgt	cgctggagtt	gttttcgagg	240
acgtttggcg	atccggaccc	tgccacgccg	gagaagcatg	cggcacgggg	gtggagggcg	300
tggaggaggt	tgggtggaggt	gctgaagttg	agagcatcca	cgtctgcttc	gtcagatgcg	360
ttggatgcgt	cattgccgtt	acatcatcgt	ttgtaa			396

<210> 4826

<211> 228

<212> DNA

<213> A.fumigatus

<400> 4826

catcctcgcg	ataggcttat	attgtgtgca	ccacggtttc	tcacacttgc	agaacaaaat	60
ttcggggtcg	atcttgaggc	tagagctcga	gctgatcgga	agagagttcc	aattcttgtg	120
acaactctac	taacgtatct	ggataatcgt	aggccaacgg	tatccctctc	ctgccaagt	180
gcatttgagc	taaccaatct	tctcaggcta	tcccgaactc	gaaggtga		228

<210> 4827

<211> 873

<212> DNA

<213> A.fumigatus

<400> 4827

actaccaggt	ccgtatccag	agatgggtgga	ggcggttgca	ttcatcgacc	taatttcttt	60
ccagattccc	ttgtttcttc	gcaagtatat	gagattgtca	agactattta	ttcaactacc	120
gctcatgaaa	cgacggaaga	cggacgaatc	aaagttttgc	aaagcaccct	tggtcagctt	180
cgtctcaaca	acatcgcaac	acttgacgcc	atcatgaccc	atttcacgcg	acttatagac	240
ctaacatctg	ccgatgaggc	atatatctcc	gcattggcgc	aaacactggc	tccctgcac	300
ctccgtccctc	gtgttgagaa	cagccttaac	atgaatgaac	gtcacactac	cgtcttatac	360
gtgacctctt	cgctcacaag	gatgctatct	tggcgagacc	tgaacagtca	atcgagcgtc	420
cttggtattag	gctcaacatc	caatcgcccc	cgtgccatta	gcacagatga	gagcaaccgc	480
cgtgctgcaa	tggaggcgag	gaaccgtgct	atcgtagacc	gcagtcgtgc	caatagcccc	540
gctcctcccc	gcaagcatcg	gcgagaccgc	tctagtgggtg	cttcggaggc	tggacggttt	600
ccaatccacg	tcaccagccc	gaccgaaagg	aaagcagcca	cgaggagcag	tttgggaagtc	660
cgggccagcg	ctgaagctcc	cacaacagga	gagcaattca	caaccgtgaa	catccaggcc	720
aacgatagcg	ccactaatgg	cacatccagc	gactctccag	cctctgccgt	cgccggggag	780
aatacctcct	cagaatcatc	tagtcctccg	cctgcaggta	actccgacgg	ctctccgacg	840
cctactccca	cgcccggcta	tgtgacagct	ccg			873

<210> 4828

<211> 408

<212> DNA

<213> A.fumigatus

<400> 4828

ccaatcttct	caggctatcc	cgaactcgaa	ggtgatgagg	cacgccgtgc	gatctggtta	60
tatgatgttc	ctttggccgc	aacgcaccac	cttcgcaatg	cattgaataa	cagcaaagcg	120
gattacaacg	aaatccttca	gaaatacgat	ataccatttg	tcgcgagcgt	gttgaagttg	180
taccttcttg	aactaccagg	tccgtatcca	gagatgggtg	aggcgttgca	gttcacogac	240
ctaatttctt	tccagattcc	cttggttctt	cgcaagtata	tgagattgtc	aagactatct	300
attcaactac	cgctcatgaa	acgacggaag	acggacgaat	caaagttttg	caaagcacc	360
ttggtcagct	tcgtctcaac	aacatcgcaa	cacttgacgc	catcatga		408

<210> 4829

<211> 420

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4829

cgcggttgg	gttcctttca	accaacccac	aaccgaacaa	gactccccgt	tgataagttc	60
cgaggaagg	cacgcgaagc	ccatgacggg	tacaaagccg	ctgtgcggaa	actggatcag	120
atcagatgta	agctcaaaga	agaaattgtg	nagaatctcc	gctttatgga	gcagtgtgag	180
ttggatcgtc	tcaaagcgat	taaggcggtc	gttctcgact	tctcaggtgc	catcagcaac	240
gtcattccaa	acttgcaaag	caccgtcgat	cacatgatgc	tctatcaaga	gacaattcag	300
ccgctgggag	atctacgtta	tctgctggaa	aattatcgta	caggtgggtt	tgtgccgcgg	360
gtccaggcct	atgagaatta	ttacgggtcc	gttgaaggta	tgtaaacatc	ctcgcatag	420

<210> 4830

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 4830

cactccgggc	taggcataca	gttctgttct	gacgtttctca	gggccggggt	cttcccagga	60
gcagtctatc	tatgcacgtt	ctggtacatg	ccaaaagacc	tttccacccg	tatcgccgtg	120
ttctactgtg	ccagtgccct	gtctggtgct	ttctccggcc	tcttggcagc	cggtattgcg	180
cagatggacg	gcgtgggtgg	ccaggaaggc	tggcgggtgga	tcttctgct	cgagggactt	240
gtcacggtea	tcctgggagt	gatgtgcttc	ttctttctga	tcgactcgcc	acgacgatct	300
gggaggtggc	ttgatcccga	ggagattcgg	tacctggagc	tgacagcattt	catcaaagat	360
ggtggccgct	tcaaggacga	gagaaagaga	gcctcggtga	gcgatatcaa	agccgtgctg	420
ctgaactgga	gaatgtacat	gctggcatac	atcttactct	gccagtccgc	ctgctcatal	480
ggtcagtcct	gatcactcaa	ctctgcttca	gcctcccagc	tcactcgtac	aggaaccaa	540
ttcaccatgc	cgaccatcac	caaagcaatg	ggcttcacca	acacccacgc	ccaactcatg	600
accgtcccgc	catacgtcgc	cggcgccctc	tccgccatct	tcttctccaa	actctccgac	660
cgcttctact	ggcgcatgcc	cttcgtcgcc	atccctctgg	cctcgtgac	catcgctac	720
tccattatca	tctctttcca	cggccacctc	aaagagcacg	tcggcccggc	cttcttcgca	780
gtcactctca	cctgcatggg	gatttacctc	atccaccccg	cgaccacgtc	ctggacagcc	840
aacaacctcg	cctctccag	cagccgagcc	attgggctgg	cggttaacat	ctgcattggc	900
aatatcgggc	gtattatcgg	gagctacatg	tatatcgaca	gtgagagccc	ggagtactac	960
acaggtttcg	gcctgtcatt	ggcatttggc	ggatcagggc	tccttgtggc	gcttctgctg	1020
gagctgtcgt	atatctatgg	gaacaggaag	aaggcgagga	ttccggaggc	ggagatcaga	1080
gagcgggtata	ccgacgatca	attgctggct	atgggtacca	agtcgcctct	tttcaaatat	1140
accttgtaa						1149

<210> 4831

<211> 204

<212> DNA

<213> A.fumigatus

<400> 4831

actcggacag	aggtccccag	caatatgctc	ctgaagagct	tctccagacc	gtctgtttac	60
attggcattc	tgatcacctg	ctgggggatt	atcatgacct	taactggaat	ggtgcggacc	120
tttgccggct	tgatgggtcac	ccgcgttctc	cttgggatct	tcgagtatgt	gacactccgg	180
gctaggcata	cagttctggt	ctga				204

<210> 4832

<211> 468

<212> DNA

<213> A.fumigatus

<400> 4832

caggccgaaa	cctgtgtagt	actccgggct	ctcactgtcg	atatacatgt	agctcccgat	60
aataccgccg	atattgccaa	tgcagatgtt	gaacgccagc	ccaatggctc	ggctgctgga	120
ggaggcgagg	ttgttggtcg	tccaggacgt	ggtcgccggg	tggatggggg	aaatcccat	180
gcaggtgagg	atgactgcga	agaaggccgg	gccgacgtgc	tctttgaggt	ggcgtggaa	240
agagatgata	atggagtagg	cgatggtcac	gagggccaga	gggatggcga	cgaagggcac	300
gcgccagtag	aagcggtcgg	agagtttgga	gaagaagatg	gcggagaggg	cgccggcgac	360
gtatggcggg	acggtcatga	gttgggcgtg	ggtgttggtg	aagccattg	ctttggtgat	420
ggtcggcatg	gtgaatttg	ttcctgtacg	agtgagctgg	gaggctga		468

<210> 4833

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4833

ctttttttct	tttttttcaa	gtatatgtcc	tgtgaccttc	ggacagagcc	agataagggc	60
tatgcccgag	cattcgagtc	agtttcgaag	cactgttctg	ggggatgctc	aacatcaaaa	120
gactctacat	tgttctctat	aaaaaaaaacta	gtccttggct	acaactgcga	gcctgtgtac	180
ctatttgga	agggaaatgt	tgatagtgt	ctgtag			216

<210> 4834

<211> 258

<212> DNA

<213> A.fumigatus

<400> 4834

cactttccag	ctctgaataa	gaaacagcgg	aaacgctacg	agaagaaaat	ggctgcgaga	60
gcccgcagc	tgccgcctca	gatccctgtt	catcatcatg	ctacggatat	cacgcctgcg	120
gattataacc	gtgaacggac	ggaagatgtt	cttaccctgg	cggctgagag	cattgagaag	180
cggacggaga	ttacgaagag	tgcgagagat	gcccggagaa	aggcgattag	ggaggcgaac	240
ttcctgcggg	ggctgtga					258

<210> 4835

<211> 267

<212> DNA

<213> A.fumigatus

<400> 4835

aaagagaatt	gctcgagcgt	cctggatgca	tatgtacaga	tgtccacagg	cagattactt	60
aaccgcgagg	caacctcgga	ttgccagggtg	tgtccagtgg	cagatacggg	tacttttctg	120
gcacaagtga	gcatcagtta	ctcagatcgc	tggcgcaatg	tggggctgtt	gttcgtgtac	180
attgtgttca	acatctttgc	cgccatcttt	ctgtattggc	tcattcgggt	gcctaagaaa	240
agatctcgca	agatcaagga	ggagtaa				267

<210> 4836

<211> 945

<212> DNA

<213> A.fumigatus

<400> 4836

atccttgccg	ggtcgtcggc	tcctgtgggtg	aagacctccc	gatgtgtggg	gctgtcgcat	60
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attctcgatg cagtgcccaa gactatgcag atcgagaagt accaattcaa actcttcgcg 120
atgatgttct cgtctttcga agagatcctc ttcttggacg cggacgcctt cccgttagag 180
aagccagaca tcctcttcac gaacgagccc ttccggtcga agaatatggt cacctggccg 240
gatttctggg ccgacaccat ctgctctac tactacgaca tagcatcgaa gccgatgcc 300
tcaaagacca ttgccagtc gaccgaatcc ggcgagctac tcctctccaa gaagacgcac 360
tcgaaaacgc tcctcctgag cgcgtactac aatttctggg gccagatta ctactgggcc 420
ctgctgtcac agggcgagc cggagagggc gacaaagaga cttcgtcgc agccgctctg 480
acaatggacg aaccgtacta ccaagtcaga gagcccatcg tggctctcgg tcaccgcacc 540
caatctggcc tggccggctc cgcaatggct caattcgacc ctgtcgagga ctacgccctg 600
acacagaagg gagagtggcg cgtgcacggc tccaaagctc ccgcgccccg cgctttcttc 660
atccacgcga acttcccaa gttcaacccc gccacggtct tcgacgagca agccgtcaag 720
ccgacctttg aagatgacgg cagctacacg cgcgcctgga cgatccccga agaggttaatt 780
gggaagtcc gcacggatgt ggagaagcag ttttggaggg agatcttgtg gacggcgtgc 840
gagctcgaaa ccaagttccg gtccctggag gggcgtgagg gtatatgcca gcgagtcaaa 900
gactactgga acgcgatgtt cccacgcag tcggtcaaga cgtga 945

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<210> 4837

<211> 438

<212> DNA

<213> *A.fumigatus*

<400> 4837

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acggagcttt tttccgaaa agcatcgccc atcatggctg gttctctctc tctcttctcc 60
gtcaatgccg tcctgctcat gtgggtgat gatggatctc gcatcttcgc caaatactac 120
tccccgcctc atccccagc tgggtgctgc cccaatgcaa cagattacc aggcgccaat 180
ccctacccaa cgctgaagga tcaaaaggcg ttcgagcagg gtcttcttga gaagaccaac 240
aagcagacca gtgatgtgat cctgtatgac aaccgggtgg tcgtcttcaa gatggagagc 300
gacgttatga tctatgtggt cggaggcgcc gatgagaacg aggttttgc gtacaatgtt 360
gtcctatcgt tgcgagatgc cctgggaatt ttgttcaagt acgatttcgg ctgttttggc 420
agctacatgc tcaattga 438

```

<210> 4838

<211> 291

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (288)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4838

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gcaatcaacg agaaattcaa gcagcttgac ttccaggact gtaaagtccg tgtcttgaac 60
gtcgattctc aggcacgtt tgacaacatc ctgatttccg tcattgggtga aatttccaac 120
aaatccgagc cgtcccggaa gtttgtgcag actttcgtgc tcgctgagca gccaacggc 180
tactatgttc tcaatgatat cttccggtac ttggtcgacg aggaggagga ggaggagata 240
ataaagtctt caccacgggg ctggaagtat cgacggtgtc atttttanta a 291

```

<210> 4839

<211> 540

<212> DNA

<213> *A.fumigatus*

<400> 4839

```

atttcttctt ctttctgcac ttattgtcgc ctttcgtcgc atagaagctt tctgccattg 60
tccatatact tttggcctcc caagacctt tctccaactc atctcccacc acagcttctt 120

```

acaatgtcgcg	acacgaccca	gcctcctatg	aacggcaact	accccgcgca	acatgcgtat	180
cctgactcct	acaaccacgc	ccatactgcc	gtgaccagtg	tgtccaactt	ccagccagcg	240
cagtcactcta	ccccaccaa	tgcctcctcct	aatgaccaga	aaaatggaat	ctccaaggat	300
gaagttgggt	ggtaactttgt	tgagcagtag	tacaccaaca	tgagccgtag	cccagagaag	360
ctacacctct	tctactcccg	gcgggtcccag	ctcgtctttg	gtaccgaggc	agagtcgggt	420
cctgtgcgag	tgggccagaa	ggtgagttgg	atgcgcctcg	aactggttgc	gccccagaga	480
gcattgctaa	ctcgactacc	catccgctta	ggcaatcaac	gagaaattca	agcagcttga	540

<210> 4840

<211> 510

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (385)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4840

acgtgtgcgt	caatatgtgc	cttcttaacc	cgtttgcagt	atactatcgc	ggcaacgcta	60
tcctctagtg	ggtccaactt	tcgtcattta	ctgacagaga	ttgcgcttgg	aacccggagt	120
cacctcctcg	aacactttta	gcgatatgcc	gtcaacgggg	ccgggggtct	tatggtcact	180
aaggacatga	cacagtatgc	agatctgttg	aagtcttggg	acatcgacga	acacgtcaaa	240
ggaccaggtg	gtctactaga	cgttctgcta	gaagtaggca	gtctattcgt	cattgggcca	300
gaagctttac	tggagagaat	tcgtgcagga	gccagctctg	atgcaagcag	acggccaggg	360
gctagtcgca	ctgatactga	acgngacag	gagctactag	agactggcca	catcgagcca	420
ggccttagtg	tacaggagat	cagagcttat	gtgtctcgca	gggaggattc	cagcactaca	480
gcaatgcaaa	atgtgctcaa	cctcctgtga				510

<210> 4841

<211> 270

<212> DNA

<213> A.fumigatus

<400> 4841

tcttcgtgga	ttgttctatg	gttcgctacc	atgattaatc	catggctact	gatcacaagc	60
ttcctggcac	tagccatcct	atcactgggt	tattgcgcga	agaagttaga	accagaaatc	120
acttcctcgt	cttcgacaa	tgagcccttc	tcattgttct	atttcgagga	acccgaaacc	180
atgcttattg	aacaccgaaa	atggaaactt	ttccctcgt	ttcatggggg	taaggccggg	240
gaactgggtg	atggccacat	gccaaattaa				270

<210> 4842

<211> 360

<212> DNA

<213> A.fumigatus

<400> 4842

tttctggtcc	tggaacagcg	tgtatccagc	atacaagaac	agttgcagct	tgaccggggc	60
aacaatgaca	agatcgatcc	atccttcaac	atttcctacg	atgtgttgcc	ctttgagagc	120
ggtggaggac	ccctacaatt	atcgtatggc	aactatctcg	gcgcctacgc	ccgtacctgg	180
cagaagagca	ggaggaatac	attagcagat	tcgacattga	taatcgcagt	gtccttgctg	240
aaggatatccg	tacacccttg	caggaaaagg	actgcagatg	ggttatcctc	gcccacgact	300
tttctccctc	gagtcaagaa	gtatggaggc	ggcttcccgc	tcacagcgtc	ttcgtcttaa	360

<210> 4843

<211> 498

<212> DNA

<213> *A.fumigatus*

<400> 4843

acgcatggag	gcaccacaaa	atcaaatacct	ctatgccagc	accacagcaa	caacctacta	60
tgccagggcc	attgcctacg	cagccacagg	agatatcccc	tctgcgaaaa	ccaacagtct	120
ctcttccatg	atgcatgggc	gcgggtccct	gagacccgac	gcgcctacaa	tggcaagatg	180
atcgacgtcc	tcaaagtcgc	agatgcaatg	ctagaaggag	aaatcgagta	ccgctgcaca	240
aactatgata	aagcctttgc	cgcgctccgt	cgcgcaattg	acctggaaga	taagttgccg	300
tacagcgagc	cttggtcatg	gatgcagccg	gttcgccatg	cgtatgctgc	tcttatgatg	360
gagcaggggt	accttgagga	agcattgcag	gtttatcgtg	cggacctagg	attagacact	420
tcaattattc	ggccgcgcag	acacccgaat	aatgtctggg	cctgcagggg	gtatcatgaa	480
tgcttggttc	gattgggg					498

<210> 4844

<211> 1305

<212> DNA

<213> *A.fumigatus*

<400> 4844

ttcattatct	ccaagatatt	caaatacttc	attatgtctt	cccttctagc	catgagccca	60
gtactagcca	gcaacgaata	ctatgacctc	ggctcctttg	gccgcaccat	caccaccacc	120
agcactgatg	ctcaaatttg	gttcaaccga	ggcctgactt	gggtatactc	ctttaatcat	180
gcagaaggag	cttattgctt	ccaacaagcc	ctcgcacatg	atcctgaatg	cgcaatggca	240
tactgggggtc	ttgcctacgc	agtcggcccc	aactacaaca	aaccgtggga	aaagtctgac	300
cagggcgacc	ttcacacctc	cgttcaacgc	gggtacaatg	cagcgcgaga	ggcaaggaaa	360
cacgccgctg	tgagagcaac	accccttgag	cgagccttag	ttgatgcaat	tcaatctcga	420
ttcccgaccg	gtgaacctgc	tgaggactac	ccagccgtca	atagggatta	tgctgctgcc	480
atgaaaacgg	tttacgaaac	ctacggacgg	gatctaaatg	ttgcgacgct	gtacgctgat	540
gcattgatga	atatgacacc	atgggcgctg	tgggatctgt	ttacgggtaa	accgaatcca	600
aaggcgccaa	cgatggaggt	gaaagccgta	ctcgaacgcg	ccctggcaca	ggaggaggat	660
ggcgcactcc	ttaacccggg	acttcttcat	ctttacattc	atttcggtga	aatgtcacc	720
acccctgagc	tgggcatcaa	cgtcgcagat	catttgaggg	accttgtccc	cgatgctggc	780
catatccacc	acatgccaac	acatctagac	atccttattg	gtgactggcg	gcggtccata	840
tctctaaact	acaagtcgac	cttggcagat	gataaatatt	tccggaaatc	aggcgccaaa	900
aacttctata	cattttaccg	tctgcatgac	tatcattcct	tgatatatgc	ggcgaatgtc	960
gccggcaaat	caaaggctgc	atltgacgcc	gtcacacgca	tggaaatccac	agtaccagaa	1020
gaagtcctcc	aaatccggtc	cccacctatg	gcagactggc	tagaacagtt	cctaccatt	1080
cgctgcaca	taatgggtccg	cttcgggatg	tgggaaggaa	ttaaacgcat	ggaggcacca	1140
caaaatcaaa	tcctctatgc	cagcaccaca	gcaacaacct	actatgccag	ggccattgcc	1200
tacgcagcca	caggagatat	cccctctgcg	aaaaccaaca	gtctctcttc	catgatgcac	1260
gggcgcgggt	ccctgagacc	cgacgcgcct	acaatggcaa	gatga		1305

<210> 4845

<211> 1203

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4845

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ttctttgtct	tcacttcggt	catcctgact	ctgaccatgt	ccatgttctt	cgggtctatg	180
gcacgcctat	ccagatccct	tgtccaagtt	ctgcccttct	ccgccgtgct	acttctcggg	240
ctcagcatgt	acactgggtt	cgctatcccg	actggatata	tgctgggctg	ggctcgctgg	300
attgcgtaca	tcaatcccat	cagctatggc	tttgagtcac	tgatgatcaa	tgagttccac	360
aaccgcgatt	tcccggtgcat	ggactatgtc	ccatcgggtc	ctggctatac	ggatgtcggg	420
ctcaacaacc	gtgtttgtct	caccgtcaga	tcagtgcctg	gacaagcctt	tgtcaatggc	480
aatgcttaca	ttgagtcagc	atatagctat	accgcttctc	acaaatggag	aaacatcggt	540
gtcatattcg	cttacatgtt	cctgcttggg	gcggtctatc	tcgttgcttc	tgacttcac	600
accgagaaga	agccgaaggg	cgagatcctg	gtatttcctc	gcggacacaa	ggctctgaag	660
aaaggcaagt	cagatgagga	tcttgaaggg	gggtggtggc	gcagcgccac	agtcgagaag	720
atcggctcag	atggccttgc	catgattgaa	cgccaaaccg	caatcttcca	gtggaaggat	780
gtctgcttcg	atatcaagat	tggaaaggag	aattgcagga	ttcttgacca	tgttgacgga	840
tgggtcaaac	cgggaatctt	gacggcgctt	atgggtgttt	cgggtgctgg	aaagaccacg	900
ctcttgatg	tccttgctac	gcgcaccacg	atggggatta	tcagtggaga	aatgctcgtc	960
gatggtcaac	cgcgtgatga	gtcctttcaa	cgtaagaccg	gctatgctca	gcaacaagat	1020
ctgcatattga	gtactgctac	cgtgcgcgag	gcacttgagt	tctctgctct	tctacgtcaa	1080
tctgctcacg	ttcctcgctc	agagaagatt	gactacgtga	cagaagtgat	caagcttctt	1140
gacatgacgg	agtatgcgtc	ttcaccacgg	ggctggaaaag	agccgctcta	tttgcaattc	1200
tac						1203

<210> 4846

<211> 1275

<212> DNA

<213> A.fumigatus

<400> 4846

ctccggtgga	agacttgctc	gagtttcacg	agctgttata	tcaccatggc	gtctgacgga	60
atgcctccag	ccaaaaggct	gaagagctct	aaccttccac	cacacctgcg	cgatgcgaag	120
cgcaaagaca	tcgacaactg	ggaaaaccaac	cggatgctca	cgtctggagt	cgcgcagaga	180
cgcgattttg	aaggcgactt	tctgccagaa	gatgaagatg	gtactcgagt	ccatctcctg	240
gtccacgatc	tgcgaccgcc	gttcttgga	gggcgcacga	tttttaccaa	gcaactggag	300
cctatctcag	ccgtccgcga	tcgcgagagc	gatatggcgg	tggtcagccg	taaagggagc	360
aaggtagtcc	gagagcggcg	tcagcaacga	gagcgtcaaa	aacaagcgca	agaggcaaca	420
acaatggcag	gcacggcgct	gggcaatatc	atgggtgtca	aggaagatga	gggcgacagc	480
gctgttgcca	tgccggtaga	ggatacttat	agaagtggga	acaagtgtgc	ccagcacctg	540
aaaaaggatg	aaggcggaca	aagctctttc	agcaagagca	agacgcttcg	cgaacaaagg	600
gaatatctgc	ctgcattcgc	cgtacgagag	gaattattac	gagtcatacg	agacaatcaa	660
gtgattgtgg	tggttggtga	gacaggatct	gggaaaacga	cccaactgac	acaatttctt	720
catgaggatg	ggtactcaaa	atacggcata	attggctgta	cgcaacctag	acgagtggct	780
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ggttatgcca	ttcgatttga	ggattgcacc	agcaaggata	cagtcatcaa	gtatatgact	900
gacgggtgtc	ttctgcgaga	atcgctgggt	cagccggatc	tggaacaagta	ttcttgcatc	960
atcatggatg	aagcacacga	aagagcttta	aataccgatg	ttctgatggg	ccttttgaag	1020
aagggtattg	cgcgtcgaag	ggatctgaag	ctgatcgctc	cctcagccac	catgaattca	1080
gaacgctttt	ctcgattctt	tggtggtgcc	cccagattta	tcacccctgg	acgaacgttc	1140
cgggtggacc	tccacttctc	ccgtactccg	tgcgaggact	acgtcgacag	tgccgtcaag	1200
caggtcttgg	caattcatgt	ctcgcagggg	ccgggggtct	tcaccacggg	gctggaagga	1260
tcaacgggag	ctcaa					1275

<210> 4847

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (81)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4847

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cagaagacca tcaactgggc ntacaccacc acgcatcaac aacctagaga taccaatatc 120
caacactatg agattttctcc cttggcatac tcgaataacc ggattgtttc aaatatgaga 180
taa 183
```

<210> 4848

<211> 231

<212> DNA

<213> A.fumigatus

<400> 4848

```
catattgtac taatttttgcg tcaattccgc agttccttaa ttcaagatga gtacgtgcac 60
attcgacatt acaccgagcg ccgatggcct ttttcgtcga aagattctag cagactgaca 120
acgactacag cgaaggggtac ctccagcttc ggcaagcgcc acaacaagtc tcacaccctt 180
tgccggcggtt gtggtcagta tttcaccttt cgagattttt ctggtggatg a 231
```

<210> 4849

<211> 300

<212> DNA

<213> A.fumigatus

<400> 4849

```
tatgacggca aagagaagac ccgtcccaac accaactcca tgggaaagca tcattttcgc 60
cttgacattga aaccggtcac ttcaaagtc aggccattca taccagccct ctccagcctc 120
cgagaacgag aacgcgacgc cgaatttgat ttagtgatc tcgggaccac gggcgccctt 180
gggagtgccg acctggaagc cgttcttgaa ggcacgggtg acatccttga ggtgggtcat 240
tctgccggtg ccggtgggtc tttctctctt ggccttctct ctccagttgt ctgttggtta 300
```

<210> 4850

<211> 618

<212> DNA

<213> A.fumigatus

<400> 4850

```
agtggccccc cgcagccccc tgggtgaagac agtcctgtac cgcaacgagc tccctccgcc 60
gatgaggatg atcttcttgc tgcttttcgac gcctctgcgc cggtagatgc ttcgacgaac 120
ttcccgatcc cgagcccgag cccctcgccg cagatcgcgc agagcgcgtc taccgcgggc 180
gctcagcagc agcaccagac cgctggaatg tcgttcagcg aagtcgacga tgatcctttt 240
ggtctcaatc agctaaagcc gaagccaaca gcaaccccgg agcccgctca gaccgacgac 300
gatgatttcc tcggcttgct gggaaagcca gtttcggagg tctctcgccc ggcacccgag 360
ccgtcgccga aaccctcatc tccggccatc catgagcatc atgcgccttc ccccaagccg 420
tctagtgggt ccgatcgagc gattgcagag cttgtagaca tgggcttttc cgcagacaag 480
gccagccagg cactgcgggc gacggagtct gggactgacg tccaagccgc tgtgagtttg 540
cttctgacac aggcgcatga agaagcccg t cagaaatcga aaagtaggac accagccgtc 600
gatcgtgagt tcgaccat 618
```

<210> 4851

<211> 681

<212> DNA

<213> A.fumigatus

<400> 4851


```

actatgtctg ttggccgtgc agtgccgggt gttgatctcg ggatatatca ccccgatggt 60
atatacctct tcttccctcg actttctgaa ccatcatacg aacttatccg aacaaacaag 120
caaatcgaag cagacaaaaa ggaagacatg aagaaatacg ctctcattgg caccggcggc 180
cgcgccatgt tcttctacac ggccattgtg cgcgactttc ccaccaccgc gcagctggtc 240
gccttttgcg ataccaacac caccgggatg gcatacgcca acagtctgct agaggcactc 300
ggccatgcgc cagtcccaac ctacgtcgcc agcgacttcg acaagatgat cgcagacacc 360
aaaccggacg agatcatcgt gacgaccatt gaccgcacgc accaccagta catcatccgc 420
gctctggagc tcgggtgcaa cgtcatcacc gagaagccca tgacgattga cgcgccgcgc 480
tgccgggcca tcatcgacgc cgtggagcgc acacagcgcc aggtccgagt gaccttcaac 540
taccggtatg cgccgcacaa cagcaagatc gccgcgctgc tggcctcgga cgcaatcggg 600
gatgtccact ccgtgcactt tgagtggatg ctcaacacgt cgcattggcg tgactatttc 660
cggcgctggg cagccaata a 681

```

<210> 4852

<211> 516

<212> DNA

<213> A.fumigatus

<400> 4852

```

ggcgcaacgc gggctggaat gcaacatggg caatcaccca accaagaaca cgaacaagag 60
atgacacagc aagaccatat cacgccgtt caaaaccctc gcaatgatcc catcaaggag 120
aaagcggctc agttcctggc tactgtaaac gaagaccgaa cttttacagt agaggaggag 180
aaagccctcc tgagacggat cgaccggcgc atcctccctt tgctgttggg agcatacttt 240
ttccagcagc tggacaaatc gtccccctcg tatgtgtcca tttccggcat tgtcgaagat 300
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gtcatgcacc cgatcgccgc cctgctgctc tccaaattac ctacagggaa actgaatcgg 420
gtcggcggta cttctccggg ggcagctcac tcccctatca tggggggccg caccaaattt 480
tccccattct ggcctggggtt acgaatcccc tcctaa 516

```

<210> 4853

<211> 603

<212> DNA

<213> A.fumigatus

<400> 4853

```

gttggacca catggaggcg taatttggca acccgtggg aaacggcttt ttccggtggat 60
agatcactcg ctgcaaacaa ttcagaagac tgttggactg ggtgttccat tggatgctgg 120
gtaagtggag gttcagacat actattgaca gggcggaatg accgacgc atggatcctt 180
gaaacagccc gaagcgctct tacgggctgt ttttcttcgg ctaacctagc cagaggcttg 240
ttacagactg gcacagaagt catcttgtat cgtggccatg atttacctga tcttatgtca 300
atctcgggca aggactcact gtggcaccat gcacagtatc ctccagcgta cctccattcc 360
cagtggcgga tccgctcgag tgttgtctca caagacggac gatacatagc cattgcagg 420
agacggggac tggcgcatga cagcgtcaat agtggtcgct ggaaagtctt tgaagatccg 480
aagacagaaa attcattcgc cgttcgcggc ggcattgtgt ggtatgggca cattttgatt 540
gccgccgtcg aaagcgatgg ctccctacgag gtctgcctt tgagtaccac taaactgttt 600
taa 603

```

<210> 4854

<211> 195

<212> DNA

<213> A.fumigatus

<400> 4854

```

aattcgctat acgggtatga tcttcccttt ttacacctac acatgccatc catgttgcca 60
tatgtactga tgttgagaag acccatttat tctaccata tgtcctacaa catgatcttg 120
tccgtggaga cctcgcgga gcgctcacac tatgccaacg tttctccac ctctcatatt 180

```

tccctcatgc cttag

195

<210> 4855

<211> 690

<212> DNA

<213> A.fumigatus

<400> 4855

tcttcccttt	ttcaccttac	acatgccatc	catgttgcca	tatgtactga	tgttgagaag	60
acccatttat	tcttaccata	tgctctacaa	catgatcttg	tccgtggaga	cctcgcgga	120
gcgctcacac	tatgccaacg	tttctccac	ctctcatatt	tccctcatgc	cttagaaatg	180
cttttgcacc	acgtcctgga	tgacgatgtt	gataacgaga	ggaaagagag	caagacagat	240
gatccctcac	gaagacacga	gccactattg	ccatccgtca	tttcattcct	tcaagcatca	300
ctgccgatca	aagtattttt	ggacatcggt	gtccagtgca	caaggaagac	cgagcttcgc	360
tcatggcgca	ccctgttcaa	ccacctgccc	cctccaaagg	atcttttcga	acaggccctg	420
aggctcaact	cccttaagac	ggcagtgggg	tatctgctcg	tcttacaagc	catggaggac	480
gaaggcgagg	gtggtcacga	ggctccaatt	gaagactatg	ttgtccgcct	cattggtctt	540
gcatcacaaa	atagtgattg	ggagctctgt	ggtgaactgg	cacggttcct	aattgctctt	600
gatgcatctg	gggatatgct	tcgacgcgct	atctcgcggg	tcgggctgag	agtcttcacc	660
acggggctgg	aaggagccgc	gccatcattg				690

<210> 4856

<211> 231

<212> DNA

<213> A.fumigatus

<400> 4856

tatatactag	tttataactt	cctcctatct	attagtttta	aatatatata	tactaattat	60
tctgttttta	ttaaacatag	tattactata	ctactctata	taaataatat	tcttatattt	120
ttaaatttaa	ataatcttat	taataacttc	cttaagcagc	taggaaaatt	atttaaatat	180
attaataata	gcaaggtttc	tgtctaccta	gggattgata	tactatatta	a	231

<210> 4857

<211> 189

<212> DNA

<213> A.fumigatus

<400> 4857

cttatactag	aaacctatct	agatattact	tttactatat	ctaagcttac	ttactttact	60
aggaatccta	gccctaatta	ctttattata	gtaaagtata	tattttacta	tctagcagag	120
atgcttttac	tcttattatt	ttatccttct	atacttagta	atcttaatag	ttttattaat	180
actaattag						189

<210> 4858

<211> 951

<212> DNA

<213> A.fumigatus

<400> 4858

ccgttagatt	ttcctctttg	gcacatgggt	atctctgggt	atgaggccac	tattatcgcc	60
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cgacttttcc	actttctgtc	actttctgga	ctgctcgctt	acaaggtaga	gaatcctacc	180
aacagactct	tcgtcactac	tttcagtgtt	gcctgcaatg	ctcttacatg	gtccggtatt	240
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actatgcatg	oggagaacgg	tggatggaac	aaaatgggtc	tacttcttgg	tattttggct	420

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cgttttatgt	catggccggg	tgcccccgct	ccgggctttt	tgggttgctc	ggccatttct	840
tcccgcacca	acgttccggg	ctcggaggcc	ctggctaccg	cttcttgga	ccctttccaa	900
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<210> 4859

<211> 579

<212> DNA

<213> A.fumigatus

<400> 4859

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atcggtttgt	tcttggaatc	tctgagtgtt	ccaaacatgt	tggccatcat	tgtcatcctg	120
acaacgctca	ttgaagccct	gaacttcggg	gcaagcagct	tgggcgggtt	acaccacggt	180
gacgttggtc	gtcctgtgc	gcccggtgta	ctattcagcc	atgtcgtaag	tgttctctctg	240
tctcctgttc	attttcgtgg	gctgacttcg	gctagggact	acgccaccaa	ggtgttcggc	300
tttgcaacat	ttgggcgcgt	gtatgggact	attattttgc	tatccggctt	ggtgaacttc	360
agtcagtacg	cgctggacgc	attgacacac	ggacccttcg	acggcaaccc	aatccctgtc	420
aatatcttcc	tggcagctgc	tgggttcgtg	gtaggtacgg	tactcgtctt	gtatgtgcag	480
attgctggta	agcacttgaa	agagaagaga	ttggccttgg	agagggatga	agagcaagag	540
cgagaacgat	tgattccgat	tcaagaggag	gacgcttga			579

<210> 4860

<211> 1161

<212> DNA

<213> A.fumigatus

<400> 4860

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gaccatatct	ggagactctc	taaggatgtg	ttgatctgcg	aagcggaccc	tccaccggac	120
gaggacgagc	ctttttcgaa	agagagctcc	aagccactcc	ggaggcatgg	tgggtgcggg	180
aacgcccagc	ccacgattcg	taaagagggg	atcactttgg	ttggaacatg	gaagcccaac	240
aagagcatga	tggatgagga	tgagatgcag	cagccagaaa	agaaagtcac	tactcctcag	300
atggccttga	atgtcttcgg	caacatttcc	catgaagatg	ttcggataat	gggcttaagt	360
aatgactacg	ctcgtcctga	atggatgatc	atcactgttc	tgcctgtccc	ccctcctcct	420
gtccgtccta	gtgttctcgt	cgggtggtagc	accagcggcc	agcgcgggtg	ggatgatctg	480
acttacaagt	tggctgagat	tatccgagcg	aatcagaatg	tccagcgatg	cgaacaggaa	540
ggcgctcctg	aacacgtcgt	acgcgagttt	gagtcgcttt	tgcagtacca	cgttgccacc	600
tacatggaca	atgatatcgc	tggtcagccg	aaggctatgc	agaaatcgaa	ccgaccgggtc	660
aaggctatcc	gaagccggtt	gaagggttaag	gagggtcgtc	ttagacagaa	cttgatgggc	720
aagcgtgtcg	atttctccgc	tcgactgtgc	attactggcg	atccgaacct	gtctctagac	780
gaggtcgggtg	ttccaaggag	tatcgctcgg	actctgacct	accccggaagt	tgttactccg	840
tacaacatcg	agaagctgca	gcagcttggt	gccaatggcc	caaacgaaca	tcctggagct	900
aggtatatcg	tgccgggacaa	cggggagcgt	attgacttac	gccatgcccg	aagagctgga	960
ggccaacaac	tgctgtatgg	ctggaaagtc	gagcggcatc	ttatggatgg	cgatatcatt	1020
ctgttcaatc	gtcaaccttc	cctgcacaag	gagtcctatga	tgggtcatcg	tgtccgtgtt	1080
atgocgtatt	cgactttccg	actgaacctg	tctgtcacca	ccgtcttcac	cacgggggctg	1140
gacggatccg	agcttacgta	a				1161

<210> 4861

<211> 378

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (199)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4861
 tcgacgcgga tcttccagcc ctttggcgaa tatctcggca ctcaattcac cgggtgtcaac 60
 gtgatcggct actatcaaac aattatgtat gaatcgctcg gtatcacagg gaacagagcc 120
 acgctagtgt cgggtattta caactgcggt ggtcctctcg cgaacttaat cttcatcacc 180
 ttcattctgg acaggggtang acgacgcagg cccatgatgt ttggtgccat cgggaatttcc 240
 attgccttga tctgtgaagc agcattgaac tcgcagaatg aggatggtag ccgccatggc 300
 tacagtatcg gtgggggtgt attcctcttc tgcgtgacca tcatcttttc cctgtccttt 360
 ggcccttgca gttggtaa 378

<210> 4862
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 4862
 ttgcaatcaa ggggtctatat gtctgaggtc atgcccattgc agattcgtgg taaaggcaac 60
 gcctttgcga caggatcgg taactgggccc gtggctactc tctgggcca agtctctcct 120
 attgctctgg gcaagcttgg atggaagtcc tactttgtct ttgtagcatg gagtaagttt 180
 gcgccccaaa gaaggtgtga tcgtcgtgaa acaggctaa 219

<210> 4863
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 4863
 catggagtaa gtttgcgccc caaagaaggt gtgatcgtcg tgaaacaggc taatgtgtct 60
 tgtctagaca tctgcattac cctgcgggtc atctatttct gcttcaagga aaccaagcag 120
 aagtccctgg aagagattga tttgctcttt ggtggctcgc ccctgggcac tctgcccag 180
 aatatggccg ataaggcgca ggaaaccggt atctctgtga caaacgtgga gcacagtgtt 240
 tga 243

<210> 4864
 <211> 885
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (813)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4864
 tatgagtgtc ctttccagcc cgtggtgaa gaccctgcag tggagtcata cgtgacaacc 60
 aaagacggag tatcactccc ttaccggtc gagggcagca cggacccac cgcccgggtc 120
 attggcctga gcaactccat cctggtcgac tggagcatct gggacggttt tgtggatgcc 180
 ttactatoca acccccaaaa ccaaaactac cggatcctac gctacctcac acgcgccgcg 240
 cgccgcgact gcggtgagac acccatcacc gtcgacgtcc tggcctcgga catcatcgcg 300

ctgctggacg	cgctccgcat	cccgcaggcg	acgctcatcg	gggtcagcct	cgggggcgta	360
acgggtgctga	acacgggact	gctgtacccc	gcgctgtgta	cgcggttcat	cgcttgcgac	420
accaacagct	ccgcgccgga	atcgaaccgc	caggcatgga	cggaccggca	cgcaatggcc	480
gccagcgaag	ggggccgtgtc	gcctgacacg	caggaaccca	tcattggcga	gaagctggcg	540
gaggcgacca	cgcgggcggtg	gttcgtgccc	gcaacgtacg	agacgcagcc	ggaggtcgcg	600
gcgcgggtca	aggaggtggt	gcgcgccaac	agcctcgagg	gattccacaa	gggcatgcag	660
gcgctgtgtg	cgtacgatgt	gcgggagcgg	atggcggatg	cgcgctgccc	gggcctgttt	720
gtggcgggcg	aaggcgacgg	attgctaccg	caaacaatgc	agaagatggc	gagtgcacctc	780
aacggggggcg	cggagctgaa	gatcatcccc	cangcgggtc	atctgccgat	ggtggagcag	840
ccacaggcctt	ttacggaggt	ggtcaatagt	ttcttgcata	cgtag		885

<210> 4865

<211> 540

<212> DNA

<213> A.fumigatus

<400> 4865

tcacaatgtc	ttaaattcaa	gggaatactg	cagccataca	gcgacacacc	aattatgaga	60
gatcgtctga	ttataactgc	catgtccact	atggcctttg	catcagctca	agcatgcgac	120
atcgtccctg	cagtcacaca	tacattctat	ggattccccg	acaatgatcc	cccgggtcct	180
gcaatcgctt	atgattgtgg	tctgtggcctc	acagccgggg	gtatcggcac	gttcgacgat	240
cctctgacct	tgcgctcggc	ccctggcgag	ttcacgcagt	gcgaagtcac	cttctccccg	300
tatctgcaca	agtacattcg	gtttgaggat	ctttgtctcc	aatgtgtaga	ggagtggacc	360
agttctggaa	tacgccacat	cgatatctgg	acgggcagta	acaccaccga	cggcggccag	420
gaccagatca	actgcgaaat	gaggctgacc	ccggcgggcg	acttgtccgt	cgtgcgtaat	480
cccagcatgg	acctggatgt	tgatggatatg	ttgccactgc	acttacattt	gccatcttga	540

<210> 4866

<211> 417

<212> DNA

<213> A.fumigatus

<400> 4866

tctgttcaca	tggcgtccac	cgactctgtt	ccaggcagat	ttaatgggtct	gcacagaaga	60
gtcctcggcg	aactgggtct	tctgacacta	tggcattcat	cgttggacgt	caaggttctc	120
tgtgcacagc	gcttcacccg	actcttcgcc	tatggaggct	caactctgat	attagcttca	180
tacctgtctg	ccttgggtat	ctcagatgac	cgatttggct	tatttatgac	cttgactctg	240
gtcggcgatg	tgcgaatcag	ctttttcctt	actctcttcg	cagacggaat	aggccgcaga	300
gcagtccttg	ctttgggttc	tgcgctcatg	gcctgcagtg	gtgtcgtctt	tggctctattt	360
gataattact	ggattctctt	gaccgctgca	gtgctcggtg	tcatacgtcc	tagctga	417

<210> 4867

<211> 1383

<212> DNA

<213> A.fumigatus

<400> 4867

cagcgcggtg	ccttccagcc	ccgtgggtgaa	gactatcttg	ttacctgctc	taaggataaa	60
ctcatcaaga	tctggaatcg	acaagaactt	acaccactag	acaaagatta	tcccagcggt	120
cataaaggag	taggagttac	gtatccgtct	tatattattg	acaccagcga	aatcccatct	180
cccggttttag	aagcagagct	tgctaaaaac	cacatcagaa	gcttgaggcc	ttactctctt	240
ttgatgacgt	tggatggaca	cggggcagcg	gttaatgcga	tacagatgaa	cgacgatgag	300
atcgtttctg	cgtcggggga	tcgtctcatc	aagatttggg	atatccacag	cggtgcatgc	360
aagaagactt	tgcgggggca	cgaaaaaggc	attgcgtgtg	tgcaattcga	caatcgacgt	420
attatcagcg	gaagcaatga	cgatacggtc	cgaatttttg	accatgcctc	tgggtgcagag	480
gtcgcttggt	tacatggaca	tgctaacttg	gtaaggaccg	tccaggctgg	cttcgggtgat	540

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ccaccgggag cccaggaagc catgagactt gaggtctctg caatcgagaa tgaattctgg 600
gacgctcaac gctctggtga aggggtggac ttgggtcata gtgccatcag acgcgcgggc 660
tatcatcaaa acactgcggg ctgcgaaac cctcgggata tcaaggccct gggcgccaaa 720
atacctccag gccgaggtgg cagtcaatgg ggtcggatcg tctcggggtc atacgacgaa 780
tcaatgataa tctggaaaaa agacaaagag ggccgatggg tcataagcca gcgattacgg 840
caggcagacg ccgtcgtcaa cgcttcacag gcgcagccgt cctcttcgcg gacaatgggt 900
cctccccgc gagttccgca gaatcagggt cgggctttgc ctcaggggca agctgctgtg 960
cctccccctg gacaagcacc ttccacacag catctctctc ccatcaacca aatccctcat 1020
caggctccta tcattcatcc ggcgcctggt caacaaaatg ctctctggaa ttccctggaac 1080
acggccaacg ccaacgctca agtagggcat gctgcgaatc cggcactgtt gatccaggcc 1140
cagcatcata tgcagaacgc gcagcccatg ccaaaccctt taccgccgca ccaccaccac 1200
catgtccgca tgaaccgagc tctgaaccgg caaggtggcc acccaacgtc gaggatcttc 1260
aaactgcagt tcgacgctcg caagatcatc tgcgccagcc aggatcccag gatcgtggga 1320
tgggactttg ttggcgatga cgaagaactc aatgaagcgt gccaatctt taccggtcta 1380
taa 1383

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<210> 4868

<211> 750

<212> DNA

<213> *A.fumigatus*

<400> 4868

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gcaccttcag cagcccagac aatccgcaag gaaataatgg agaccgccat tcgctgggtcc 60
cgttcctcca acacagcgga gcagcgttt ctcttgggtg acgtgacagg gaaaaccttc 120
cgagtctgca gagtcaactg attcgacggc aagaatctgg aacatgaagt actgttgacg 180
cacaccaagg tgcccgcctt tcgcgccttc gattggtctc ctgtggatga gtccctagtt 240
gctgtcggcc aatcctctgg tgacgcgact gtcttgctgt tgagcagcga gaatgctggag 300
tctatttcat tccccattcg ccatcagcgg tattgtaatg ctgtctcggt cagcagacat 360
ggcctgctgg ctgctgggct ggaccgagtt cgcaatgact tttgtttgaa tatttgggat 420
gtcaatcagc gtatgatcaa caaaagtgcc aagggatatg tcgagcctct cagaaaattg 480
gctagctcgg agccgatcac gagtgtcaaa ttcttttagag accaaccgga tgtgctggtc 540
accgggggtga agggccagta tgtgagaata tatgatcttc gaggtaagtg ttgccactct 600
ttgcagaggt gttgtgcaact gtcgtcttcc ttcttctggc tggagtgcgc gactaattcc 660
ctacagaagg ccctggccat ccatctctac aatttcccac gcgatgcgct cacaatcttg 720
cgatcgactc gcttgatgag aactatatag 750

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<210> 4869

<211> 201

<212> DNA

<213> *A.fumigatus*

<400> 4869

```

accttogacc ccctcgtggt gaagacagcc gcacagcgga tcgttgggtga ctgcagcttt 60
tgcaatggac actactgctc gaaacacaga atgctggagg ctcaactcctg tacgggggta 120
gaggactgca aaaaggagtc tcacgcccgga aatgccgaca agctcaacag cgagcgtacc 180
caagtcatca agggcgtata a 201

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<210> 4870

<211> 378

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (258), (259)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4870

cccccaaagg	gggttcccaa	tcccggatta	aaaagctttg	ttgcaaaaaa	gccctttaat	60
ttgtgcttta	aaggggccaa	aagggctgtc	cttggtttta	gttttagcag	ggcagaaccc	120
ccctattttg	agcaaaccga	aaagccatta	attgggggat	gtctggcggg	gggttccac	180
cccttcattt	cgaaggttct	taaacagggt	catctttggc	cgccagtttg	cctcccccg	240
gccagaagg	gccaaagnnc	caaggagtcc	cttttccaga	agctgtcttg	ggcctcaatt	300
cttaagttga	aacaggacaa	aatttctttg	gaaacctttc	gttaccattt	gctccatcaa	360
tatcccttca	aaaagtag					378

<210> 4871

<211> 1509

<212> DNA

<213> A.fumigatus

<400> 4871

cgcggatcgc	cgctctctgt	ggtgaagatc	agcgacgcac	tttaccctgt	taatgatgca	60
tttttgga	atgtcgcagc	cgaggtgggc	tacaatgtcc	gtcgagtaaa	ccaccaccca	120
tccctagctc	tgtgggcccg	cggtaatgag	atcgagagct	tgatgcttcc	aatggccagg	180
agagcggatc	ccacgggata	ttccaagtac	attggggagt	acgaaaagtt	atacatcagc	240
ctgatcttgc	ccctcgtgta	cgagaacaca	cggtcgatca	catacagccc	cagcagcaca	300
actgaagggg	acttgtatgt	caatctctct	gcgcctgtgc	cgatggcaga	aaggtactcg	360
aatactaccc	cgggctcata	ctatggcgac	acggactatt	acaactacga	cacgagcgtc	420
tccttcgact	ataatcacta	tcccgctggc	cgggtttgca	atgaattcgg	tttccacagt	480
atgcctagt	tgcagacctg	gcagcaagct	gttgaccccg	aagactttca	attcaacagc	540
agcgtgggtg	tgtccgcaa	tcatcactac	actgcaggag	gcttggtcac	tgacaacttc	600
aagaattcgt	ccaaaggaat	gggtgaaatg	acgatgggag	tggaagcata	ctatccaata	660
cccagcaa	ccgactctgt	tgccaacttc	agcgctggg	gccacgcaac	gcaactcttc	720
caagccgatc	tgtacaagtc	ccagattcag	ttctaccgcc	gaggcagcgg	aatgccagag	780
cgtcagctag	ggtcgtgtga	ctggcagtta	gaggacatct	ggcaagcccc	gacttgggag	840
ggaatcgagt	acgatggccg	gtggaagggt	cttcaactat	tgggccagaga	catctacca	900
cctataattg	tgtcgccttt	ttggaactac	actaccgggc	gcttggaagt	gtatgtgaca	960
tccgacttgt	gggagccccg	gcagggcacg	gtgaacctga	cctgggttga	tctctcaggc	1020
aagtctattg	ctaacaatgc	cggcaccccc	gaaactgtca	gcttcaactg	tggtgccctc	1080
aacacgacca	acattttac	taccaatata	tctgagcttt	cgctgcctga	tttgaaagac	1140
tccattctca	tcctttctct	ttctggggag	ggacgtcttc	cgaacgccag	tagtaaaaag	1200
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ccaaagctcg	aagtctcgta	cagcccgga	agtaggaaat	ttacgggtcca	ggctaccgga	1320
ggggtttccc	tttacacttg	gctcgactac	ccggcagggtg	cagtaggata	ctttgaggcg	1380
aatgcgtttg	tactgcttcc	gggggttcca	aaggaggttt	cctttgtagc	ccaggaaggg	1440
aatgtcacag	atgactggct	gcagagggtg	acagtgcaga	gtctctggga	tcagaagggtg	1500
agggactag						1509

<210> 4872

<211> 192

<212> DNA

<213> A.fumigatus

<400> 4872

ggggggaagc	ccaaatttaa	ggcatatttt	gcgaaaagca	accgcacagc	tttccagcag	60
atatctgaat	ggatggcagc	tgggaaagtc	aggactgtta	ttgactctgt	gtttgagttt	120
gacgacatgc	ctagggcgat	tgagcggatc	aagtctggga	aaacatgtgg	gaaaataata	180
gttcacgtat	ag					192

<210> 4873

<211> 315

<212> DNA

<213> A.fumigatus

<400> 4873

ggacccattc	cccagatggg	tcggtttgga	tccaacgatt	ttgtcaaacg	agtaccctca	60
atgcgacaag	tcggtgggccc	catgatttac	accactgcg	aactgggtgg	aatcgctgcc	120
acgggcaatg	gtaggggctt	cggcgacaag	tttccctgg	tgctggcggc	gtatagcagc	180
tctcctccca	agacgattcc	aggggactgg	aagacatgga	cgatctggca	gaattcggac	240
aagtataagc	atggaggaga	ctcggacaaa	ttcaatggcc	cgatgaccca	gttgaggaag	300
ttagccagtg	gttaa					315

<210> 4874

<211> 207

<212> DNA

<213> A.fumigatus

<400> 4874

cggggacctc	tacgcgttac	cggcgctcgg	cgtgaagaca	cagtgtctga	tattgcattc	60
tttgatctgc	tgcaggacct	cggggccatac	gttcgcatgg	cattctttgt	aggcctcgac	120
ggcggagggc	ttcagatgga	cgatctgcgc	gatgcggcgg	actggtgcca	tttttcgacg	180
ggttatgggc	tggttaggtt	gagatga				207

<210> 4875

<211> 324

<212> DNA

<213> A.fumigatus

<400> 4875

cgtcctgctg	gtggattcat	tgcagacatg	ctgtacaagt	acacaggggc	cgtatggctg	60
aagaaagtcc	ttctgtcttt	cctcgggtgt	gtcatgggtg	ctttccaact	ggccattggc	120
ctcgccgacc	ctcgatctga	agcaaccatg	ttcgggtctca	ctgccggact	ggcatttttc	180
ctggaagcat	gcaatggcac	caactttgcc	gtcgtacctc	atgttcatcc	tttcgcgaat	240
ggtaagatcc	ctgctttctg	tccgttccct	gcagcccccac	ttgctaacga	tctgtctctg	300
caggtgccgt	ctccggtgcc	gtag				324

<210> 4876

<211> 201

<212> DNA

<213> A.fumigatus

<400> 4876

cgatctgtct	ctgcagggtgc	cgtctccggt	gccgtaggcg	gcatgggaaa	ccttggcgga	60
atcatcttcg	ccatcatctt	ccgatacaat	gagactcact	acagccggtc	cctctggatc	120
atcggcgtga	tctccatcgc	cgccaacctg	gctgtttcgt	ggattcggcc	agtaccgaaa	180
tcccagatga	tgcggcaatg	a				201

<210> 4877

<211> 273

<212> DNA

<213> A.fumigatus

<400> 4877

cccaagcaat	tgcactcaaa	gaccaacata	agcgatagtg	tcagcagaac	aaaaagcggg	60
gagtcctcac	agttcccagg	cactgtttacc	aagctgagta	ccagcctggc	caatatggat	120
atggcacaacc	tagaatacca	cgacaagata	cgtcagaact	ccatgtatat	gaagaagctc	180
gtgatcgaca	ttctggacgt	tgacagggga	caggccatcc	cagggttcggg	gcgaacgtgc	240

gggggagaag ggtgcataacc tcgcctcgca tga

273

<210> 4878

<211> 219

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (131)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4878

agaagaagac	agtctgaaag	gcggtcggta	gatagttcag	gaaggtgcgc	tgatggtttg	60
tgcttaccgc	ttgcgggtgg	accgtcaaca	atcaacaaca	ccaccagtgg	ccaatcagcg	120
cttgcccttcg	ntactagctg	gtttacgcac	ggttcctacc	aggcccacag	cttggtttgt	180
ttattgggtt	acaaatgcct	gagcatacgc	accccatag			219

<210> 4879

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4879

acttgcttgt	catacaggta	cctcctagag	catgggtctca	aggctgatgg	tcgtctcgat	60
ccggagggtgc	ctgaatcaca	caacaacgga	ggctcctttg	aaaccttctt	caccgagacg	120
aacagcggca	aatacgtacc	tcgtctccatc	ttcgttgacc	ttgatccatc	ggtgcgccac	180
aactcggatc	tgagtccagg	atcgaatgga	agatga			216

<210> 4880

<211> 342

<212> DNA

<213> A.fumigatus

<400> 4880

actgttccct	atgcagaccc	tcgtcctccc	tatcacgcga	aacaggcttt	cgactttggc	60
gacggagggtg	gtggtaacat	ggctaacaac	ctttctattg	gctgtgactg	cctgggggtc	120
atcaaatact	ttgatgccat	cgttacagga	cccagcggta	gtgcgaagaa	gttgccaat	180
gccatctgcc	tgacgaaca	ggacaatggc	atcggttggg	agcactccaa	ctggcggaca	240
ggcgtgctg	tggtcaccgc	caaccgcgaa	ctagtcgtgc	aattcatcat	tacgtggca	300
aactacgagt	acatattcgc	ctacaagtcc	gatcagtcgt	gc		342

<210> 4881

<211> 450

<212> DNA

<213> A.fumigatus

<400> 4881

tggtttcaac	ttcgctgctg	cattctcaat	gcttcattct	tcaatcaatg	tgcttatcat	60
cattcaacac	ctcccacat	ggctcctcac	cctctagcaa	tcctctccga	agaggagact	120
aaccttgccg	gcgacgtcgt	cattgcagag	catcccaaca	cggtcattag	tttcogtgag	180
atctacctgt	tggaacctcc	caaggaccag	ctgcgcgaat	tcttagctct	tgagcacgct	240
ggtcgcctca	gcccacccac	gcctcgacct	cctcgactcg	ctacttgcca	atacgatgtg	300
attggagccg	accacatccc	ctccttccat	gaatccgttg	tcgacgtggg	cgcgcgcaag	360
cgtgtcaagc	accacattgt	cggaaagcag	catcatgctc	cgcttactat	gtgcgttgaa	420
aaacatgtct	cacaaaggca	tacgtgctaa				450

<210> 4882
 <211> 633
 <212> DNA
 <213> A.fumigatus

<400> 4882
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 ttcaagaaag ccctggaaga ttttgacctg cctccaggat ttgaggtcac aatcgagcca 120
 tggccctatg gtggcttgga caacactgaa gagaatcggc ggtacttcca ggggtctttgt 180
 tttgctaccg acaagagcaa gaataacccg gatgcgaact tctactccta cccctgcca 240
 ttgatccctg tcatggacgc tcttaccxaa aagatcattc gagtggatcg tccggcgact 300
 ggcggcaagg gagatggttt gaccgagcaa accttcaagc gcgacattat cggacattgc 360
 aaggcctccg actacgtccc agagcttctg ccagacggca ctcggcggga tctgaagccc 420
 ctgaatgtcg tacaacctga gggcccttct tttcgcatca caaacgagtc cttggtcgag 480
 tggcagaagt ggagtttccg tgttggtttt aatcctcgcg aggggtgcgac tatacacgat 540
 gtctggtagc atgggtcgtag cgtgatgcac cgactgtcta tcagcgagat ggtagagtta 600
 ttcccagagg aatcacttgg acaatttgat tga 633

<210> 4883
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 4883
 ataatgcgac tttcacacgt actcctagga actgcagctg cagctggcgt tctggctagt 60
 cccaccccga acgactatgt cgtgcatgaa cgtcgtgctg tcttccctcg ctctggacg 120
 gaggagaaga gacttgataa ggctctatc ttgcctatga ggattggctc cactcagtc 180
 aacctagatc gcggtcatga cttgttgatg gagatgtatg tgacttgtct gaacctgggt 240
 gtattcgtcg ttgatgagag gtag 264

<210> 4884
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 4884
 ctgcatgcat ctttaatcac agccgtgcct gttgtctcaa agaataaaag gacgggctat 60
 gataagcttc agctagcctc ctatggtcta tcagaacaca aagataaaaa ggtgcctaga 120
 acttccattt ctagtatagt agaagtgata gtgcatatct cctccatccc ccgctgtgg 180
 acaacgccat ga 192

<210> 4885
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 4885
 ggatctaggg gatgtttaca gtcaagagga tctcaacctg ttcttttcaa catttgcaca 60
 gtatgtcagc tctgtgtgtg tctgtctatg actaaccgtt ccaggcaaata tccccagggc 120
 actcatccca tctgaaggc cgtcgacggc gctcaagccc caaccagcgt gaccaatgca 180
 gggcccgaaat ccgacctgga ctttcaaata tcgtatccga tcatctggcc gcagaactcc 240
 attctctttc aaacagatga tccgtcttac accgacgggg ctagcaggat acgcggtgaa 300

<210> 4886
 <211> 270

<212> DNA

<213> A.fumigatus

<400> 4886

gtgggctgtg	ttagttttta	cggcttcccg	agccactatt	acaaggagaa	gttccccaac	60
gtcgggagca	aggaaattgc	gaacaagggtg	cttagtgctg	tgaaggaggc	gggcatcaaa	120
gcggagggag	tcaaaagagg	tttagatcat	ggggtctggg	ccagctttaa	atgcggtaag	180
tgcaagtgcc	tcaacatgtc	cgttgcacca	atagggtggg	aaatagtaat	gattgggatg	240
cagcatttga	cccagactcc	aacccttga				270

<210> 4887

<211> 525

<212> DNA

<213> A.fumigatus

<400> 4887

gtgcaagtgc	ctcaacatgt	ccgttgcacc	aatagggtggg	caaatagtaa	tgattgggat	60
gcagcatttg	acccagactc	caacccttg	aacgttccga	tagtgcagg	gtcattgttc	120
aacaccgagg	atcctgcccc	gcactaccga	ctcggacaag	cggtgtccaa	gctgcgcgat	180
gataatatcc	tgatcattgt	atcgggtatg	gcagtccaca	acctgcgtga	tctgcagttc	240
acttggggga	accccaagcc	aatgccgtac	actacaagct	ttgacgaggc	tctgaaggac	300
gctgtcacga	agccgcctgc	ggaaagagag	caggctatga	gtgacctcct	caaacgaccc	360
gatgcccgtc	aagcacatcc	ttcctttgat	catctgctgc	caattcatat	tgagagctgg	420
gctgcggggg	atgatcttgg	aaaaagactc	tggacgctga	aggaggggag	catgagctgg	480
gcgcagtata	gatttgggtga	tgtaggcaat	aatagcgcgc	tgtag		525

<210> 4888

<211> 183

<212> DNA

<213> A.fumigatus

<400> 4888

ctctatgact	tcgcgaatca	cagggtcttcc	ttgcagcgcg	ggtacccgac	tatgaagaag	60
cacaaccccc	agactcccat	tctgatccgg	gaggcagcag	gcactttgca	tagagtatat	120
gctcgatacg	gtacgacaga	tagtcacaat	cgaacaagtc	aatggaagag	caatgggtgc	180
taa						183

<210> 4889

<211> 432

<212> DNA

<213> A.fumigatus

<400> 4889

cttgtgcgaa	cagggtggcgg	gtccaaaacc	tgactatca	tgtatgacac	tcgtctcctc	60
aaggaggaca	gcgacgattc	cacttcgacc	tcgctgacgg	tcaacccgac	ccttgtggcc	120
accatcacga	aggacagcgc	caatcccaca	gccaccatcc	cagctgaaat	cctgacagca	180
ccctcggccca	ccttcacgaa	gcaccctggc	gtcgcgcagg	acatgccctc	cgtcaatgtg	240
tcctcgtctg	ctgctgctgc	tgcgtcaaa	tcggcaggca	cttcttctgc	ctctgcatcg	300
gcctcatcca	gcacgccgtc	agcgtcaccc	tccggtagcg	ctgggtcggg	tgcaagtttg	360
agtcgctcgg	tggggggccgc	tgggccaatt	ataggggcgg	ttttcattcc	attgggttatg	420
tcttggttct	aa					432

<210> 4890

<211> 1884

<212> DNA

<213> A.fumigatus

<400> 4890

aacagaaatg	gtccaagaat	gctgaccgcg	aaccggcatg	cctggcttca	gaccactggg	60
aagatccatt	acgaaccgga	ctctgtat	tccttgctgg	cgcagcgctc	aggcagcgag	120
cctttggata	aggatgcatt	cctcgcgccg	ctacttaatg	tgaagattt	agcgcaagga	180
gacgtccttc	cacat	aaaaacg	tcaactatac	atccgaagag	ctttttacac	240
gtggattctc	gatttgtttg	gcttggatac	tgggtccggag	ctctcgcgcg	aatcaaaatc	300
gaggggagaa	tatcatttta	tttcggccca	ggagaagaaa	atcccaaata	cgggatacaa	360
tttgaaccag	ataccctcaa	gcagcgcccg	ggactactaa	atccaaccat	cggcttatat	420
caactcaggg	cgcagaaaag	cgtatacaaa	ttccttg	cttgtgcttc	taggggttcg	480
cagcctctaa	tgctcggcga	tcatccaagc	gacagcactg	atgggtggcac	ctcactttcg	540
cttctgagca	gggtctgcacg	tatggactat	aggagaccgg	actgcataga	ttgggtcatac	600
ttacaaagcg	tattagaagc	atccgctgat	gaagcactgg	acgatttatg	gcggcttcgc	660
actgatgcgg	aattctggct	tctgcgcgatg	atggagatgc	ggaaaaatac	atcgaccttg	720
ttggattgtg	ccttcaaccg	gatcgataca	tttgtctgct	taagcgaacg	aatcaaggaa	780
attcggtga	acagtggcg	gattgagcgg	tccattccct	gcgataacat	cgacctgaag	840
aacgtgatat	ctctggaccg	tgtcttcgcg	tccattctta	acagggccct	tgaatcgggtg	900
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gcgcaagccc	tcaatgatata	gtcagtcgtg	gctgtttgca	tgcaggagac	ttccaatcat	1140
taccagtaca	tacgcagcct	ccccaccgag	tatgcctcag	ttgcaaata	tgcagaaact	1200
gagtggaaacg	aacgtgagcg	cccatggata	ttgcttgggtg	agagtacact	acaaaatctg	1260
ggccgcaaag	tgaacaaact	caacatctcc	atttctgatg	aagcaaaatc	gttggaggaa	1320
cggcaccgca	acttttggaa	cactattgat	aagtgcgatgc	gtaataatgt	gacgcccagt	1380
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gatgcttctt	ctattgcatg	gagcacacaa	cggactgact	tagaagtgac	tgaaccag	1500
aagaaaagg	caagaggacg	taaagttcaa	tctcatacat	caagatccct	gcgcagagcc	1560
gtcacggcat	caaccgtagt	tgagccgccc	agcttacc	tggttcgtat	ccaaaaagaa	1620
gaggataaag	atttctggaa	ccgtctttta	aatgataaag	gccagacaac	attccgcagc	1680
tggaaatcct	ttctactgag	tataggattc	tctttgacgc	ctcaactggg	gtctggccgt	1740
cgcttcgaat	ggaagaccca	tgagggaaga	tgtcatgcaa	ttgtctttca	cgagccgcac	1800
gggcataacg	gagtcgatct	ccccctttat	cgggggcgcg	aattgtgggc	tcgtcttcac	1860
cacggggctg	gaagggccgc	gcac				1884

<210> 4891

<211> 285

<212> DNA

<213> A.fumigatus

<400> 4891

ggcctgtata	gccacgagac	at	ttt	gtgta	tggcacaccg	ttatccggca	gctctggggg	60
gaaggaaggt	atagagatat	ggcaggtctc	tgtcaaagac	tgtgctggcg	tcttgcgcta			120
ctcggagatg	aatacgatta	tagtcagcaa	ctacaactga	acttcgatgc	ttcgctgacc			180
ttttatttgc	tcggacaggc	acaggtggcg	cagggaaacc	tgcgtgatgc	taggacagcc			240
tttgaggggt	cagtcatggt	gcgaaagtcg	gcttgc		agtga			285

<210> 4892

<211> 1149

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4892

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tttgagatcg	gtcccgtgta	taacacaaac	ccgcgggacc	ggaaaacact	acgaggcggt	120
cagatgaaac	caatctccaa	agagctagta	ttcgatatcg	atgtgacaga	ttatgacgac	180
attcgggtctt	gctgcaccaa	agcaaataatt	tgtcgaaaat	gctggacttt	cgtgactatg	240
gcgatgaaag	tgggtggatac	tgcgttgctg	gaagactttg	gcttcgagca	catccttttg	300
gtgtactcag	gtcgtcgtgg	tgctcacgca	tgggtgtgcg	atgcccggtc	tcgttgtctc	360
cccgatgacc	ggcgcagggc	cattgccggc	tatctcgacg	ttgtgagagg	aggatcccaa	420
agcgggaagc	gcgtgaatat	aaagcggccg	ttacatccgc	atatgtcccg	tagtcttgaa	480
attctcaaac	ccttcttcgc	ccaaactaca	cttatcgacc	aggatacatt	cgcaagctca	540
gaacaagcag	agcgctcct	ctcattgctg	ccggacaaga	caactgaatga	tgcactgcgc	600
aagaaatggg	attogtcgcc	tggccgggtc	agtacgaaca	aatgggcgga	catcgacgcg	660
cttgcaaaga	ctggcaagag	cagcactctt	aatcctacta	ctctgagaga	cgcgaaacag	720
gatatcgtag	tcgaatatac	ataccgcgga	ctcgacgctg	aagtcagcaa	gaaaatgatc	780
catttactca	agagcccttt	tgtcatccat	cccggtagctg	ggcgtgtttg	tgttcccatt	840
gacgccaaaa	aagcggacgg	attcgatcct	ctttccgtcc	caacagtcac	tcaattactg	900
gcggagatag	atgcctggga	tgctgagcac	cttagcggta	atgcaggcgc	cgaagctggt	960
caagatgaaa	gccacacacc	tagcgactcc	cagggaaagtc	gcaaattgca	agattacgag	1020
aagaccagcc	ttaagccata	tattgactac	ttccgttcgt	tcacgccttc	tctaaacaaa	1080
gaggaacgcg	tcggcacaacg	aggaaatgaa	gatccggatg	aggtaaaatc	ggaaagcatg	1140
gaatttttaa						1149

<210> 4893

<211> 474

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (119), (171), (222)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4893

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cctgacttcg	cccacgcaca	aactgccgag	caagattgga	ccagacagag	cttttacgnt	120
gttcttctct	tcgagaacct	tgacggagac	ctgcagactt	tcttcgaacg	ntacttcgaa	180
gagagaggca	tcaacgctga	gtcgcacaac	atgatccccg	antacattca	ggtcaaggag	240
cagaaggaat	acgtccgctg	gctcgagagt	aagttttaac	actgtcatta	cgccttcgct	300
cgtgtagcta	acattgctgg	tcgcagacgt	caagaacttc	gtcgcgcgtt	aaataccgaa	360
atcttttcgg	cgaaaaagtg	ctctgaagtc	cttactaggt	cttctcgtgc	attgtaccaa	420
aatccattga	aaaatcataa	ctacttatcc	gctattcccc	cattgtatca	ttag	474

<210> 4894

<211> 954

<212> DNA

<213> A.fumigatus

<400> 4894

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gcgctgggcg	cacttgtgct	tggggccagc	tcggaattgg	aaccgaccgg	ctcaactatg	120
aacgacacca	cccagtcac	gatgccgatt	gatggcgcg	aactggagac	ggaagtactt	180
aactcaagag	gggaggtcac	aatgagcact	tacagacggc	ggcaacgatc	ttcttcggac	240
gcgtcgactg	attccagaaa	cctctcccca	ccacgggata	tctccgctgt	gcctggccag	300
gctcccgcga	gatctggcgc	cccgggtact	ggggcttcgg	gcaacggagc	cggtagcaac	360
accagccgga	ccggtgctgt	gctctgcgtg	cacggcgggc	tttcgccgct	gatagatata	420

gtggataaaa	ttcgccatcat	tgacaggaaa	caagaagtcc	cacatgaggg	cgccatgtgc	480
gacttgctct	ggtcagaccc	ggacgaaatc	gaagggtggg	gattgagtcc	gcgtgggtgca	540
ggcttcttgt	ttgggtggaga	catcgtgaag	cagtttaatt	acaagaacga	cctgtccttg	600
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gtcactgtct	ggtcagcccc	taactactgc	taccgatgtg	gcaacgtagc	cgcaatactg	720
gagctcggcg	aggatacaag	taacgggggc	acagttgcta	gaagcaacgg	tgattatgga	780
cggagtaatg	gggtctcagg	cgtagacagc	gggtgggtcac	gggtcgtcag	tcccggtaga	840
aggtacagag	tgtttgaggc	cgccgcgcag	gacacgaggg	gcatgcctgc	gaagaaaccc	900
gttgctgatt	atttctcgtt	gagggtttcc	ccctttccct	ttgagacacg	ctga	954

<210> 4895

<211> 243

<212> DNA

<213> A.fumigatus

<400> 4895

gcgaagatgg	gttcccttcc	cgagccgggt	tatctttaca	aaaatgttgt	ccacgacccg	60
acagtccecat	atgttcagtc	ggccgagggg	atgtacattc	accttgacaa	tgggcagaga	120
attctcgacg	ctacctgcgg	cgccggtgtt	tctgctatcg	gacacgatgt	agaccgtgtg	180
aaacaagcga	taatctcaca	gctggatcaa	gtcgaatact	cccaccctgg	attctttcct	240
aat						243

<210> 4896

<211> 240

<212> DNA

<213> A.fumigatus

<400> 4896

aatttactta	gaccatgttt	atgcatccca	gcctgcccac	catcagtcga	tcaatatatt	60
ctccaaaact	caatcacttt	tttttcgggt	cgtggatacc	ttcatgatag	tctacttata	120
ttagatcagc	tgctcctccc	acatctctcc	gatattttcg	agatcttcac	tctgcaagtt	180
cctgacttgc	ttccacctgg	aaaaattacc	tcccctttgc	cttccccgcc	tcagttttga	240

<210> 4897

<211> 768

<212> DNA

<213> A.fumigatus

<400> 4897

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cccgagcagc	gtctttcttt	ggatcctccc	cgcttgaggt	caacacccca	ggatgagctt	120
catgatcttc	tgtgtgttgg	gtttggaccc	gcttccctgg	ccattgccat	tgctttgcat	180
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aagatgcaga	tctccttcat	caaggatctc	gcaactctcc	gggacccccg	cagcagtttt	360
acttttctca	actacctcca	ccagaagggc	cgtctgattc	acttcaacta	cctcagcacc	420
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gatgtagtgg	cttacggggg	agaggtggtc	gaagtgattc	ccgggaagtc	tgatcccagc	540
agctcgggtg	ttgacttctt	cactgttctg	tcgcgcaacg	ttgagacggg	cgagatcagt	600
gccaggagga	cccgcaaggc	cgttatttgc	atcggaggga	ctgcaaagat	gccatccgga	660
ctgccccagg	atccccggat	tataactctg	tccaagtact	gcacaacgct	gccggccctg	720
ttgaaggaca	agtcgaagcc	ttacaacatt	gccgttttgg	gcagctga		768

<210> 4898

<211> 669

<212> DNA

<213> A.fumigatus

<400> 4898

tcagctgccc	aaaacggcaa	tgttgtaagg	cttcgacttg	tccttcaaca	gggccggcag	60
cggttgtagc	tacttgagc	agtgtataat	ccggggatcc	tggggcagtc	cggatggcat	120
ctttgcagtg	cctccgattg	caataacgac	cttgcgggtc	ctcctggcac	tgatctcgcc	180
cgtctcaacg	ttgcgcgacc	gaacagtga	gaagtcaacc	accgagctgc	tgggatcaga	240
cttcccgga	atcacttcga	ccacctcttc	cccgttaagcc	actacatccg	aaaattgttg	300
cgcacaccaa	cgcatttagt	cctcgaactc	cagccgagcc	ggcaggaagg	tgctgagggt	360
agtgaagtga	atcagacggc	ccttctgggtg	gaggtagttg	agaaaagtaa	aactgctgcg	420
ggggtcccg	agagttgcga	gatccttgat	gaaggagatc	tgcattcttg	aaccggggac	480
cagcataccc	gagtgccacg	caaattgctt	ctggcgctcc	aggaagcaga	tcttaggctg	540
tgcattgata	ttggaagcgg	acttggtcaa	tgcagggtcc	agagcgcat	gcaaagcaat	600
ggcaatggcc	aggaagcgg	gtccaaaccc	aacacacaga	agatcatgaa	gctcatcctg	660
gggtgttga						669

<210> 4899

<211> 651

<212> DNA

<213> A.fumigatus

<400> 4899

cctctctcca	cggttaactc	acagtcgcgc	cagtcgcgtg	ccactcatgc	cttccttaaa	60
tcccaaccct	cctcaagcag	cctgtcttcc	gctgcggcag	cggcagctct	gcgaagtctc	120
acacctaccc	cgacgcccgt	cgaaaatgtc	cagacaaaga	gaatgattca	aaggcgggcc	180
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cgatcgccat	ctagccagtc	gcccgccaa	tccaaaccat	tgtctaccgt	tccctgagctt	540
gaacgcacca	gcagtcggaa	ctcgatcaat	ttctcatatc	cgatgaatgg	tgcaccaatc	600
tccccaactg	tctcgcgttc	gtttcccaca	caacatgagc	ccttgggcta	a	651

<210> 4900

<211> 183

<212> DNA

<213> A.fumigatus

<400> 4900

atacatcggg	gattaaggca	gacacaagtg	ttcattggta	gccttatttt	caaggtgccg	60
accagctgta	agttgacgga	tgcaacctca	ggcatcgaca	caccacaccc	cgcatacatc	120
atcgatgcct	tacagaagac	gatcaaccct	gtagcaactc	tgcagtatgt	aagaagagcc	180
taa						183

<210> 4901

<211> 462

<212> DNA

<213> A.fumigatus

<400> 4901

caaggtgtag	gggttccaac	ccttttaacc	ccctccctac	caattttgac	cagcagcttc	60
ctactaccac	tacaaggaag	accacacgg	cgactcttga	gaacaccccg	cagcccacca	120
cgggctctta	ctaccacatc	gactaccact	tttgaagccc	ccacaactct	gacaactgcc	180
tcctccacaa	gtgagggccc	aacaaccaac	cacaagcata	ccaccacccg	tacaccctac	240
acgtcaacct	acaagagtac	cactactctg	cccaatggcg	agcggagcac	cgtcacagcc	300

gtgacgggtcg	tctaccccac	ggcggacagc	tccagcccag	ccgccacaac	gaccgggtcca	360
gcccccgcc	tgcaaacccg	cggtgccgca	tccatcacgc	ggctccagaa	ggagctactc	420
gtcatgcttg	gaggcgcagc	cgctgtagcc	atggctctct	ag		462

<210> 4902

<211> 888

<212> DNA

<213> A.fumigatus

<400> 4902

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cgcgggattc	agcctgcgta	caaccctctc	cgctctcgtc	agtcgcgttg	cagaagcatc	180
atggaagtga	actccaacaa	cagttagtat	atctacacag	cagtctggac	ggattggtcg	240
catggtcgta	ttcatggagc	gaccatcacc	ctcagcgccc	aaaacgccgg	gtttttgacg	300
gcttttctcg	ccttgtttgt	gagcgtctca	gccggccatt	tgtggcggat	catcagcttc	360
gtcgtgcatc	agtttctact	ttctcaaaaa	cccagagatg	ccctccatca	ccaacagcaa	420
gtcatcttca	agaacactac	ttcgccgtgc	gcgcttattt	gggaatttgc	ccttctctca	480
tgggcatggc	gccggaaggc	ccagcaccc	cttcttcgca	atctcctttt	cattgtcctg	540
gcaatcatct	ggctagcgct	gaccggtagc	gccgccattc	tctcggcgcg	aataaccaag	600
ccagcaggct	ctcactgcct	gatcatgagc	cctcattgcg	gactctattt	ggccgctggc	660
gcaggattca	acgccagtga	cccctatcaa	ctagacgtat	ttgacaccac	ccagctactc	720
gagactaaca	ccgcgacttc	ctacgcaagg	acctgctacg	tgccctggtgc	agagagactc	780
ccacagtgca	acatctacgc	tcagactcgc	ctcgccctgc	atactaccac	caatgcctcc	840
tgtccgttcc	agagcggcat	gtgtctggaa	ggagacagcg	cagcattt		888

<210> 4903

<211> 402

<212> DNA

<213> A.fumigatus

<400> 4903

caagtggaaa	ttccccacct	tggaaacgag	ctcatggggc	ccgtcacccc	gtgtgctttg	60
cctgaacccg	aggtcgagcg	cattgccgct	gctctgctag	gcgccaaacg	gccgttgatc	120
atcacaggct	acatgggtcg	gaatccacgg	acgccgccgc	tcctggcaga	attatgcgac	180
aagctcccga	ttagcgttat	tgaaacggtc	gggtcggacg	tgagcctccg	cagtgtatc	240
gaggcatatc	ttggtgtgac	ggtcagcagc	catccggctg	tttgtgaggg	agatgtcatc	300
ctggtgatgg	actgtgatgt	tccttgggtt	ccgacggcgg	gcaagcctgc	agatggtatg	360
ctcttctaca	acttttttcc	ccccagacaa	tggctcacat	ag		402

<210> 4904

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (123), (181)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4904

gctctccttt	tcagccgagt	ggctctccac	atactaattg	atgtagatat	gaacctgtcg	60
ttcagagccg	cgccggatta	ccctgggtatt	gcggcgccgg	ctggcaaccc	gtggggggcg	120
acngtcacca	agacggacca	atttgattcc	acgtctcaata	acgccgtgga	gactgtccaa	180
nggggtccgt	gtgccgttgt	tgaatttcgg	ttagtcttct	ccctgtgttc	ccaagcaaag	240
ctaaatctag	gcaacgtttc	cctccaatgt	ggggtaaaga	aatga		285

<210> 4905
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 4905	
gctgacacat gtagcgtcgg cgacggcacc tacctcttct cgcagatgga atccgtgtat	60
tggatcgccc ggcgatacga cgttcctttc ctctcggttg tgctgaataa tagcggctgg	120
aacgcaccca aggtgtcgac attgcttgtc cacagtgacg gtctggcgct caagtcgaac	180
agagggggta ggctctcctt ttcagccgag tggctctcca cataactaa	228

<210> 4906
 <211> 231
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (216)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4906	
atgcaatcag tgtcgagtcc ttgcatccga cagggatctt acgacttgca gggctgtcac	60
taccactgtc cgatatctgc attgcgagcc gggatccgag ggctgtggcg tatctcaagt	120
aagccccctt cttatgattc tatctgggtg tctgacaagc tatccggatt cgatgccgaa	180
tttggatggg agaagcttaa gagcacggcc cacagnctcg tccgtggata a	231

<210> 4907
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 4907	
atttcgatcg tcatgtcaca tcaactaaca aacgggctgc aagacaaaaa gggaaaccaa	60
gtcgaccatc acatcctcac tcaggagct gagatctgcc acgaggttga gattctagac	120
gagcgaaagg attcattcaa tcattatcct tacgatcagg cagacataag ttacttaatc	180
atcgtagttc aaatcatcgg acactcttct cttccagagg agcctcatcc agactag	237

<210> 4908
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 4908	
catagctcgg atccttcgac ccctgtggtg aagacatcgc cgcagatagt gcgtttcatc	60
tccttctcgc tccctcttcc ctgcactgaa tcgcaactga cctctcccc aacagatcaa	120
tacctccggg cctccaacg tggctgcttc cgttacttcc aactgggact cgtcgacggc	180
cccgcaggcc tcctcggcgg cctcatccaa aaaccttccg tcctcttcgt ccatttcttc	240
tcctgtcccc tcctctccct ctgggtcctt cttcgcgaat accctcccta cctcttcccc	300
gtcgccctct tcaaattgat catgaccttc tggacagcct gcgtcgatcat cttcccatac	360
atgctaattg aagccttctg ctga	384

<210> 4909
 <211> 189
 <212> DNA

<213> A.fumigatus

<400> 4909

attccgcgc	gtccttgctc	gtcttatatt	ccccgctcc	atgtcggcgt	ttacaagggt	60
cagatgcggg	ctttttggcc	agtctttaaa	gactatcccc	tagatggctt	gcgggatttg	120
caaaattgca	atcgaacatc	tgcgtctgtt	tggtgcattt	caatctttgg	acatgttaac	180
ggttttctaa						189

<210> 4910

<211> 231

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4910

tnctcgacgc	gggtcttcca	cctcgggggtg	aagacgattg	ctcatgcgcc	tcgcaagccc	60
aacggtatca	atgcgtcgac	tcttgattca	gctagcggtc	aggggaagcaa	tggatggcag	120
acaactaaga	aaaagcagaa	aaagaatgcc	aagccaatgg	agccccgatc	tggtttccat	180
gcgggtgcag	agcctctacc	tgcagacgag	tcgttgagga	aaggcggatg	a	231

<210> 4911

<211> 333

<212> DNA

<213> A.fumigatus

<400> 4911

ccacaggcag	tggcatgttt	ctacgtccga	atccaggaca	aacagcagca	ggaaccctat	60
taccgcgcgc	tatacctcac	cgagcgcacc	gcacccgact	ttattgacca	actatccaag	120
aaatacaacg	tccaaccaga	ccgtatcctc	agtctcgtcc	atatcaatcc	gaacagtcta	180
cgcgtcgcgc	tcgacgatga	cgctcgtggga	gcaatccccg	aaggacaaga	catgatcgcc	240
caatttaccg	aggttcctgc	tccggttagc	agcgacggag	agggcgaggg	agaaggagac	300
agcaccaggt	acgaggttca	gctacatttc	tga			333

<210> 4912

<211> 1530

<212> DNA

<213> A.fumigatus

<400> 4912

tataccaagt	tgtgtccttc	caccgcctgt	gaagaactta	ccttattttt	acagtacaaa	60
agcaagatca	aaaaatatgt	ccttccggaa	ggctacagcg	gtttgaccat	aggaagattg	120
cagcttgcat	tcattgagaa	atttgcttgg	aatacgcaca	acaacggggg	tgacctgccg	180
gagatctata	ttcaggaccc	aatctctgga	gtgcggcatg	aattggaaga	tttgaatgac	240
gtcaaagaca	gatcggttct	tgtcttaaat	gtggatatac	ttgacgaggt	caagaagcat	300
ttcgatgatg	agcttggagg	tgctcgtcgt	ctgattgaag	gcgttaaagg	tactcttgaa	360
ggacaagaaa	atatcatcca	gcgcgtgtca	gaccgtcagt	tagaggccgc	aaaggagatt	420
gctcgcttgg	ccgcgcgcgc	tccagctctg	atcccgcact	cccttccaga	cggatccgct	480
cggaaagggc	ctattactgg	aagtcgcagc	caactggctg	agcttcagag	tctgaagcgt	540
gatcttgacg	tgctacggca	gacatactca	aatttctcgt	cagatattgc	tagctccatg	600
aatgcgattc	gtgctaaggc	aaattttgtg	aaatctgcag	ctgcagatgt	tgccgtgccg	660
tcctatgaag	gagatgctgg	tcgtgcccgt	gtcaacgccg	gcaaaaagga	actcgcagat	720
gagtcagaac	gactcgttgg	gcgcgtcgac	gaccttcagg	atttggttga	agatcttcgt	780

aaagacgtgg	tatcacgtgg	agtccgacct	ctcccaagac	agctagaaag	cgtcagcaaa	840
gaaattagcg	cgcgcaccaa	ggagttgaaa	aaaatgcaag	aattcctgaa	gcgggagaaa	900
ccgatttgga	cgaagatttg	ggagaaggag	ctccagcttg	tgtgcgagga	acgcgatcaa	960
ttaaccatgc	aggaagatct	ggccgcggat	cttgaagatg	atctcgagaa	ggccgctcag	1020
acttttgctc	tagtcgaaca	ggctaccaa	cagcaggcgt	tgcagcataa	tgtcaacgga	1080
ggcgttgctc	tgcgaaacac	ctcgcgcaac	gtgggttattg	accagcgggt	tgaccccatg	1140
aaggcgaagg	atgacgttct	gggtgaggtt	cgcgcactcc	agcctaata	tgagtcgcga	1200
ttagaagcga	tcgagagggc	agaaaaggct	cgacagaagg	aacttgagaa	tcgtcggata	1260
gggcttttcc	agaaagagct	tgggtgcgttt	gttcaagagg	gaaagctgaa	gaagagtggc	1320
ggcgtggaag	aagctgagcg	acaacgtcga	gtcaaagatg	accgtatccg	gaaggaggtt	1380
tgggagagac	agcaagcccg	agcagccgaa	atggagaagg	cagaagccga	atcggcagcg	1440
gcagcggcag	cttctaccca	actagagcag	tcagaccagt	ccgaacaacc	tgtcttcacc	1500
acggggctgg	aaggagccgc	tccacaaaaa				1530

<210> 4913

<211> 207

<212> DNA

<213> A.fumigatus

<400> 4913

ctcggctcttc	agagcgggat	ccttgcatgt	ctgggtgaatc	tctcacaatt	catcatcata	60
gattcgggttg	gccctgtcag	cagcactgtc	attggacact	tgaaaacctg	tatcattgtc	120
gggttgggat	gggccctgag	cgatcggcca	atttcgaggg	gatgcctcgt	cggtatccta	180
atggccctga	caggaatgac	cttgtaa				207

<210> 4914

<211> 717

<212> DNA

<213> A.fumigatus

<400> 4914

gttcggatcc	tggcacgggc	cgtgtgtgaa	gacgccaaagg	cgctatgtag	tatcctatat	60
catgactcac	accagaacat	atatagccac	atgtcctgcg	tatacccaaa	gtacactcac	120
atcaatcaga	gccctaattc	tccagtcac	atgcccatcc	taatcaaccc	cataacaaac	180
gaaccctaca	ttccctctcc	cgccccccat	tcattccatca	tcattccccc	ggcgcggggc	240
ccgaacaccc	acgactcctc	cgcctctctc	tccctcctca	acaaccccc	gatcttcccg	300
tacctcgaat	ccaccccggt	cccatacctc	cccgaacacg	ccaccgaatg	gttacaggcc	360
tcgcacgaac	aagccaccgc	cctcctacag	gcagcgcaaa	acaaccgctt	cgtcgacggg	420
ctgccattca	cctgcacccg	cgaggtcacc	aacgacggta	gcagcgacat	ctacatcggc	480
aacgtaggac	tagtcgggta	cgccttctac	gaattcaaaa	agggcacggc	agagcgcgag	540
gaggccgtgc	gcagaaatga	agcattgggg	gttggtagtc	cggagattgt	ttggggggtt	600
ggtggtaaga	gtcccttccc	gttctttcct	tccgccttgg	ccatatacat	atatctgtgt	660
gtgtacgtgt	gtgtgtatgt	tttagatgaa	gatgagggcg	acgaaggtgg	gtactga	717

<210> 4915

<211> 330

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (122)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4915

atccagtgcg	atcccggtcca	tgaatccgta	gcccggttat	caagcaatcc	ctcctcactc	60
------------	-------------	------------	------------	------------	------------	----

```
gcagattcga ctttacttcc tgcttcccaa accaacacaa cattggactt caccctccg 120
cnccgattca gcggcacaac cgcccaatct tccaactcaa actccaaccg gaaccattc 180
ttctcaaaca cccgcatact agccctatta tccgcataca ccgacgcctt gatcaccgc 240
gcattcatcc gcggcaccgc ccattcgtca atcacagctt tgatgacagc tgtcatgatg 300
cctttgccgt ggtatgtcgg cgagagataa 330
```

<210> 4916
 <211> 396
 <212> DNA
 <213> A.fumigatus

```
<400> 4916
ccgagtgcg cggagaaatg gtggaacgtc atccgcgaca cagccaagag cgcccccgcc 60
cattcgccag tgtctccac cagccctata gcaactgggg gtgctgtcgc tgctaccact 120
gagagtgggtg gtgctgcttc ggctccgcca cctactactg ctactgccga tgttgccgca 180
gtcgaggcaa agcctccggc ctacaaagag caggaaggcg ttgcgccagt cgcgcaggag 240
aagaccactg ccggtgaagc agccactccc accactccag cagccgagac tgggctcaac 300
cgctcgacca gcgcgccgac gggccactac cacatgggac ctggtgggtc agccgttgcg 360
cctgacgcac ctgcttccgg tgcgagaag tccgtga 396
```

<210> 4917
 <211> 483
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (442)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 4917
agacgccacg ggctcttcta cagcaccttc cgcgcctccc tccctggcac cggcaaggac 60
aagacctcct tcaacatcca agacctctc acgcagccgc atccgggctt cgcaaacgtc 120
gagcaaatgc ctttgtctaa ctacaccgtg acgattacca ataccggcaa ggtcgctcc 180
gactacactg ctatgtctt cgcgaaacacc accgcgggac ctgctccata cccgaacaag 240
tggtcgtcg gcttcgaccg gctggcgagc ctggaaccgc acaggtcgca gactatgacc 300
atccccgtga ctatcgacag cgtggctcgt acggatgagg ccggcaatcg ggttctctac 360
ccgggaaagt acgagtggc cctgaacaat gagcggtcgg ttgtccttca gtttgtgctg 420
acaggccgag aggtgtgat tntcaagtgg cctgtagagc agcagcagat ttcttctgcg 480
tga 483
```

<210> 4918
 <211> 669
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (45)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 4918
ttcgagcgcg gatcttcgac gccagtgagg tcgaagactc catcnaagag cgcattccgca 60
gccagtcgtg gtatacgcaa tctgccgtc atcctggcca ttagtctttt gactatcttc 120
tcgggcggtg tgattacggc cacaggtcac ttccggtccc tgatggtcat cggatcggcc 180
ttggccaccg ttggctccgg cctgatctgt accttgga tccacaccgg cagcggaaaa 240
```

tggatcggat	accagatcgt	cgccggcgtg	gggcttggtc	tcgcactcca	gatcccggtc	300
atTTTgaatc	aggcgctcgt	tacaccgagc	gacctctcca	gcattctcgc	cgtcacggtg	360
ttcatgcaaa	ctctgggccc	gccgatctgc	gtgtccgcag	ctcaggccgc	atttgtcaat	420
cggtttggtga	cgaggctgtc	cgtgctggcc	ccaaatgtgg	atgccaagct	tgtcgttgct	480
acaggcgcat	cagagctgcg	tcacaccttc	aacgatgagg	acattggcgg	gattctggag	540
gcgtacatgg	atggcttgaa	gctttccttc	cttttggtgca	ctgtcctcgc	tggagttacc	600
ctggtcattct	cagcattgcc	taagtgggtg	aacttgaaag	gaaaggtaca	agggagcggg	660
gcaacatga						669

<210> 4919

<211> 267

<212> DNA

<213> A.fumigatus

<400> 4919

ttcatacagt	cagaattcct	ggaagtaata	gtttcactaa	cagttgtggt	gataggccat	60
gcctttcgca	agaatgccgc	cgggtgccttt	ggacctgac	tcgccaggaa	gctgtctcag	120
ctagttaaga	tggagaagaa	cgtcatgcgt	agcatggaaa	tggttgctcg	agagcgtatg	180
gaagctgctg	tatgttgctg	gtccttaaca	catgccttca	caattgctga	ctctggcacc	240
ctagcaacaa	ctctccatct	gggggtga				267

<210> 4920

<211> 648

<212> DNA

<213> A.fumigatus

<400> 4920

gtcgggtctt	tagatcccaa	agaatcctat	attaacgttt	caataggcaa	gcagaagatc	60
accgatgaga	tcgccaagct	caagtacaag	gacctaaact	ctcctcgcat	cgtcgtcctc	120
gagcaggagc	tggttcgcgc	ggaggccgaa	tccctagtgt	ctgaggcgca	actctccaac	180
atcacccgag	agaagctcaa	ggcagccttc	cagtaccagt	tcgatgcgct	tcgcgaacac	240
tgcgaaaagg	tcgctatcat	cgccggatag	ggcaagcatc	tcttggaact	cgttgacgac	300
acccccgtaa	ctccggggcga	gactcgccag	gcttatgagc	gctatgaggc	tagcaaagcc	360
atcatccagg	actgcgaaga	ggccctcacc	aactgggtcc	agtccaaggc	ggccgttaag	420
cccagcctgt	cgacgcgatc	ccgctcgtg	tcccagcgag	cccgcgagaa	gaaccgcgag	480
ggctctgacc	tgtccgagca	ggaccagccc	atgagagggt	atcgggactc	ctgggtcccc	540
gccgggtcag	accgaagcta	cggggaagac	ggcgaggagg	ccgccagcac	cgtggacggc	600
gagaccgggg	gtcgagaaga	gacgacagag	gcggtcgctg	cggcctaa		648

<210> 4921

<211> 201

<212> DNA

<213> A.fumigatus

<400> 4921

caacaactct	ccatctgggg	tgaaaactgc	gatgaagatg	tctctgatgt	gacagacaag	60
cttgggtgtc	tcctctacga	gattggagag	ctggaagatc	tctttgtcga	tcgttatgat	120
cagtaccgtg	ttcccatcaa	gagcattcga	aacattgaag	cttccgttca	gcccagccgg	180
gatcgtaaat	cgggtcttta	g				201

<210> 4922

<211> 303

<212> DNA

<213> A.fumigatus

<400> 4922

tctccacccg	tggttaagaa	ttggcttcca	ctcgtttctac	cttgtcaatc	tctcgtttatc	60
aaaaaagtat	catccaccat	gcatcgcacg	tactctatgc	gccagtcgcg	cgttccccacg	120
gcgtcgcaga	ttgagaaccc	acctccgcca	ttgtcttcta	ccaagaccaa	cagatggctt	180
gggaaaggtg	gactgggtgc	gttgattcat	acagtcagaa	ttcctggaag	taatagtttc	240
actaacagtt	gtggtgatag	gccatgcctt	tcgcaagaat	gccgccggtg	cctttggacc	300
tga						303

<210> 4923

<211> 1581

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (109)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4923

gccgttcggc	agcgttcggg	gaggggcatc	ccttcaagtc	ggggcctcgg	agtcccagaa	60
aaaagagctt	ggaaggagtt	tcagggacgt	cacgctgacc	agcttgtnng	gagccagcgg	120
actcgggacc	agatcatgag	gcaatccgtc	atctccgaca	tgtttaattc	gtcgtggagg	180
atggatgctc	tcgtcgagac	tcctttggcc	gaggtcaaaa	tgctcgcggt	catgttcgtc	240
cgggacccag	aaaccaaaga	cctgaagcgg	taccatggcc	ctgctcctgg	aagtgacaag	300
ccacttcctg	acatcaaggt	gctcgtgcgt	caaccctggc	ctggagctgg	tgtggagaaa	360
ctcccgccca	caacacgggtg	cgacgaggcg	gtttcttaca	tcgtgcgcaa	ccacgatctc	420
agaggcaa	atcgatccaca	aaaggcgaaa	gagctgaatg	ttcgcgcggg	tcccaacttt	480
gcgcgtctga	cgaagggcga	gaatgtgctg	tctgaggacg	gaaagaccgt	cacccccgat	540
atggctcttg	gtccaccacg	gctcggaaag	ggactggcaa	tcatcgattt	gcctacctct	600
gactacgtgg	atgatttggt	tgaccggccg	gaatggaact	cggcctctgt	caccagggga	660
ctagaggcct	tcctgtggat	cctaggaccg	ggtgtaggcg	accatcctcg	cctccgcgag	720
tttgtcgctc	gcatgtcgca	ttgcaaacac	accgtctcca	gcacggatta	ctgtcccaac	780
tacttggcac	tgagtagcgt	ggcagggtcc	tccatcaggc	tagctagggt	gcgcggcgag	840
aattatcccc	tccctgttca	tgacaacaag	accctgccac	agccaggtag	tcctacgagc	900
gaatcagaga	caaccaagga	aatgatccgc	aactcgccat	tcgaaccggg	caaaccggc	960
ttggttatcg	acatggaacc	caagtgcgag	cttaaccgct	cagaggtcgt	gccactgttc	1020
aacctgtctg	agaccgtgca	aaggatccct	cgctcaatcg	agcagcgggt	gactgccatc	1080
cgtacgcggg	tcatgaaccc	ccaatttcaa	gagaaactgg	cagagtcttc	ttaaagatctt	1140
cctggggcca	atgtggagat	tgtaactctg	ggaactggct	catcctcgcc	gtccaaatac	1200
cgcaacgtct	ccagcactct	cgtcaatgtg	cctggcggtg	gacccatctt	gcttgattgc	1260
ggtgagaata	cgatcggcca	gctcaagcgc	atgtacgaac	cgaagaagtt	gcaagaggtg	1320
ctgcagaacc	ttcggctgat	ctggatcagc	catctccacg	ctgatcacca	tcttggcacc	1380
gcttccgtca	tcaaggaatg	gttccgtgcg	aactacccaa	acggcgtagc	tggagcaggc	1440
gatgtcgaga	ccgacatgcg	caagatcctc	aaagaaaagc	gcctgtttgt	cgtgtccgag	1500
gagatgatga	tcggctggct	cgaggagtat	gccggcgctg	aggactacgg	ccttggaaaag	1560
ctagtgcctc	tggcagccca	t				1581

<210> 4924

<211> 531

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8), (9), (10), (28)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4924

ggtgcagnnn	ttttgatgac	actgagtnca	ctggagcccc	cggtgaagac	cgtcgagatc	60
acgtcgccgg	tgatctcggg	ccagatcgtg	ccaacgatcc	tggatctctt	gatcgaatcc	120
tcctcgctgg	gggacacggc	caccgcgcgc	gccaaggacg	tgctggccct	ctacgaaggc	180
cagtcgatga	ttcggccctt	gatccccgag	cagaacggca	agcaagactg	gcagttcacc	240
gtgatgaaca	ccggcggttc	ctggctggcc	gagcgcctcg	ccgccaaacc	ggccttcggg	300
ctggatcatcc	ccctcatcga	cgatctggag	tggcggatca	cggatctgga	aaaggatccc	360
aacgaactcc	acccgatcaa	gaactttgac	ctggctcgacc	tggcccgcga	acttgaaaaa	420
cagtacgggc	ccgaagtgac	caactgggtc	cgcgacgcag	cccatgttgc	ctcgtggtgg	480
gtgggcgaaa	actggcgctc	ctaccggtat	catcccgcacc	ccaagcactg	a	531

<210> 4925

<211> 873

<212> DNA

<213> A.fumigatus

<400> 4925

tgtgtatcgt	gcattaaacc	aaaatcgtea	ttttgttttag	aatgccaaca	cggcagcgac	60
ggcgccgaac	accagagcgc	aggcggtgac	cgagcccttg	atggagccgg	cggcgccttg	120
ggagagctcg	ggggtggcgg	aggctccggc	gctagtggag	gagcccgctg	tagagctaga	180
gccagagcca	gagccggagc	cggagccaga	gccggtgttg	ctgctgccgc	tgccgccggt	240
ggtagtaggt	tccgcgcctg	agctcgagtt	agagccggag	ctggttccag	acggggtggg	300
agtgcctttg	gtggaagtgg	ccagggtgga	ggtggaaggg	gtcttgctcg	aggtagagct	360
ggcgagagctg	gcggtgctgg	tgggtggagga	ggtcacggaa	gagctggagg	agatatacgc	420
ggagccgctcg	aacttgatgc	tctgccaaga	gccagagttg	tccgagtagg	tgtaggactc	480
ggcggggttg	gcgttctcga	tacggacgga	cttgacgtac	atggtgtacg	gtcccgcgct	540
gtagtcggtc	aagccaccgg	cccactcgat	ggtgcccttg	gggttgctgg	ggtcgccgcc	600
ggcccagctg	ccaagtctca	ggcgcataag	agtctgaggg	aagcgagtgc	cacccttggc	660
atcgttgtac	gtgagcgtac	gcacgaccgc	accgtcaata	gaccaggtaa	cggcatcctt	720
ggtccagtcg	atggtgtagg	tgtggaaaag	ctcctgagga	gtggcaacgg	gcacgtaagt	780
gcctcggtca	tatgtggtgg	tgtctccttt	gccaaagtag	tttgtctgaa	cctgagtggg	840
gtcacccgcc	aatacttcct	gcgctttcgt	taa			873

<210> 4926

<211> 429

<212> DNA

<213> A.fumigatus

<400> 4926

aatgccaaca	cggcagcgac	ggcgccgaac	accagagcgc	aggcggtgac	cgagcccttg	60
atggagccgg	cggcgccttg	ggagagctcg	ggggtggcgg	aggctccggc	gctagtggag	120
gagcccgctg	tagagctaga	gccagagcca	gagccggagc	cggagccaga	gccggtgttg	180
ctgctgccgc	tgccgccggt	ggtagtaggt	tccgcgcctg	agctcgagtt	agagccggag	240
ctggttccag	acggggtggg	agtgcctttg	gtggaagtgg	ccagggtgga	ggtggaaggg	300
gtcttgctcg	aggtagagct	ggcgagagct	gcggtgctgg	tgggtggagga	ggtcacggaa	360
gagctggagg	agatatacgc	ggagccgctc	aacttgatgc	tctgccaaga	gccagagttg	420
tccgagtag						429

<210> 4927

<211> 378

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (102)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4927

gtgttttcat	acgaccatat	gatatacatc	agcttatcta	acgattgttt	tgcagagacc	60
tgccccccca	acaaggggtct	tgctgcatcc	acttacaccg	cngacttcac	ctcagcttca	120
gctttggatc	aatgggaagt	cactgcaggc	aaagtccccg	ttggcccaca	gggcgcgag	180
ttcactgtcg	ctaagcaagg	cgacgcacct	accattgaca	ccgacttcta	cttcttcttc	240
ggaaaggccg	aagtgggtgat	gaaggccgct	cctggcacag	gtgttggttag	cagcatcgtc	300
ctggagtcgg	atgatctgga	tgaggttgac	tgggtaagcc	tgcttgtcta	tcatgtgttc	360
gtcttgagcc	ggacttaa					378

<210> 4928

<211> 456

<212> DNA

<213> A.fumigatus

<400> 4928

cctcctccac	caccagcacc	gccagctccg	ccagctctac	ctcgagcaag	accccttcca	60
cctccaccct	ggccacttcc	accaaggcga	ctcccacccc	gtctggaacc	agctccggct	120
ctaactcgag	ctccagcgcg	gaacctacta	ccaccggcgg	cagcggcagc	agcaacaccg	180
gctctggctc	cggctccggc	tctggctctg	gctctagctc	tagcacgggc	tcctccacta	240
gcgcgcggagc	ctccgccacc	cccagactct	cccaggggcg	cgccggctcc	atcaagggct	300
cggtcaccgc	ctgcgctctg	gtgttcggcg	cgtcgctgc	cgtgttgga	ttctaataaa	360
aatgacgatt	ttggtttaat	gcacgatata	catcatgaag	gggacgtcag	aactatacat	420
ttcggcatcg	gggtttcgcc	atcgtttggg	gtatga			456

<210> 4929

<211> 426

<212> DNA

<213> A.fumigatus

<400> 4929

cgggtgcggtc	gtgcgtacgc	tcacgtacaa	cgatgccaa	gggtggcactc	gcttcctca	60
gactcctatg	cgctgagac	ttggcagctg	ggccggcggc	gacccagca	acccaagg	120
caccatcgag	tgggccgggtg	gcttgaccga	ctacagcgcg	ggaccgtaca	ccatgtacgt	180
caagtccgtc	cgtatcgaga	acgccaaacc	cgcgagctcc	tacacctact	cggacaactc	240
tggctccttg	cagagcatca	agttcgacgg	ctccgtcgat	atctcctcca	gctcttccgt	300
gacctccttc	accaccagca	ccgccagctc	cgccagctct	acctcgagca	agaccccttc	360
cacctccacc	ctggccactt	ccaccaaggc	gactcccacc	ccgtctggaa	ccagctccgg	420
ctctaa						426

<210> 4930

<211> 210

<212> DNA

<213> A.fumigatus

<400> 4930

tgcacgatac	acatcatgaa	ggggacgtca	gaactataca	tttcggcatc	ggggtttcgc	60
catcgtttgg	agtatgacta	ctccatcggt	cttattgatt	tcattctatg	cccataccta	120
tttcttatac	cccgtacata	caacatgcaa	catgttacat	atttaaatgaa	agtacgctat	180
tgttctggtc	gggggatttg	tttgctctga				210

<210> 4931

<211> 882

<212> DNA

<213> A.fumigatus

<400> 4931
 ctgggtaagc ctgcttgtct atcatgtgtt cgtcttgagc cggacttaac gaaagcgcag 60
 gaagtattgg gcggtgacac cactcaggtt cagacaaact actttggcaa aggagacacc 120
 accacatatg accgaggcac ttacgtgccc gttgcccactc ctcaggagac tttccacacc 180
 tacaccatcg actggaccaaa ggatgccgtt acctggtcta ttgacggtgc ggtcgtgcgt 240
 acgctcacgt acaacgatgc caaggggtggc actcgtttcc ctcagactcc tatgcgcctg 300
 agacttggca gctgggcccgg cggcgacccc agcaacccca agggcaccat cgagtgggccc 360
 ggtggcttga ccgactacag cgcgggaccg tacaccatgt acgtcaagtc cgtccgtatc 420
 gagaacgcca accccgcgca gtccctacacc tactcggaca actctggctc ttggcagagc 480
 atcaagttcg acggctccgt cgatatctcc tccagctctt ccgtgacctc ctccaccacc 540
 agcaccgcca gctccgccag ctctacctcg agcaagaccc ctccacctc caccctggcc 600
 acttccacca aggcgactcc caccocgtct ggaaccagct cgggctctaa ctcgagctcc 660
 agcgcggaac ctactaccac cggcggcagc ggcagcagca acaccggctc tggctccggc 720
 tccggctctg gctctggctc tagctctagc acgggctcct ccactagcgc cggagcctcc 780
 gccacccccg agctctccca gggcgccgcc ggctccatca agggctcggg caccgcctgc 840
 gctctggtgt tcggcgccgt cgctgccgtg ttggcattct aa 882

<210> 4932

<211> 612

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (84)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4932
 agttcatgga ttcattggcc ttgcggacca accagggggcg ttcccaacct ttttgatgac 60
 agcagcatcc agaataccca aggnnttttac gtatacgccg atgatgccgg ggacattaag 120
 gcacatccct ttttccatgg tatcaactgg cgtacacatc atctgaccga accgccgttc 180
 actcccaaag tagatggctg ggaagatact cgctatttct atgacaatga agactccttg 240
 gacaacgatg atgtttcaat tacgtcggag gacaatcaag ggcaagggtga ggtcgatgga 300
 ggtcatgcac acgaaccagg tctcgaaagg gtgcaatcgc aacagaaaagg ctgtcagcca 360
 gaccagaagg acagtcctga tcttgcaaag aagaacaaac accgtaagaa ggacaaacac 420
 aagcggagac gaccacgaga caagttattg cgtgacccaa gagtgggtaa gacagtctc 480
 gacattcgca agcgagggtc atttctaggc tacacatacc ggcggccaaa tgcagttgca 540
 ttggcactgg tgcctgaacg gggcgatcg atgtttaggc ggggacaatt gccagaatta 600
 tatggatatt ga 612

<210> 4933

<211> 225

<212> DNA

<213> *A.fumigatus*

<400> 4933
 tggacaatcc atcgcagtga cctcctcaac actggtgttt atgctgtagg cttgctcgca 60
 acgcttcgct ccaagaagtt gagcggacaa tggattggcg tcatggtcac tgcgagccat 120
 aatcctgccg aggacaatgg tgtcaaactg gtggacccaa tggtagctc ctatggaact 180
 ttcgatgggg gtatgaaagg tgaatttgct gacgtattga tataa 225

<210> 4934

<211> 384

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (355), (374), (375), (376), (378)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4934

gctgaatggg	aagcatacgc	caccaaactc	gcgaatgctc	cgcttgaaaa	tatcgggtgac	60
gtttacgacg	aattgggttaa	ggagatcgat	gttagcatgg	agaaccctgc	tcgtgttggt	120
ttcgctcggg	atactcgtgc	atccggttcg	cgactcattg	gcgtccctcag	tgctgcgctc	180
actgccacgg	aggccgagtt	catcgatatg	aaatttatga	ccactcccca	gctgcattac	240
gtcgtccgat	gcaagaacac	tctgggaacg	caatatgagt	atggtgagcc	tactgagcaa	300
ggatattacg	aaaagcttgc	cgcagctttc	aagaggggtc	tcacccgggg	cggnatgga	360
atgcaggcca	atnnnnanct	gcac				384

<210> 4935

<211> 1512

<212> DNA

<213> *A.fumigatus*

<400> 4935

actctccaat	taggtttcac	tttgagatac	ccaccagtc	ttcagcgggg	acggttgctg	60
tgtgtgcctt	tcaactccgc	cctcctcac	cactatcttc	tgctgcttca	acttcgacat	120
ctctcctcca	ttgaagaact	tcatctacta	tcttcccaac	tggaacctca	gttctgtctt	180
ccttgctttc	taactcctac	agaccacttt	cgtctctgtc	cttcaccag	ctctgcccgc	240
aacaaccaag	ctctccactt	ccccgcctcc	aaagtgggtc	ggaactgtac	catctccggc	300
cttacagcca	acaggatggc	tgatagctct	tctttcccgg	gtacaaaccc	gttccttaag	360
gtcagcacga	aagacgacaa	atattccccg	atccagaaga	tatccgagga	ggaagaatat	420
gaggtgacgt	caccgaccga	tcccactttc	cgcagcgcgc	actccggggc	tacagcacc	480
actgctggaa	actcgttcaa	tgagagacaat	ggctccaacg	aaggtgggtga	gggaatacag	540
ttcaataggc	cctttgatgc	aggatttggg	caggggagcg	aaggtcaagg	cgaacacgtc	600
gagcctcccc	gaggagctcg	cccaacggca	gccgccaac	aagggttccc	taacaactat	660
gctctcggcc	gtcgtacctc	tgtatccgcc	gagtccttga	accctacctc	tgctggctca	720
gatagctgga	cgcccccatg	tcatccgaag	accgaagaac	agcttttcg	tttgaaaacg	780
gctgtgagca	acaattttct	gtttttctac	ctggacgacg	accaattcag	gactgtactt	840
gacgctttgg	ttgaaaaaac	cattcctgcg	aaagatatca	aggtgatttc	gcagggagat	900
gccggtgatt	actttttacat	agtggagaat	ggccatttct	atgtctacat	caaccccgcg	960
ggctcagtc	aaccaggccc	cgatggtatt	ggcaacaagg	tcagcaccat	tggtcctgga	1020
ggctcctttg	gtgaactagc	cttgatgtac	aacgcgcccc	gagccgcgac	tattgtctca	1080
gcagacccca	agagcacgct	ttgggctttg	gaccgcacat	ctttccgccc	gattctcatg	1140
gactctgcct	tccagcgacg	ccgcatgtat	gaggctttct	tggaagaggt	gccattactt	1200
tcttctctca	aaccatatga	acgcgccaag	attgccgatg	ctctcgatgc	gattaaatac	1260
ccagcgggct	ctacaatcat	cgaggagggc	gtccagggcg	atgctttcta	tctacttgag	1320
tctggggagg	cggaagcttt	caaaaaggac	gtggaggggc	ccgtcaagtc	gtataggagg	1380
ggcgactttt	tcggagagct	cgccttgctg	gacgacaaac	ctcgtgctgc	tagcgtgttc	1440
gccaagaccg	acgtcaaagt	tgcacgactt	ggtcgcgatg	ggtcttcacc	acggggctgg	1500
aaggtccgcg	tc					1512

<210> 4936

<211> 255

<212> DNA

<213> *A.fumigatus*

<400> 4936

aatcaatgga	ttaaaactgc	cagccagacc	tctggtgaag	acctggtaaa	ctttttcgct	60
ttgtctgacg	acgacctccg	tctttcgctc	ctcacctgg	tttatcgggc	cgctccgccc	120

acaaaaggat cctccacaac ctttagctta agctgtatca aagctgccga gaccgcttta 180
 aggagacacc atgacgttat tgatgtgata cgcaagaatg gcagtatcta cttcgccaag 240
 tatattcatt ggtaa 255

<210> 4937
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 4937
 aacgtgtact cggaaaacga ctccgtgctg gctctcttat atcgaacaag cagcctccag 60
 cttgggggttg caggcttgca gcctgttgaa ggtgtctcag gcgttgagaa tctggacgtt 120
 agcgacctga tcagcggcca tctccgttat cagtttctcg ttggcaggat cttgagcgtt 180
 gttggacttg agagcattga tgctcgcgag gtcgcactgg aggaggccgc attagaagcc 240
 aaagatcgga ggcaggagca ggaaagggct cataacgaac gacaggctgg atttatgggc 300
 gagggtcggt caccaagcca gcggctggaa agccaggagg atctgcaggg cgaagaggac 360
 agattacaga aagagatggg aaaagcacga gtgcggcact cttag 405

<210> 4938
 <211> 603
 <212> DNA
 <213> A.fumigatus

<400> 4938
 ctaaaacagg acttttagggc tattgtccca gtccgctgcc aactcgtcgc tcttatctcg 60
 gccttcttct ttagaaaccg ccaaatttgc tctactatga attcaccaaa ggtcgctttg 120
 attacggcg cctctagagg cctcggcgca gcaattgcgc gatgcctggc tgaggagggc 180
 atgaacatcg tgatcaatta caattccgat cctgctccgg cggaacgttt actgcaggag 240
 atgagggctt tgagtcaggc caaggtgccg ggtgcgaatg cccctcgcta tgcagcattc 300
 caggcgaatc tggccaacca aagctccact cagcagcttg tgcagcaaac cattcagaca 360
 atgggccggt tagacgtggt ggtgtccaac gtcggctgga cgagaatgac caattttatg 420
 aatctggaag acgctgataa cgagatggac tgggatagat gcttctcgat gaatgtcaaa 480
 agtcatttcc agcttttccg ggtttgtcag gagcatttgg agcggagtga ggggggtattc 540
 attgctacag cgagtgttgc gggggtgaag ccgagtggga gttcattggt atgggtcatt 600
 tga 603

<210> 4939
 <211> 1266
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1132), (1189), (1224)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4939
 catctctcag agctaacaga cttccctcta ggtacggtcc caggcctacc aacgtccata 60
 atggcttcca cagaagaacc tgtccctcct cctgcccttg tgcccgtga tgcgcccgt 120
 tcggccgaag ttgacgctga aatggcacc cctgctactc ccgtcgactc taccatcctg 180
 tccggcagcg agggaccctg tacaagcccc gatgcttcga tcagagacaa ggagaatatc 240
 aagtcttcgc ccgagaagac cactacgacg acaaaccgtc cgttgtctgg aacggccgct 300
 gccaaacgtc caagctctgt ttccggggct accaagaccg cagcgtccac cgcgcgagct 360
 gcggccaacg gcagtacact cagcaagccc ccaactcgtc ctaccacttc tgggtactgtc 420
 cgtaaaccgc tgagcacttc gacaaccgcc tcccaccggt ctgcccctc ggtgagcagc 480
 tccgcggatg agaagacgag gtctgtcgcg agctctgggt acgaaaggag aggaatctcg 540

```

ggctcgggcca agcgcatgtc cttggtcggc actacttcct cgaggggtcc accgaagact      600
actacgtcca ctctggaccg tcgctcaagc attgccggca ccaccacatc acggagcccc      660
gctacgcgtc ctagtaccgc tccctccact aaacctgccca caaaaccaac tggcgtgtcc      720
agcacctctc gtacgtcgaa tagcacgagc acgactgtgg cccgacctgc agcccgaccc      780
atggccacgg ctacacgccc tactacgagc gcctcgaaac gactgagcac tgccatcaag      840
gtgtccgacg atgagggcga gaaactgcag tctactgcaga acaagctgtc cgaaagttag      900
gcgactgtcg ccagtctcaa ggcagagctg gagactgtga acgagaagct ttctcagctg      960
tcggtgtctc atgggggagc gtccaaagaa aatgacgagc aagtcgccag cgcccggcgg     1020
aaggaacacg ctgccgaaac ggcaaagctg gctgctgaac atgccgagca acttcaagct     1080
ctgcaggccc aattggacga agcagagact aagcgcaagg agctggaaga tnaagtccctg     1140
caggacctgg aatatgccgc caaagcagcc gctcatgaac gggacgacna gactactgcg     1200
gcacttgaag agttgaaaca gtcncaccaa tctcagcttg agacgctgga aaaaagaact     1260
tgctga                                         1266

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<210> 4940

<211> 600

<212> DNA

<213> *A.fumigatus*

<400> 4940

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actgatcttt tccggtcgct gttttattcg tttgtgtcgc tggccttcca gatcccgttc      60
gcccatagtc cagcgccgga tacgttgcc tgggacgac ccaatgccta tggacatgga     120
tctttcgtgg tattctggat gctgaattgg gttggcatga ctgcgcttgg attaccctgc     180
gagaacatgg ggatgatcct cggatttccc tacagcgccc tttttcttat tttttgggtc     240
atcaccaacg tcgccactgg cttctatgcg ttggatctgg cccctggatt cttcgcttgg     300
ggctatgcct tccctttgca tcgcagtaag tcttccatcc ttcgaactgc cttgcggctg     360
tctaactcgt gtagttgtcg aggcgctccg gactattctc ttcggcacgc attcctggat     420
tggaactgac tttggcattc tgtttgcgtg gatcggattg tccatcatat tataccatt     480
tgccgcattt gtcatgcgct ggaagatgaa gcgaggattg taattttcgc tcgcgataga     540
agcatacact ctaatcaatt tatcatacta gatacctctc aacataatct attttcataa     600

```

<210> 4941

<211> 330

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (154)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4941

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cattccattc tatcactatc attcgacatg gccaccacaa acgatttcct ttcattccgac      60
gtcaatagct atgactatgt tattgtcggc ggcggcacgg ctggctgtgt cattgctagt     120
cggtcggctc agtacttgcc caataagcgt atcntagtca tcgaggggtgg tcccagcgac     180
ttcatggatg acagagtcct taatctgcgg gaatggctca atctcctggg aggcgagcta     240
gactatgact atcccaccac agagcagccc atgggtgtgt attcttcgca cattctttgt     300
tttatccgca cgtccttgcg ggttatttag                                         330

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<210> 4942

<211> 186

<212> DNA

<213> *A.fumigatus*

<400> 4942

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gtttatgccca ttcgtccat taatatccct ccgtggctga ccatgaagga cgaagtccgat      60

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gaaaattctc	cgaagctcac	gattgatttg	tttattgaga	aatggagata	tcaaattgac	120
attaagtggg	tgctccgtca	tattggcgct	tgcttggtta	aggacgacaa	cacccccaaa	180
ggtctt						186

<210> 4943
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 4943						60
acgcgatcat	gccgcgcact	tcccatacag	gactcttact	ctttgcagct	ctacctgtcc	120
ctatatttct	tagtctactc	tgattgtctc	tttgctctga	accaattgtc	ggcccttgct	180
agtacgtcta	cagtcataatg	ctgtttttatt	ctctacattg	gaaagtgtct	gccgagcgga	240
tttaagaacc	ctgcccattgc	aacccttggt	gacacctatt	gtaacaacga	ggagaaacga	261
ctaggtcttt	ggcatattta	a				

<210> 4944
 <211> 840
 <212> DNA
 <213> A.fumigatus

<400> 4944						60
gtcaagattc	tccgccaaag	gagatgtccc	ttgcctggtc	ggttgcgggtg	ttgttctctgg	120
cccgcattgg	gtacaccttc	cgcataccat	gcagctcggt	gtgctgtatc	cttaactaat	180
cttgagctgc	ggaaagttaga	gctggattca	atggcgctcta	ttttgcgagt	tttaatgaat	240
aatgttcggc	gaaggcgact	gtcttccaga	gaatgtctcta	ctgttgcgca	tattatccat	300
acagaaacc	cgattgagga	agaaacctta	ccacattaca	aagcagagca	ttactatcca	360
gtaagaatag	gcaatgtgta	tcacgccaga	tacaaagttg	caggaaagct	tgggtatagg	420
gcatattcaa	ctacctggct	ctgccgagat	ctccagtgcg	ccaatcccag	tctaattaat	480
cccagggcag	ctctgacgag	tcatggatat	agagccaata	actacacagt	attgaaggta	540
tcaacctcct	tgccagatta	tcccactgca	gcagatcgcg	aattgagagt	ctataaacac	600
ctagcaaaaa	tagattcttc	gcatccgggt	cggctcattga	tccgcgagct	gtatgattca	660
ttcgacctcc	atggcccttg	gggcacacat	cgatgccttg	tactgcagct	gatgaatgtg	720
acacttctta	aaatgatgag	aatgaatcct	cggctgtttg	atctacctct	actaagaatg	780
acaatcaagc	gacttctatt	agctcttgat	ttcttgcaca	cggaggctga	ggttattcat	840
actggtagag	atttatgctt	tataaagggt	ggatttgata	ctgatgtcca	ccagacttaa	

<210> 4945
 <211> 1074
 <212> DNA
 <213> A.fumigatus

<400> 4945						60
aataatcatc	catatagacc	tcatacactc	accatcaaaa	tgagctcaaa	caaggccctc	120
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gtcgagtatg	acgccaacac	ccccgcccc	gagaatggtg	ttgtcctaca	gtccctctac	240
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cccgttttcg	agcttggcaa	gcccacgcac	agcacaacga	ttgcgaagg	cctccgctcc	360
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gaggacatcc	gtgtgttcc	cggtgctctg	ggtatgccg	gtctgaccgc	ctactcttcc	540
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ggttggtctg	acgagaagct	cgagtacatc	accaaggacc	tgggctttga	cgggtggttc	720
aactaccaga	aggaaaagcc	cgctgatgct	ctggcccgcc	tggcgcccca	gggtatcgac	780
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tttggtcgtg	tcgttgctcg	cggcctgacg	tcccaataca	acactgctcc	ttaccccatc	840
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cctggcatgg	gtgacaagta	cactgaagag	caccagaaga	acgtgcagaa	gtggatcaag	960
gagggctcct	tcaaggctct	tctgcacgag	accaccggta	tcgacaatgc	cgccgagggt	1020
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<210> 4946

<211> 423

<212> DNA

<213> A.fumigatus

<400> 4946

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tcttacagtc	cctctacacc	agctttgacc	cctacatgcg	tgcccgcatg	cgccccgctc	180
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tccccatcca	ggagtacatc	gttctcgatg	gctcccaggt	tgcccgcatc	cgccctctcg	360
agaacccctt	cggcatcgag	gacatccgtg	tgctcctcgg	tgctctgggt	atgcccggtc	420
tga						423

<210> 4947

<211> 612

<212> DNA

<213> A.fumigatus

<400> 4947

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ctcggcggca	ttgtcgatac	cgggtggtctc	gtgcagaaga	gccttgaaag	agccctcctt	180
gateccattc	tgcacgttct	tctggtgctc	ttcagtgtac	ttgtcaccga	tgccagggtc	240
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ggggtaagga	gcagtgttgt	attgggagat	caggccgcag	acaacgacac	gaccaaagtt	360
gttcatagcg	tccagagccg	cctcgagggtg	ctcgccaccg	acgttctcgt	agtagatgtc	420
gataccctgg	ggcgccaggg	gggcccagagc	atcagcgggc	ttttccttct	ggtagttgaa	480
accaccgtca	aagcccaggt	ccttggtgat	gtactcgagc	ttctcgtcag	aaccaacact	540
gccgatgacc	ttgagacctt	cgtgcttagc	caactgacca	acgagctgtc	cgacagcgcc	600
gctcgcagct	ga					612

<210> 4948

<211> 1422

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (993)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4948

acgcatacgc	cggtaccttc	ggccccgcggg	gtgaagagct	cctcctcttt	cggtctgata	60
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gcatcaacag	gcttccctca	gcatcgacgg	cgtgtgaatc	agtctgcttt	caagcagcgc	180
cgagcgaaca	ggcaacaaga	atcgaccccg	ccgcctgcgg	cgactccttc	taccaccctt	240
tccgatgaga	agaagagcat	cgatgaggag	aaccgtcggc	aactggcatc	tatgtcacct	300
gcccagattc	aacaggagcg	ggaggagctg	atgtcttcat	tgaacccgtc	cttgctcgag	360

agattcctcc	gtcgcgcacg	gacgcacgat	gacgacagta	tcaccccatc	cgagaagagc	420
tcgtcacaac	cggagccccc	actctcgtct	gcatcatcgg	cgcaagatgc	gtcgacggcg	480
aaatccaaga	aatcagtatc	gttcgacgtc	gaagaagatt	ccaagacagc	aacagagaag	540
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gaagaccttc	ctccagctca	accaccggcc	gacctccatc	cagcgtctga	aatgcccagt	660
catgaggcct	ttcatttttc	tacgcctccg	cgccaagaca	agccaccaa	tctcgatcct	720
gcgtctcctt	ctttcctgtc	tgacctccaa	gccattatt	tccccgaaat	atctcatgat	780
ccatcagcgc	tctcctggct	acagccgccc	tggcccgacc	cggaagatcc	tgactcgacg	840
tccgcatacc	acccggcaag	tagtgcagag	gccgttcac	cgtccgctct	ccgattctcc	900
ctccttggca	atgtctctc	ccccgccact	tgcgtctccc	tccccaccac	tctcggctctg	960
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gccagtgcct	ccgcttgggc	tgtggagggc	gtgtggctct	ggcagatggg	tggaggagga	1380
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<210> 4949

<211> 225

<212> DNA

<213> A.fumigatus

<400> 4949

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acatacgtag	agtcatacgc	tcaaatcaag	aaaaaaaaaa	tttgtagtaa	ccaggacaag	120
tcccagttca	catccttttc	cttcgcgcct	tatgatatac	tccccatctg	caccccccaa	180
accttcacc	gcgtttcttc	ccaaaaactc	ccgccgcagc	cataa		225

<210> 4950

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 4950

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atgaaaacat	taccatctat	ctctgttttg	acttgcgctcg	ctcagtcgca	gagtcagatg	180
agtcccactg	gtccaaacga	tgccaaagac	aaactcaacg	tccacgatct	ggagttgatg	240
atgcagtggg	gtactaagac	atatcggttc	ttgtctcata	gcagcaatgt	tgagagcatc	300
tggcagactg	tcattccacg	tgaggctatg	cggcaccggg	ccctaattgca	tggtattctc	360
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atcgaccatt	caaactgcga	tgcagccttt	gctttatgca	gtctcacgac	catatcctcg	540
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gaagctttcc	aagttgcaag	gaactccatg	aatgttctgg	tccagatcgc	cgaccaagtt	660
aagagtggcg	agttgaagcc	gttacttgag	gaggacgaag	ggggcccca	gatgcccagc	720
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atcatccaac	aagttgggtca	actgctggac	tctcaatggc	gacaatccat	tagttgggta	1080
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<210> 4951
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 4951
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 gtggatttct gccgggtgaa ttgcatctcc cctggtttca tcgaaactga tatcctggat 120
 atccatccca aggagtggag ggagaagtgg tatagcatgg tccctgcgca gcgttttgcg 180
 gatgcatacg agttgaaagg ggtgagtttt cctttcctgt ga 222

<210> 4952
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 4952
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 gccgacacga ccgccgccga aatcgccctcg gcgaacaacg tcaggggccgc agcttaccac 120
 gcgaacgtca gcaacaaggc tgagatcgag aggaccatcc agcagattgc ctccgacttt 180
 ggaggactcg acatcatcgt cgtcaactcg gggatcacct cgaacgtcgc ggcggaggac 240
 tacaccgccg agcaatggaa ggaggtcatg caggtgaacc tggacggcgc attctacacc 300
 gcacaggctg cagcgcagat cttcaaagcc cagggaacgc gcaacgtcat cttcacggcg 360
 tctgtgagcg cgacgctggt gaatgttccg cagaagcaag cggcagtatg cggtttctct 420
 tgctcagcaa ctgcagcgag attgctgacg gtagcagtat aa 462

<210> 4953
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 4953
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 ctccccttcg ccgcgacgaa ccagcccca tcccatcaag caaccactgc cgcagcgcaa 120
 catactcccc ccgcgaatgt cgccagatat tctccctcgc gacaacaaac tgcgcacagc 180
 actgcgaccg caccgcatcg ttgcgccccca gcgtcgcagc aagatacccc tcccggttgt 240
 ccccacaaa caacacccct agcgcgcccg gcagcgccgt atccgacgcc gcgcgcgcac 300
 tccacggctc cagcacagac tggaccgat tctccagact gccctgcggc gcggcggacg 360
 cagcgcgatg gctcacgctc cagtcgcagc ggaggttatg gtaccctgtg ggttcacagc 420
 cagcggggat gttga 435

<210> 4954
 <211> 492
 <212> DNA
 <213> A.fumigatus

<400> 4954
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 acaactccct ggacttgtac atcgcagatc acaccgtccg tacaaccgac aataacactc 120
 atcggccttg gggcagcct gctcattcaa ccgccccaaa tccaccccat cccagtcctc 180
 cagtcctcgt ccogtccccg tcccagtcct ccgatgctcc ggggcaataa acagaatatg 240
 ccataatac gacaaaatcc gccagcaac cctatcatcc ggcggggccg ctccccttcg 300
 ccgcgacgaa ccagcccca tcccatcaag caaccactgc cgcagcgcaa catactcccc 360
 ccgcgaatgt ccgcagatat tctccctcgc gacaacaaac tgcgcacagc actgcgaccg 420
 caccgcacgt ttgcgccccca gcgtcgcagc aagatacccc tcccggttgt ccccacaaa 480
 caacacccct ag 492

<210> 4955
 <211> 1590
 <212> DNA
 <213> A.fumigatus

<400> 4955
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 aatccgcgag attttgacaa tgctcggcga acatgttctc aatggatgcg tgccagtctc 180
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 aagcacgggg cttctgcgcc ccattcagtt gctggcagtg tcatgaacct tgattcgaga 480
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 gctgcgtatg gcgaccgatg tgtactatac tcagtacctg tggatgtgta caacgtcatc 1500
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 cggggctgga aggagccgct gccatcacia 1590

<210> 4956
 <211> 1062
 <212> DNA
 <213> A.fumigatus

<400> 4956
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 tgggttggtca atctgctggt tgcagtgatc acgcactcat tccaagtcat cagagaggag 180
 agcaagcgaa gcgccttcgc tgtccagaaa ctcgactcgc tcgatacggg gaacacatct 240
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 cagatacccg cagagaacaa tgggtggtgac gagatcgata tcaactttgc tgatatatat 780
 aattcgttcc tcggcatgta tcagattttg tccagcgaga attggactac tatgttgtag 840
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agttttgacg	tctctgaaga	cgagaaacgg	ttgcagcagg	tcagggcatt	cctggagcag	1020
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<210> 4957

<211> 306

<212> DNA

<213> A.fumigatus

<400> 4957

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gctagccagt	cgagagatcc	gtacacctgc	ggactcacgg	ggaagtccca	ctccgttccc	180
caggttactg	aacaagtcca	tcttttggcg	cgtgcgcttg	ccagagagct	gaattgggca	240
ccgaacagcg	gtaccgaatg	ggacaagact	ctggcaattt	tcagcttgaa	cactgtaagt	300
acttga						306

<210> 4958

<211> 414

<212> DNA

<213> A.fumigatus

<400> 4958

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aacgctgcat	attcggcggc	tgaactgaag	catcagctgc	ttgactccaa	ggcaaaggcg	120
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ggactgggct	tcaagaccgt	gtcgcaattg	atagagaagg	ggaaattgct	ccccaaagtg	300
gaaagggtga	attggagcgc	aggcgagggc	gctcgtagaa	ccgctttcct	gtgttactcc	360
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<210> 4959

<211> 1575

<212> DNA

<213> A.fumigatus

<400> 4959

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acaaccatgt	acggcaccct	gctggatcag	aagggtgttg	agtcattggg	agagaagacc	180
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gatgtctttt	tcttagaggg	cccaaaggta	ctctttcaag	tcgggtctcg	catcctgcgc	360
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aatcccaagg	gaagctcctc	cgtcacaaag	cgccgggata	acgaccacga	tgccgggatgc	1560
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<210> 4960

<211> 420

<212> DNA

<213> A.fumigatus

<400> 4960

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tgggaggtga	cctcagggtc	cttgtacctg	cggctgaggt	ctccaaagtt	atacactgat	180
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aaccggagtc	tccccgagta	ccctggcctt	caaagtgaag	agggcattgg	ccggcttcga	300
agggtcctga	cagcttacag	ttggactaat	gccgagatcg	gatattgtca	ggctatgaat	360
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<210> 4961

<211> 429

<212> DNA

<213> A.fumigatus

<400> 4961

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gctgtaagcg	gtgccaaaagt	atacatcact	ggctcggacg	gagaaaagct	cgaccgtgtt	120
gcagaattgt	actcgacaaa	tattcccggg	cagatcattc	ccatcaccgc	cgacgtcact	180
agcaagcaat	ccatccagaa	gcttgctgac	gaaatctcct	ccgaggaaaa	agcactgcac	240
attctcgtca	acaacgccgg	catctcgggt	acgacacagg	acaccgacag	tcagagcgcc	300
gaggaactgc	accagaagct	cttcaaggac	gagtccaatt	ccgttgaaga	gtgggacgag	360
atcttccgca	ccaacgtaac	ccagctatat	ttcaccaccg	ctgctttcct	gcccctgctg	420
aataagtgaa						429

<210> 4962

<211> 399

<212> DNA

<213> A.fumigatus

<400> 4962

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tcgagaatgc	tggcgcatgg	gatcgctca	tccaacctga	agattcgggt	caacaacatc	180
gccccagggg	ttttcccctt	ggaaatgacc	gccaacgaca	gcgacgagaa	gcagaagagc	240
tctcttccca	aggagaagta	cgagggcaag	gttcccgcgtg	gaagaccggg	taaggataaa	300
gacatgggca	gcgctatctt	ctccatctgc	aaccagtacc	tgaatgggca	gactatcgtg	360
gttgacggcg	gcttcgttct	tgctgctgga	actgttttaa			399

<210> 4963

<211> 297

<212> DNA

<213> A.fumigatus

<400> 4963

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gtggccgttg	tttttctacg	aaaccagggtg	gatcttgaaa	ccgaggacgg	agtgactagt	120
caaagtctaa	caagggtataa	attcttccat	gctaacaaac	acagatcaac	taaatgtaaa	180
tgctgccaca	tcaaagttag	tatcaatctt	aagtcgtcca	gtccctcctt	gccattgca	240
cccaacctat	ggttgacttc	atatatcgag	ggtattattc	agtatcttcg	cgactag	297

<210> 4964

<211> 663

<212> DNA

<213> A.fumigatus

<400> 4964

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tacatctact	acaactttga	taagccctta	cccgagcctt	ccggcctgca	gctactggtc	180
tgcgggcttt	taactgtgca	cttcgtcaaa	cgagagctcg	agactctctt	tgtccaccgt	240
ttcagcaatg	ccactatgcc	cgtcggccac	atcttcagga	acagcgctca	ctactgggtt	300
ctcgccggct	tcaatatcgc	gtactgggtt	ttccgccccg	acgcggtg	tgctactaac	360
gaacccaacc	cagccctcct	ctacagtggg	cttacgcttt	tctgtcttcg	cgagctggcc	420
aacttgaata	cccacctggg	gcttcgcat	ctgcgtcgac	ccggtactac	cgagaggggc	480
atcccaaccg	ggttcgggtt	caaccttgtg	acgtgcccc	attacttgtt	tgagatcatt	540
gcctggattg	gcgtctatct	ggtcagcgga	atgagttgga	gtgtcttgtt	cttcatcact	600
attggtgggt	ctacaatggc	tagcgtcttc	accacggggc	tggaaggatc	cgcgaggcg	660
taa						663

<210> 4965

<211> 534

<212> DNA

<213> A.fumigatus

<400> 4965

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tttcacccca	cagggttgaa	ctcgaccact	cctgcttcca	cctcaactgt	cgttgtctac	180
ccgactccga	tcgagtcctc	gtccgctgct	ggtgactcga	tctctgcaat	cacctcaacc	240
accatccctc	tcagcactgg	tgctcctgga	tctggtgatt	ccggcgacga	caatggtggc	300
caggacgtca	ctatcactta	cactctgggt	tctggcagca	ccaagtcagt	cgtcactact	360
actatccaca	agacttcaac	tgatcttcac	actgtcttcg	ctgtatgttg	cattgatcat	420
attacactac	ttttgtcaca	ttgcagccga	ttgactgact	ttctgtatcg	tagacttcct	480
ctgcggtatc	taccaccaca	atctcttcca	cctctaccac	caccgctacc	ctga	534

<210> 4966

<211> 444

<212> DNA

<213> A.fumigatus

<400> 4966

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tccggtcttc	caccactctt	cgggactctc	ctcgagcaac	gagaccaagc	caaacagcac	180
cacgaccaca	tccgcaaatg	tctgatgctc	gaacctcgcg	gtcacaacgg	gatgtacggc	240
gccatcatcc	gccccgagac	cgagctggtc	tcatccgggg	ccgcgcacat	tggggctctc	300
tttatccaca	acgaagggtt	ctcgaccatg	tgcggaacg	caaccatcgc	actggggccg	360
ttctctgctg	acaccacgac	tactctgtat	tcctctcgcc	ccaggacctc	gtcttcgagg	420

cagacacgca gaccgtcaaa ttag

444

<210> 4967

<211> 594

<212> DNA

<213> A.fumigatus

<400> 4967

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aacatcttga	gccgggggtt	cagtgaggcg	gagggcctcg	aaggaaatgaa	catgtccgaa	180
ttgcgaatct	ctatcgaaga	actaaccaaa	cgcattgtgtc	ccttccaacc	cccgccacct	240
ccagtgcct	acgatgaggc	caaggatgcc	agcgccacca	gagagacctc	cagcttctcg	300
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gcatccctt	tgcgtccccc	gcaggacctg	gaggctcccg	gagccgggga	gaacgatgct	420
atcatcgaca	ttccccacgg	gtcggataac	tcatacatcg	agcgctcgcg	cgataacaac	480
accatgcatg	ccatcagcac	caggagacgg	cgcaagctaa	agatgaagaa	gcacaagtgc	540
aagaagctgt	tgcgtaggac	gagaacctcg	cgacgcaagc	tggacaaggc	ttaa	594

<210> 4968

<211> 690

<212> DNA

<213> A.fumigatus

<400> 4968

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cttgcggtgg	ctgagctaga	gaacgctgta	acaccggaag	ttgcatatga	tcccctgatc	120
cagctgtatt	accagacttt	tcaccgctcg	catccgctcc	tgatcccaag	gaaagcactg	180
cactctcact	tagtcgcgaa	gataaccaca	tacatcctct	caatcatgcg	cttcattggc	240
gctcaccagc	accatgatcc	gtccctcaaa	gagctctttc	gccaatctgc	ctattccgtg	300
ttgtccgcct	tgacgcctcg	cgacggattc	atgggttcagg	gaatggctct	tctcgccatt	360
gtggagcatg	cgcggtggcg	cgaagacagt	gcaaccgcta	ttatgcaggc	tgccgttaac	420
ctggccttgg	aactgggtat	gaacaaagcc	gcattcgcg	ccgaacactc	tggcggaaat	480
tctattctcg	aggagagttg	gcgcggaact	tactgggagc	tgtactttgt	ggacggattc	540
ttggcggcaa	tgcgtgatca	gagcgcgctc	caactgttcc	atagccctgc	agacgtgagg	600
ctgccttggt	acgaagagct	ttataactcc	ggggacgtgg	tacgtcgctc	taagtgtcct	660
tctgggcgcg	ccccgctgat	tacctgctag				690

<210> 4969

<211> 759

<212> DNA

<213> A.fumigatus

<400> 4969

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gaattgaacc	gatcgctgga	tatcgacctc	gatactcaga	tcgaaacat	cgacgctgtg	180
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ggcctagatg	aaatgacctt	tcaagctcaa	atgacgagct	acctgtgcgt	gcatcaccta	300
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ttggttgtct	ccatcccaga	gaagcaggag	tcgattaagg	cgagaatcca	gcttgggggtg	660
ggcgcgctgc	atgtgctagg	gaagttgtgg	ccactggcga	agacgggttag	acagcggttg	720

atctccatgt atcaggagct tgggttgcca tgcagataa

759

<210> 4970

<211> 381

<212> DNA

<213> A.fumigatus

<400> 4970

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atggattcgt	ttgagaacat	tcacgcctct	aagaatcttg	agcattctaa	agatgggtta	240
ctgactaacg	ctcttacagg	tggtcgtgca	gaattcccag	tggtgtgtca	ggattctcca	300
tgcggttcat	ttgcaaattt	gacattcggt	gatatcgatt	ctcaagtcct	atttgggcac	360
ctaggcaagt	atgtgtatta	g				381

<210> 4971

<211> 663

<212> DNA

<213> A.fumigatus

<400> 4971

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ttcttcattc	tcacctctcg	ctgtatcacc	tatttcttta	actatctcga	tcgcgcaa	180
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aatgtcatca	ataccatctt	cacggtgggc	tacatcctcg	gccagggtcc	cagcaacctg	300
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atgtttggcg	ggttcatcca	gacgggtatt	cattcatcgc	tggtgggggt	cagaggactc	600
tccggatggc	gatggttatt	cattgtaaga	tttctgcttt	cccaaatgt	gatccgctgc	660
taa						663

<210> 4972

<211> 246

<212> DNA

<213> A.fumigatus

<400> 4972

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ccagccacca	ctcgcgtccc	atatctgacg	gagtcggagc	gtgcgttagc	catctccaga	120
ttgcccgtga	ccaatgccga	gcgtgcccc	ttgaatcggg	ctttcatcaa	acgcttggtc	180
accacctggt	actggtgggc	gtttgtcatc	ctctgggtga	tcgccggcga	gaccgagtc	240
ttctca						246

<210> 4973

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 4973

acgatggagc	tctactccgg	ccttagacgg	ctcctgagcc	ggaagacgct	cacaggaagc	60
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ttgtacaggc	gtaatttctt	ggaaaattat	tccgataccg	aaacagcaca	gttttagcttc	180

ttcaccacca	agctggactc	ggtgatccat	gcaccagca	tcaactcttt	ggcatcgatc	240
tatggacctc	tccacacgct	acttgacagt	ggagagcatg	atggaatctg	gtgggttgac	300
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atgggtaca						1149

<210> 4974

<211> 294

<212> DNA

<213> A.fumigatus

<400> 4974

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ccagtcactg	atattctaag	ggcttggttc	catgaacatc	tgaccaccc	ctatccgagc	180
gaggaagata	agcagatgtt	tatgactcgc	accgggctta	cgattagcca	ggtagtttt	240
ccagcgccat	ttttctcgac	cccattcact	gatgacttgc	gcactgcaga	ttag	294

<210> 4975

<211> 456

<212> DNA

<213> A.fumigatus

<400> 4975

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ttcatcgtgc	cggatatgct	gaggtattac	atctatactg	ttaatgtggg	ttacgtactg	180
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aatttttttt	tttcgttggc	gtttctttca	tgtgggtttc	gtcattcatc	gttcctaattg	360
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<210> 4976

<211> 210

<212> DNA

<213> A.fumigatus

<400> 4976

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aagatgttga	cttgtccgat	attagccctg	agagttcagc	tgcagagggt	taccagggag	180
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<210> 4977
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 4977
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 aaaaaggatc tgggtctctat ggctaaggaa attgaagatg acgacggaat gccccagttt 120
 gtagacttta tttctagaat gctgcgctgg aggcctgagg accggactac ggcagaggac 180
 ctgctttccc atgcggtggct tctggcgta ctataa 216

<210> 4978
 <211> 360
 <212> DNA
 <213> A.fumigatus

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 ctggacgacg gggacatata cttatccga aattactggg gactgtcacc cgccgaactg 180
 ggcagatcgg taataactga ctttggactt gccgtacgtg gtgacggcgc cccgaacagc 240
 caccocatcc agccagagga gtatcggggc ccagaagttt gtctcggggc tgattggagc 300
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<210> 4979
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 4979
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 cgtaacatcc acactgtcga cgagctctac atccgcagca tcaccaacgc atacatcgac 180
 tcaacccct ga 192

<210> 4980
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 4980
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 tgtgccacgg cagtcttcag caagtgtgtt cccaaaaata ttcagatttc tagcttgagc 180
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 ggcacagtg tgggaacctg tgttcttcac ccaatctgca ttgggctata tgggtgtgatg 300
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<210> 4981
 <211> 1638
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (153)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4981

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ctaccggagc	tcgaggactt	cctacgtacc	accaacgtgg	ccgacgtcga	aacgtctggt	1320
gacaaggcct	atgctgaagg	ctaccaccag	gcagccaaga	tcttctatac	gagcatctcc	1380
aactgggcca	agcttgctac	caccctggtg	cacttggaag	actatcaggc	tgcagtcgaa	1440
tgtgcacgga	aggccaacag	tgtcaagggt	tgggaaggga	tcaaccaggc	ctgtgtggac	1500
aagaaggagt	tccgtctcgc	gcagatttgc	ggtctcaacc	tcatgtgtga	tgccgaggag	1560
ctgcaggatc	ttgtgcgcca	atacgagcgc	aacgggtact	tcgacgagtt	gatcagtggt	1620
ctcgaagctg	gtctggga					1638

<210> 4982

<211> 450

<212> DNA

<213> A.fumigatus

<400> 4982

cggttgaatg	tagcactaac	tggcgagcgc	tgcgtcaaca	ccatcgggcc	tacgcttggg	60
ggagggttgg	ggccctctta	cggcattcgt	ggcccgagg	tagattctct	tgtgtccgct	120
cgcttggtaa	cagcttccgg	ggatgtgata	actgtctcca	ggagcgagaa	tcgagatctc	180
ttctgggcta	tcaggggtgc	tgggtgcgaac	tttggtatcg	tcacgtcggc	cacctacagg	240
atctacgacc	agaccaatgg	tggaatggct	gtgtccgccc	agtttgcctt	cgcgcctgcc	300
gtcaatcgct	cggtattcga	tctgatggaa	tccatgaatg	atgagtatcc	cctgggggatg	360
tctgggggga	tgatactcag	ctataatcat	acaaccaacg	aggtaactat	ccttctgggc	420
tcccccttga	gcttctcttc	gtgtccttga				450

<210> 4983

<211> 366

<212> DNA

<213> A.fumigatus

<400> 4983

ccctcggtcc	aatggaatct	cttgttcatg	gggtccaatg	aagatgcccc	gccgtggctc	60
gacaagatcc	aggccctggg	tccgatcgac	tcgagtatcc	gcaacgtccc	gtggcatcgc	120
agggatgaac	ccgaagtgcc	atattgtgag	agaggacaac	actatatcct	ttacaacctg	180

aacctcagaa	gaacagatgc	agccactttg	cagtcctact	tcgatagctt	cgtcgaacttc	240
tcctccaaaa	acccctgggt	cgattgcat	ctcatgtatg	aacggcaggc	gaccgacgcc	300
gcgctggcag	tgcctcttag	cgagagggga	gtagggccat	ggcgggacag	taaaatcaat	360
gcgtaa						366

<210> 4984

<211> 387

<212> DNA

<213> A.fumigatus

<400> 4984

tgctacattg	caacgttagt	gagctgtatc	tgcttataca	tggaactcaa	gctgagtgtc	60
gggcaaaaag	atgtaagagt	ttgtaccggg	ctctttcccc	acggaggaca	gaaggtcata	120
aagctgggca	ttttccaccc	cgggtccgat	ggtgaccacc	tcattgtcaa	ggtccagatc	180
gatgaagtca	agcagggtca	attcgatatt	tatggcattt	tgacattgc	caaagttcaa	240
ctttacgccg	tgtccgccac	cagttgcgaa	aaaagttata	ttgtgcgagg	cagcagtgga	300
aacctgatat	tctctctgag	catcaccggc	gccgcattct	ttgcttcttt	ggtagatgtg	360
ctcacaattg	cttggattat	cttatag				387

<210> 4985

<211> 183

<212> DNA

<213> A.fumigatus

<400> 4985

ccggtctacc	tcgaaggcta	ttttttcaag	atgtgctcgc	aatacttcta	caagtacgac	60
tgcggctgca	ccctcccgga	gggtgatgtt	gtctactgcg	ccaagcgagg	cacctcttgc	120
accggcgta	gacagcagat	ccgacgccga	gagggatata	actgccctgc	ccatggtgga	180
tag						183

<210> 4986

<211> 210

<212> DNA

<213> A.fumigatus

<400> 4986

ctgcggcaag	ctggtggcag	gtcgaaccgg	aaactccgca	tcctgttttc	tttcaaggca	60
ctcaacagcg	agcttggcgc	aaagaaaatg	cgccacaaat	tgatcgtttt	ctttgacgga	120
gaaacgcaat	cgccctctcc	cccacgcctc	gtcaagttga	tgtacgattt	tgagattcgt	180
tcctctactg	ctcacagact	gctgatctag				210

<210> 4987

<211> 510

<212> DNA

<213> A.fumigatus

<400> 4987

atctcaaacg	cgctccttac	ctttgcgcgc	agtgcagtgc	aaagatcaag	ttacgcgtcg	60
ctataccgcc	cacatgtcca	gccactggcg	caattgaaca	gccagcgccg	tcaccagagc	120
cagacgatac	gggccgatcg	tccgtttcgc	ggtgccattg	tagggtcagg	acctgctgga	180
ttctatgcag	cctataggct	gctctcaaag	gtcgaggatg	ccatggtaga	tatgtatgag	240
aaactgccgg	tcccctttgg	cctggcacga	tatggagtgg	cgccggatca	tccggaagtc	300
aaggtacgct	caatgccttt	aagcacgcct	tcggaaacca	tggtgattcc	attttggtcaa	360
atagaactgc	gaggaaaagt	ttaccgaagt	ggcagcatct	ccgaggttca	actttatcgg	420
caacatcgaa	ctcggcacia	atctccctct	caaagcgctg	aaaccacatt	acgacgccat	480
tctattcgca	tacggggcgc	cgaaagataa				510

<210> 4988
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 4988
 aactgcgagg aaaagttttac cgaagtggca gcatctccga ggttcaactt tatcggcaac 60
 atcgaactcg gcacaaatct cctctcaaa gcgctgaaac cacattacga cgccattcta 120
 ttgcgatacg gggcgccgaa agataagaag ttgggtatac ctgggtgagga tgcacttcgg 180
 aacgtgtact cggcgcgaga gtttgtgggg ttgtacaatg gcctcccgga gcatcgatgat 240
 ctgcgcccgg atcttacagc cggtgaggat gctgtgattg ttggccaggg aaatgttgcc 300
 ctagatgttg caaggatact gttgtcggat atcaatactc tacgaagcac agatatcgca 360
 gagtacgagg tgggaagagtt ggtcaggagc aagatcaagc gcgttcgggt tgcggccgt 420
 cgcgggccgt tgcaagtacg ttggacaagt tttccacggg atgcaatgct aatctgctct 480
 tag 483

<210> 4989
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 4989
 gccgccttta caattaaaga gctcagggag cttcttcagc tgccttctgt gtcgtttgat 60
 cccgttcttc gagacctctt tccaccagac gaggttatat ccacgcttcc tcgggcacag 120
 aaaagattaa tgcaactgct ggcaaagggt tcgccaatg atccaatac cgcgagcaag 180
 tcatggtctt tagatttctt tctttcctcc ggaatgcctg aattgggtcac ctgtctatcc 240
 tttccgcctc tcgtccgtca gggtctcccg catagaactg gatccgagca atcctcacac 300
 acctag 306

<210> 4990
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 4990
 atttctcttct ttcctccgga atgcctgaat tggtcacctg tctatccttt ccgcctctcg 60
 tccgtcagggt tctcccgcac agaactggat ccgagcaatc ctcacacacc tagtgccaag 120
 attacaccaa agtacctctc aagcggggaag cgggcgcaag tcgacatacc tgccaacact 180
 ttcttccgca gtgtgggcta caaatctctc cctctgcctg ggttgggaaga tctaggcatc 240
 cagttcgatt ctgatcgagg ggtgctgccc aacgacgggt ttggtagaat taccgtcccg 300
 accacttcag ggggtaatat gcgattgccc gacggttcgc tgatctccca tctgcctggg 360
 ctccactgtg cagggttggtg tcttaacgcc ggggatggaa gtattcgctc a 411

<210> 4991
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 4991
 ttgcggaagg gcagagtga ggcgatcgctc actcaagcat acattaatga catctttgcc 60
 agtctcttgc ctagcatcgg cgatttgctg tcgcaccaga ctaacaattc gctctatgac 120
 aggatcaaag atggagcgca ggtcggcact aacacgagtc agcagcacat tgatcgacgt 180
 cagtaa 186

<210> 4992

<211> 312
 <212> DNA
 <213> A.fumigatus

<400> 4992
 acttcaggag gcaagtgcgg atcgactgcg gtcgaccgca atttctacaa gctgatgtca 60
 gaccgtttcg gcgatgcgtt cgaccgttta cctcgaaaac ggaaaagtcc tggcagtga 120
 tttatgagga agtttgagat catcaagaga gactttggaa attctgacga agataccact 180
 ttcgagttgc ctctgaatat gaccgtggat aatccagatc cagagttctt cgatgaagag 240
 gagcgattag tccttatttc caggtagga acccttactg acgtcgatca atgtgctgct 300
 gactcgtgtt ag 312

<210> 4993
 <211> 708
 <212> DNA
 <213> A.fumigatus

<400> 4993
 aatgtgagtt tgagctttcc ccttggcacg gtcccagcgg ctaatgctga cgataatagt 60
 gtgctgacca ctccctacca cgccgtccag ttcttccgca actcgaccg tcacaccaaa 120
 gcagtgaaca atgattccgg ctggttgttt ggagaggtcc ttggcgtctg tgtcggctta 180
 ctcatgtgca ccgactggaa acgagtcggg cagcaggtcg aagacggctt ttcacgcca 240
 actgcggctc ggtatacggg tgacctggtc tttctggccc gcgaatatct ccaaaatacc 300
 ctgctcgcct catctgagca gagcctcgaa aacaaaggaa ttatccacgt tgagccagct 360
 aagactctac agttctatcc ctttctgtcg gtggcgcaga tcttggtcgg acgcttgagc 420
 ccgatgcaac gcaccagct gaccacgctc gctccgttgc gagaagagtt attcaaggag 480
 gtcattcggg ggggcatcaa tcgctctcc atcgcgctt ggttcaagtc acggggagtg 540
 cgcctcttga acgaattcca aacgcagtgg gaacagtttgc tgaagacgc ctaccatgca 600
 gccgtcaagc gcaaccaatc ccctaggcca ctggtcatcg gtctttggga ggcctaccag 660
 gcggggacca tcagcaaacg cgaagtaagt gcttgtcccg acacatga 708

<210> 4994
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 4994
 tcaacgttgg gctgtgttga caaatccttc atcctgcaga tctccatcct cctttgtatg 60
 tctgatgagt actccgtacc ctgggggtggc caattcgagt tgttccccct cgagcatgat 120
 actgccagca gacctaccta cttgttctcc tcccctgaac cattcctaga gtcgaatacg 180
 tatgcttcaa gatcttctcg gcgttgcatc ctgggtgggg gtgggtcaat taacggccgt 240
 ccttatgcc 249

<210> 4995
 <211> 600
 <212> DNA
 <213> A.fumigatus

<400> 4995
 atctggtatc gaataatgcg cggatcggaa ctgattttga ttcccgtagg gcttccaacc 60
 tcgatactgg gaggttcttct ctacatatgc cttaatgcct cgtacacggg ggcgggtttt 120
 acggatcccc ggtcgccgct gacgactggg gccggtcggc atcaatacag tgctctgccg 180
 gtctctgagt tgcctgagta tacggcgtac acggtgagct cgactggggg atcgcggtat 240
 tgcaaaaaat gtcagtgtcc gaagccggac cgggcacatc actgctcgac gtgtaagcgg 300
 tgcgtgctga agatggacca tcaactgtccg tggcttgcca cttgtgtcgg gttgtacaac 360
 tacaaggcgt ttctgctgtt tttgatctat acgtcgctat tctgctgggt ggattttgcg 420

gtgtcggcga	cgtggatctg	gacggaggtc	ttcaacgatg	ctccgtatct	agagacgatg	480
ctgccgggtga	atgtgggtgtt	gttggctatc	ttgggtggga	ttattggact	ggtgctgacg	540
gggttcacgg	cttggcatat	cagtgtctgt	cctcaccacg	tggaagaagc	acgccgctag	600

<210> 4996
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 4996	
caaagtcagt	gctcgaatct
gtgtgagatca	ttatggaata
atcaagtaca	tggatattaa
gtttttggact	tggagacatc
	aagcagataa
	60
	120
	180
	210

<210> 4997
 <211> 2364
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (698), (709)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4997	
aatgaggtgt	ttacactttc
cccacgggtg	ccccagcaac
cgtgggtcat	cgcataagca
tgttctgggc	cggcttgtga
gacttctttc	ccactgcccc
cgaccttgcc	ccaaggatcg
tcgtcctgct	ctcctggagc
gtatcagtat	cggaaccggg
acgaacacgg	acataacggg
cgtgcaacgc	aggtgaacga
tcgtctccgc	ctcgcaagtt
gaatcgaaca	agtttgcaac
ccaactccac	ggtcgcaaac
gaccccgatc	ttgagaaaag
tttgtgggtga	atgaacaaga
actcgaggtg	ctggctgtaa
cagtggccct	atgacactgc
actggcttcg	atcctctgac
gagatttcag	aaataaataa
tcagtcaagt	acaaagacag
gccggccaggc	gagcctatgt
cgggttgaac	tagatcgaga
tctcagcgaa	tgggacataa
gcaaaaaaga	atgaaccacc
ccggtagacg	ctgtacctga
ctgatagagg	aaacacccat
cactgctacg	ttcctgtttt
tttgactgga	aagacattcg
aggcgtgggtg	aggaggaaac
acttacatca	tgaatatgga
	aagccagccc
	tatggcaatc
	ccaactatga
	gcgaagtccg
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	840
	900
	960
	1020
	1080
	1140
	1200
	1260
	1320
	1380
	1440
	1500
	1560
	1620
	1680
	1740
	1800

agcccagaac	gactccaagc	agagcgacgg	gaacggggcag	agagagaaag	gctgaagaaa	1860
gaggcggatt	tggatctcga	ggaagagaag	aaacagcgag	cgattgattt	ggacccatgc	1920
agagaagtcc	tggctctcat	cgcccgcat	ttgaaagata	aacttcttga	ggatgtcaaa	1980
tcacgcacgc	ccgccccaac	attgtatgac	tatctcgacc	ctgacagaca	tgcagcaagg	2040
aggcgggctc	tgggcattcc	tgatcctgag	gggatcagaa	aacatacttt	tcgactcgat	2100
gctgataatt	ttggatccaa	caatccccgg	tccttcctac	caggcgaccg	ttcggttcagc	2160
ccatatggcc	ttaacatact	tgcgctccca	cgtatccgaa	aagctcgtcg	tttgaaacgt	2220
gccaatgctg	ccttcctaga	tgagaagcgg	aagcagcctg	ttcggagaaa	ggaaatacgt	2280
cctctctatc	acagaatgca	gcagttgcat	gatgtcgacg	actctgatga	ggaacaacgt	2340
tctccggtcc	tccaaggatt	ttga				2364

<210> 4998

<211> 276

<212> DNA

<213> A.fumigatus

<400> 4998

gggaggccca	cctgcgccgg	cagaccgcgc	gccgcccgtg	cggccatgtg	ccccagccaa	60
ctggctactg	cccttcgtca	ccaggcggcg	gcggcgcgcg	ggtccccgcg	gccatctcgg	120
cgggccaaact	ggcgagagtc	catggaggtg	gagatcccga	ggggaccggc	cgtcaccggt	180
gccccccgcg	gtctccggag	aaaggtgtct	gggccccctt	ccaagcgccc	ggcgctgccg	240
ggcccgttga	tgggaggtgt	ttgccaaaca	atctag			276

<210> 4999

<211> 579

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (504), (514)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4999

ggaagggagg	taggtgatag	ggacgtgggt	cacaaggaca	gcgtactggt	gattgatgat	60
gtaggcatgc	tcgcccttag	gcagcttccg	gagccaggcc	cttttcattc	caggagagggc	120
gcgcccgcgc	tgacgcggaa	tgggtatata	catcaaggtc	gccgctacga	agcacctggg	180
ccaccgctac	ctgcacaccg	gctaggggag	gcccacctgc	gccggcagac	cgcgcgccgc	240
ccgtgcggcc	atgtgcccc	gccaactggg	caactggcct	cgtcaccagg	cggcggcgcc	300
gcgcgggtcc	ccgcggccat	ctcgcccgcc	caactggcga	gagtccatgg	aggtggagat	360
cccaggggga	ccggccgtca	ccggtgcccc	cccgcgtctc	cggagaaagg	tgtctggggc	420
cccctccaag	cgcccgccgc	tgccggggcc	gttgatggga	ggtgtttgcc	aacaaatcta	480
gccaaggatc	gggctgacgc	tcancgactc	gtancaacaa	ggctacttga	ccgcttacac	540
gaccgcgttg	gtcacttcag	tcgtctgcag	aggattcat			579

<210> 5000

<211> 480

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (43), (53)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5000

agtgaccaag	cgggtcgtgt	aagcgggtcaa	gtagccttgt	tgntacgagt	cgntgagcgt	60
cagcccgatc	cttggctaga	tttgttggca	aacacctccc	atcaacgggc	ccggcagcgc	120
cgggcgcttg	gagggggggc	cagacacctt	tctccggaga	cgcggggggg	caccgggtgac	180
ggccgggtccc	ctcgggatct	ccacctccat	ggactctcgc	cagttggccg	gccgagatgg	240
ccgcggggac	ccgcgcgcgc	ccgcgcgcctg	gtgacgaagg	gcagtgacca	gttggctggg	300
gcacatggcc	gcacggggcg	cgcgcgggtct	gccgggcgag	gtgggcctcc	cctagccggt	360
gtgcaggtag	cgggtggccca	ggtgcttcgt	agcggcgacc	ttgatgtgta	taccatttcc	420
gcgtcagatc	gggcgcgcct	ctcctggaat	gaaaagggcc	tggctccgga	agctgcctaa	480

<210> 5001

<211> 624

<212> DNA

<213> A.fumigatus

<400> 5001

tgttggcttc	aaccatgtca	gccgggacaa	caacagccga	agccgcttcg	ttgcatcata	60
acagcccatg	atcctaaaag	cggcaaagct	gtcttcagca	acgccattag	tgaacaggta	120
tcattctctg	gatttcctgt	tccccggggc	aagccaccgg	cgacagacta	tgttctggcc	180
tacaatacaa	atgaattgcc	tgtgaaagg	ctttcgcctc	caagttctac	aaaccgggcc	240
tccaaagccg	atctcgacat	caagcattat	cagtcacctc	tctcgcagcc	gtctcctttg	300
cctccagtaa	acggtacatc	ctgcaccatt	atcgaggtag	caccgggctc	ggcgggtccc	360
atgcaccgaa	caacaactct	cgactatgct	gttataatag	acggcacaac	agaattagtt	420
cttgattccg	acgaaaaaaaa	agtattgaaa	aagggcgatg	taattgttca	gcgaggtagc	480
gctcatgcct	ggcggaatgt	gactgaacag	agtgaacatt	ctggtgtcct	gcgtatcttc	540
tttgtgtttc	tgcccattga	gaaggtgcaa	gtggaaagcg	gactcattga	tatggacttg	600
actctgtctc	tgaacagac	ttga				624

<210> 5002

<211> 231

<212> DNA

<213> A.fumigatus

<400> 5002

acgcttatca	tcgatccccg	gcgtgtcgat	aaactagaat	gtaccgcatt	gatctctctt	60
tccattgttc	gccacggctt	tctaccgagt	acgacgatgt	ctgaagagaa	gcccccaac	120
gcggccaaa	accaggacaa	ggatgacatt	gtctacccaa	ccggtctcaa	gctcgtctcg	180
ctgatgacat	ccattttcat	tggcatgttt	ctggtttccc	tcgtatggtg	a	231

<210> 5003

<211> 681

<212> DNA

<213> A.fumigatus

<400> 5003

ccgctgcagg	accgactcat	catctcgccc	gcgattcccc	agatcaccga	cgagttccac	60
tcagcaggag	atattggctg	gtatgggacg	gcgtacctcc	tgaccaactg	tgcttttcag	120
ctgctgttcg	gtaagggtata	cactgtattc	agcatcaagg	ccaccttcac	gacgtccatt	180
gtcctgttcg	aagtgcgttc	ggctctctgc	ggcgcggtcc	caaactcgat	cggattcatt	240
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attgtgtatg	cgctcccact	gcacaagcgg	cccaagtatc	agggggcctt	tggggctgtg	360
tttggggctg	cctcggtggc	tggcccactg	ctcggcgggtg	cctttaccac	caatgtcacc	420
tggagatggt	gcttttatat	caatctgccc	ctaggagcag	tagttatcgc	gaccaccctt	480
ctttttttcg	aaatacccca	ccatcagaac	gccccgaagc	cgctgaaggg	gaagctgcgt	540
cagctgaacg	gacttggagt	acttaccatt	atgcctggag	tcgtttgtct	ttgcttggct	600
ctgcagtggg	gtggctccca	gtatgcagta	cgttctcatt	catcactggc	tttgttcacc	660
actggtattg	actgcgtcta	g				681

<210> 5004
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 5004
 tggggagagg gccggatcgt cgcgctgctg gtgctgacct tcctgtgtct gatcgcgttc 60
 gtcttgatcc aggtatggaa gccagagcag gcaacgctgc caccacgagt ctccctacaa 120
 cggagcatcg cctccggttt ctgggcgagc tgctgtttcg gcgcacacat gatcgtgttc 180
 ggtgagtcgg ctggatttca acctccactg atgggatccg cctgctaa 228

<210> 5005
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 5005
 atccaatgcc gatggatcgg tatatcggca ttgcggccct gttggacgac ggccactagg 60
 aggaacaaaa caactgacga tatgaacttg acaggcaact ccggcggttg cctgtctcag 120
 ttccgccaca acctcccccc caagtccttc ggtgctaccg tccgcgtcat gctctacccc 180
 tccaacatct aa 192

<210> 5006
 <211> 558
 <212> DNA
 <213> A.fumigatus

<400> 5006
 atgcgttttc cttccagccg ggcggttaag acaaactctt gtggcagcat gtcccttctg 60
 gacttctggg acacattgcg cctcccgtg aagcgcagga agactacccc taaagagggt 120
 caagagagtc ccagaacagt cgcacttcgg aaggagggat ccagaatcaa ggaaaacgaa 180
 atcgatagct ctgatagtcc atcagatata tgggattccc tgccctcggc tcaagttggc 240
 gattttgctg tcgaggacga gagcttggtc ccaaacagtc agacagaatt agagtcttcg 300
 ctaccagata ttcttacaga tcaacaagct atcgcggagt atgaaacttc gcatgtggta 360
 ggacaagatg acgagcctaa tctgcgccag aggcttcaag acggcacaatg gcggaaggga 420
 aagacttcaa tctatgtgga tgcattcaat ctggcactgg aaactgtgct ggacgaagaa 480
 gccacctttt tcaatgaggg ggagttagag gtttttgaac aatggaaagg gctatcgtat 540
 gagtcccaat acttgtga 558

<210> 5007
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 5007
 caggtcggtg attttcaacg attacgaacg cctcaacaag cgggatacaa gtgggctccc 60
 aaatccttgc tcaactttcg gactcctcaa ttgacctgcc ctgacgaaaa gaagactgct 120
 cctcttgaga aggacaacgg cccggttagg ccttcgggtg tcgttatcgg ggctattatg 180
 ggactttgcc tattaataaac ctgccct 207

<210> 5008
 <211> 684
 <212> DNA
 <213> A.fumigatus

<400> 5008

aatgaaggcg	tccctgcagg	agacaaagac	cgcaagcgca	aggcgatccg	gaatatgagg	60
cacgtctatt	caaatgCGaa	agcggtcctg	gtcttgga	agttcatcca	gaaaatccca	120
tccactgctc	cagcgttgga	taaagtcgct	cggctgtatc	tgtccaactg	gaccaagcgc	180
ctctggactc	accaagaagg	gtttctacca	tccttggtat	acatacagtt	ctccgatcgg	240
ccagtcgagt	tacgcgcgct	ggcagaagag	ttcatgacct	ataatcgtga	acacctggaa	300
aagtcaggaa	agtatctagg	attcccgttc	gcggcgaatc	taaggctgct	cgacctatac	360
tccgcattga	ggggctctcat	gaagctagtc	aaggaaaagt	ggatgctcta	tgaacctctc	420
gcgcattcatt	tgtcaccacg	gaggagcaca	cgactcgcgg	acgaaacagt	gtgcatggca	480
acgattatcg	acatcgacct	tgacaggatc	caggcgattt	catgcgacga	tgacgagggg	540
gtcgcagagg	agcgcattgg	ggctttcttg	gaacaattcg	ggacgtttga	caggctcggg	600
attttcaacg	attacgaacg	cctcaacaag	cgggatacaa	gtgggctccc	aatccttgc	660
tcaactttcg	gactcctcaa	ttga				684

<210> 5009

<211> 294

<212> DNA

<213> A.fumigatus

<400> 5009

tcattggtcc	caacgttgtg	gtcggcgatg	gcgtgcgtct	gcaacgctgt	gtgctcttgg	60
agaacagcaa	ggtcaaggac	catgcttgga	tcaagtcgac	tattgtcggg	tggaacagct	120
ccgttgga	gtgggctcgc	ttggagaatg	tcacggtctt	gggtgacgat	gtcaccattg	180
ctgacgaggt	gtatgtcaat	ggcggtctct	ttctgcccc	caagagcatc	aagcagaaca	240
tcgatgggat	gttaccactc	gcgctatacg	aacgtcatga	attgcgagaa	ctaa	294

<210> 5010

<211> 708

<212> DNA

<213> A.fumigatus

<400> 5010

caaaccatcc	cttttgcatt	gatcgtttgc	tcacaaaagc	cagttgagtt	tgggtggtaac	60
cgcaattacc	gccgggattc	tacatcctca	cccctagtgt	tctcaagcgc	attgagctgc	120
gtcctacctc	cttcgaacag	aggacattcc	cccgccatct	gcagcgacgg	tcagtccac	180
tcctttgatc	tcgagggttt	ctggatggat	gttggtcaac	ccaaaatttt	cctgacgggc	240
acctgcctct	acctcacctc	gctcgcaag	cgtaactcca	agctgctggc	ccccaacagc	300
gagccgtacg	tctacggcgg	caacgtcatg	gttgatccct	cggccaagat	cggcaagaac	360
tgtcgcattg	gccctaattg	agtcattggg	cccaacgttg	tggtcggcga	tggcgtgcgt	420
ctgcaacgct	gtgtgctctt	ggagaacagc	aagggtcaagg	accatgcttg	gatcaagtcg	480
actattgtcg	gttggaacag	ctccgttggc	aagtgggctc	gcttggagaa	tgtcacggtc	540
ttgggtgacg	atgtcaccat	tgctgacgag	gtgtatgtca	atggcggctc	tattctgccc	600
cacaagagca	tcaagcagaa	catcgatggg	atgttaccac	tcgcgctata	cgaacgtcat	660
gaattgagag	aactaacgca	ttgtatagtt	cctgccatta	tcatgtga		708

<210> 5011

<211> 669

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (481)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5011

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gtcagggaca aaccctgcgc tggggagcgc gctgacctgt atctatcaac tgggggtgttt 60
catcgagtaa gtgccttgc aaggatttct ggactgtggc tgatcctgga tagttaccac 120
ggtgatcgtg gacatccata tccgtcctcg gatgacggcc ttctgggttc atgtacgggt 180
atggttagatt gcaccgcagt cagctcgtgc aagaatgtcg gagaactact gccgctggca 240
gtcgagattg tcagattgac tatccacctc gggctctgtg tcatgagagt ccgagagatg 300
gtggactcga cggagtcac ctcgggcagc tggccaatcc tcgtctcgga gatcaacgag 360
gcagatgcca ccagcctgat tggcgatttt gtcaagaagc gagtaagtac agtgtacgac 420
cattggaaga agaattattga caataccagg gaattccccc ctgctcgcaa ccgtacatca 480
ncgcggttgg atcgaaaggt ctcaccatca gtgcaccacc cgaaattctc gacaacttta 540
tcgaagaagg tcttccgaag gagtacaaac acttcaaggc tcctggagtc agtgggccgt 600
accacgcgcc ccatctgtac aatgaccgag aaattcgcaa tatcctcagc ttctgctccg 660
aggacgtga

```

<210> 5012

<211> 420

<212> DNA

<213> A.fumigatus

<400> 5012

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gttgacatta aagactcctc ttttcaaagt gggctgttgt tttcttctgc tttataccaa 60
aaaaccccat gtgcgcggt ccaggataat cactactcct tgcagtcacg gccgcgcaa 120
ccactcgcca tggaggatct ccatcgctc tatctctttg gagatcagac aatcagctgt 180
gacgaaggcc tccgcaacct cttgcaggcg aagaaccata ctatcgtcgc ctgcttcac 240
gaaagatgct tccatgcact gcgtcaggaa atcaccaggc tgccgccttc tcagcgcacg 300
ctcttccgcg ggtttaccag catcgccgac ttgcttgctc agcatcgtga gtcagggaca 360
aaccctgcgc tggggagcgc gctgacctgt atctatcaac tgggggtgttt catcgagtaa 420

```

<210> 5013

<211> 1188

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (41)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5013

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caataccagg gaattccccc ctgctcgcaa ccgtacatca ncgcggttgg atcgaaaggt 60
ctcaccatca gtgcaccacc cgaaattctc gacaacttta tcgaagaagg tcttccgaag 120
gagtacaaac acttcaaggc tcctggagtc agtgggccgt accacgcgcc ccatctgtac 180
aatgaccgag aaattcgcaa tatcctcagc ttctgctccg aggacgtgat tctgcgccac 240
acaccacggg ttccactggt ctcgagcaac acagggaagc tgggtccagg aaagagcatg 300
cgtgatctgc taaaggtggc tctggaggaa atcctcttgc gcaagatctg ctgggacaaa 360
gtcaccgagt catgcctttc catcgcttcag gctaccaacg acaagccctg gaggattctc 420
cctatcgcca gcaacgccac gcaaggcttg gttactgcac tccagcgtat gggaaactgc 480
cagatcgagg tagacaccgg ggttggcgct cctcaaattg acccgccgc tcccaatgca 540
acgggcaatg cttcacggtc taagatcgcc atcatcgaa tgtctggcg gttccctgag 600
gcagatggta tcgaggcctt ttgggacttg ttgtataaag gtctggatgt tcacaaaaag 660
gtccacctg agcgatggga tgtggacgcg cacgtggact tgaccggcac aaagagaaac 720
accagcaagg tcccatacgg ttgctggatc aacgagcccg gcctgttcga tgcccgtttc 780
ttcaacatgt ctccctcgga agcactccag gcagaccctg cgcagcgact ggcgctgctg 840
tcggcttacg aggccttggg aatggcaggc ttctgtccga acagcagtc atcgactcag 900
agagaccgcy tcggcatctt catgggtatg accagcgacg actaccgtga gatcaacagc 960
ggtcaggata tcgacacata cttcattcct ggagggaacc gagcattcac gcctggctgt 1020
atcaactact acttcaagtt cagtgggcct agtgtcagtg tcgacaccgc ctgctcgtcc 1080

```

agtcttgcctg ccatccactt ggcctgcaac gccatctgga ggaatgactg cgataccgcc 1140
atcagtgggtg gtcttcacca cggggctgga aggtccacag tggtcata 1188

<210> 5014
<211> 591
<212> DNA
<213> A.fumigatus

<400> 5014
aaaggagaga ttaccgaccc tcccactgct gaaacgaatc ctgctgttta cggctcctgga 60
ggcacagacg ttccttttga gtcggttgat tttacaggat cgggcctctt ctgtgctcag 120
tgtgttcgca accagcatct cttcacaagt gcgcttgccct cttattttcc gtcgccggag 180
gatccaaatt atagcgcccta cgagcgggaa tatcccagtt ttcgcaggaa cctggaggaa 240
cgatacccgcc aagtatgcgc aaactgcgaa cctcgggtga aggaacggat acgtcaagct 300
ggatatgagg cgaaatcgga ccaccttcga cggatgatgg acaggagcaa agcgggaagg 360
gcagcgagac acgcgcggcg ttggaattgg agaaatctac tgggtgcagc ggggtgctatg 420
ggttactggg gcagcggttg tggtcaactg tcctgggata ctctgggcgc tctgagtgcc 480
gatcatcatc tccgcgatat gtacaatgac ttatcaccgc cgtccattgc gttctgcgcc 540
cgtgccgaca ttacagaaac cgccaactac caagttttat gcctgggttg a 591

<210> 5015
<211> 438
<212> DNA
<213> A.fumigatus

<400> 5015
acggcagcac cgaaagcgac agcctcatcg gggttgatac ccttggaggc cttcttgccg 60
ccaaagaact cttcgaggag agcctggacc ttgggaatac gagtggaaacc accgaccaga 120
acaatgtcgt tgacatcaga cttcttgacc ttggcgctct tgagcacctg ctgcaccggc 180
ttcagagtct tcttgaacag atccatgttg agttcttcga acttggcgcg agtgagagtc 240
tccgagaagt cctcgccggt gtggaaggat tcgatttcaa tgcgagtgga catctgggaa 300
gacagagtac gcttggcctt ctgcacttcg cgcttgagct taccatggc cttgatgtcc 360
ttggagacat caacgttgtg cttcttggtg tactgcttga cgatgtattc cataacgcgg 420
tgggtcaaagt cctcacca 438

<210> 5016
<211> 687
<212> DNA
<213> A.fumigatus

<400> 5016
ggtatcatgt attgggcctc taatcataca tcgaggcgac tctggcgat tccaaagga 60
aagtccataa tgaatcaatt aacatatcaa aactccgtaa atccctctaa agtaatttta 120
cagttcgtca tgtccgctgg gctcatcctc ctcatccgct ggtgcagagc catacagctt 180
gctagtgatg gggtaggcca cattggacag ttgctccttc tgctcctcaa agtcctcggg 240
ggtggcagtg gcggcggttg cctccagcca gtcggtcacc tccttgacag catccaagat 300
ggtctgcttg tcatcctcat cgatctggcc accaagcccg ttctcgctgt tgacctggtt 360
cttcaggctg aaggcatagt tctcgagaga gttgcgagcc tcaatcttgg ccttgatggc 420
cttgtcctcc tcggcgaatt cctcggcctc cgcgaccatg cggtcgatct cctcctggga 480
cagacgaccc ttgtcgtttg taatggtgat ggactcggcc ttgccggtac ccttgctcgt 540
ggcgctaacc ttcaggatac cgttggcatc caggtcgaag gagacctcaa tctgaggcac 600
gccacgagga gcgggaggga taccgctcaa ctcgaaactt ccgaggagat tgttgctcctt 660
ggtcagagaa cgttctcctt catctga 687

<210> 5017
<211> 780

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (190)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5017
 ggcacgccac gaggagcggg agggataccg gtcaactcga actttccgag gagattgttg 60
 tctttggtca gagaacgttc tccctcatct gagataagtc agtatatctc catatcttca 120
 atcaagtaca atggcaaaac acttacaaac ttggatcaag acggtgggct ggttgtcagc 180
 ggcggtcgan aagatttgag acttgccggg aggaatgacg gtgttgccgg gaatgagctt 240
 ggatcatgaca ccaccgggtg tctcaatacc cagggtgaaga gggttgacgt ccatgagaac 300
 gacatcgccg gtaccttctt caccagagag gacaccacc tgaacggcag caccgaaagc 360
 gacagcctca tgggggttga tacccttggg ggccttcttg ccgccaaga actcttcgag 420
 gagagcctgg accttgggaa tacgagtggg accaccgacc agaacaatgt cgttgacatc 480
 agacttcttg accttggcgt ccttgagcac ctgctcgacc ggcttcagag tcttcttgaa 540
 cagatccatg ttgagttctt cgaacttggc gcgagtgaga gtctccgaga agtcctcgcc 600
 gttgtggaag gattcgattt caatgcgagt ggacatctgg gaagacagag tacgcttggc 660
 cttctcgact tcgcgcttga gcttaccat ggccttgatg tccttggaga catcaacgtt 720
 gtgcttcttg ttgtactgct tgacgatgta ttccataacg cggtggtcaa agtcctcacc 780

<210> 5018
 <211> 663
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (591)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5018
 ggtgaggact ttgaccaccg cgttatggaa tacatcgta agcagtacaa caagaagcac 60
 aacgttgatg tctccaagga catcaaggcc atgggtaagc tcaagcgga agtcgagaag 120
 gccaaagcgt ctctgtcttc ccagatgtcc actcgcatg aaatcgaatc cttccacaac 180
 ggcgaggact tctcgagac tctactcgc gccaaagtgc aagaactcaa catggatctg 240
 ttcaagaaga ctctgaagcc ggtcgagcag gtgctcaagg acgccaaggc caagaagtct 300
 gatgtcaacg acattgttct ggtcggtggg tccactcgta ttcccaaggc ccaggctctc 360
 ctcaagaggt tctttggcgg caagaaggcc tccaagggta tcaaccocga tgaggctgtc 420
 gctttcggtg ctgccgttca ggggtggtgtc ctctctggtg aggaaggtag cggcgatgtc 480
 gttctcatgg acgtcaaccc tcttaccctg ggtattgaga ccaccgggtg tgtcatgacc 540
 aagctcattc cccgcaacac cgtcattcct acccgcaagt ctcaaattct ntcgaccgcc 600
 gctgacaacc agcccaccgt cttgatccaa gtttgtaagt gttttgcat tgtacttgat 660
 tga

<210> 5019
 <211> 576
 <212> DNA
 <213> A.fumigatus

<400> 5019
 cttatctcag atgagggaga acgttctctg accaaggaca acaatctcct cggaaagttc 60
 gagttgacgg gtatccctcc cgctcctcgt ggcgtgcctc agattgaggt ctcttcgac 120
 ctggatgccg acggtatcct gaagggttagc gccagcgaca aggttaccgg caaggccgag 180

tccatcacca	ttacaaacga	caagggtcgt	ctgtcccagg	aggagatcga	ccgcatggtc	240
gcgaggccg	aggaattcgc	cgaggaggac	aaggccatca	aggccaagat	tgaggctcgc	300
aactctctcg	agaactatgc	cttcagcctg	aagaaccagg	tcaacgacga	gaacgggctt	360
ggtggccaga	tcgatgagga	tgacaagcag	accatcttgg	atgctgtcaa	ggaggtgacc	420
gactggctgg	aggacaacgc	cgccactgcc	accaccgagg	actttgagga	gcagaaggag	480
caactgtcca	atgtggccta	ccccatcact	agcaagctgt	atggctctgc	accagcggat	540
gaggaggatg	agcccagcgg	acatgacgaa	ctgtaa			576

<210> 5020

<211> 273

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (37)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5020

gaatccggaa	atagttagga	cagaccagag	caacgtntac	aggcagtttt	cagcgaagat	60
tactttcagc	agatcatccg	cttcttaact	gcgttggtc	gattgccagt	ttttaaaagc	120
ttctcgctca	gggattacta	ctcacagcca	gttcggcatg	aatatgtgag	tgcagaaaac	180
tccgtcacca	ataactggga	cgatgaaacg	gacccggtgt	atcctttacc	agccgcaaac	240
tgtgggctga	actcagtcgt	tgtggatggg	tga			273

<210> 5021

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5021

cttggccttg	aatcagtcgg	actaggattc	acgggaaacg	tggagaatgg	accagagaca	60
acgcctctct	gcggaggcct	accccgagtc	ttccctgtga	tcgaagcatt	gctgttcggc	120
caggcagaag	aaaccgctgg	accatgccgc	ctccgagatc	gcgacttttc	accagaggac	180
ggatcgatcg	ccgagcgtgg	ttccgcggcc	ggcagaagac	gttttcgacc	acgccgctag	240

<210> 5022

<211> 537

<212> DNA

<213> A.fumigatus

<400> 5022

ggaagcactg	taggtgctgg	ggcgtgata	accatgccac	catccacagt	cttctcctac	60
tggcgacgtg	aacatcgctg	cgcgagtga	cccccgctct	catcgctccg	acaggtctct	120
tcaagaggca	aaagcaacgg	caaccgtcct	cagctcccgg	ttattcagca	cacgccgata	180
cttgcgacta	cggttgagga	atcgtctcca	tgccccgata	cgctgactcc	ccttacttcg	240
agcgaatact	ctcctgcaga	tggcgatacc	gataagggac	ttggtgtggg	ctctacagtc	300
tcgacagatg	gcgcgtcatc	tgtctcgacc	aacctggcag	taccgtcctc	cacttcggac	360
aagcaagcgc	gtcctcattc	cagtccggaa	gaccgcgaaa	agaacttggg	tctgactgct	420
cagccgaact	cgtcacaagt	gtccattacg	gcttctcgtc	ccgagtatgg	cgatagtgat	480
tcctcgaagc	cgaactcgcc	ttgtcttaca	cgaccggggc	tggaaaaagt	acgcgcc	537

<210> 5023

<211> 294

<212> DNA

<213> A.fumigatus

<400> 5023
 ttatcgcact caagaaccgc catcatgggc aacgagacgg tcgtcccgtc cgagaacgag 60
 ctgaagaact tcaaccctgg caaccccgat gtggtcgagc tcatccgtta tgcgcaggag 120
 agtgatgctg ctgatcgctt actgaccgtg agacaagctc tgtcaaagta caaaaaggcc 180
 gtctttctggg ccatgttcct ctcgaccagt ttgattatgg aaggatatga cctgggcatt 240
 gtcagtactt ctctcctgac gagggagaga gtcataacta aaagtaaagt ttga 294

<210> 5024
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 5024
 cagatcacct cttttctacgg ccaatcccaa ttcattcgaac gattcggcga gttctcagac 60
 aaagcaggta aaaagggttat cacagcagca tggcagtcgg gattgtcaaa ctcgctccatg 120
 gtaggacagc tgaccggggtt actgctcaac gcttactctc aggaccgggtt cggctgtcga 180
 ccaacaatga tgttcttcat ggccctggatg gcgcttatga ttttcatccc gggtttttgcg 240
 ccgtcggttg cgtacccctggc ctgggggtgag gcgatgtgtg gcgtctcgtg gggagttttc 300
 caggtccgctc tttctgctct gttgcatgca tag 333

<210> 5025
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 5025
 accctctcga ctacgtatgc ttccgaagtc gtccccacgg tccctacggcc gtacgtcaca 60
 gcctatgtct gcatgtgctg ggggtgctgg atccctcctgt cgtccgggtgt ggttcgtgcc 120
 gtcgctggca tcgacggaga tctaggtctg cggtaccgt ttgttttgca gtgggtctgg 180
 ccgatcccc tgtttatcgg agcgtacctg gctcctgagt cgccttgga tgccgtccga 240
 cggggcaagg tcgacctggc gagaaagagc ttgagacgcc tgcgacagga cacaccggac 300
 aaagagcgag aggtcgaggc gacgctggcg tacatccagc ataccaccaa gctggagcaa 360
 gcggagacgg aaaaatgcaag tttcctggaa tgcttcaagg ggacgaacct gcggcgaacg 420
 gaaattgtac attctctcat tactatgtcc aacggcgcc ag 462

<210> 5026
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5026
 aattgcgtcg tctgggaggc tcaaaccctc agcggcaatg ccatcctcgg gtactcggtc 60
 gttttttctcg aagcggctgg gtttacggag ctgcaagcct tcgatgtcaa catctccctt 120
 tccgcatgct acatcgtcgg cggcgtcatg ttttcaccac ggggctggaa ggtccgacag 180
 tgtcagtag 189

<210> 5027
 <211> 396
 <212> DNA
 <213> A.fumigatus

<400> 5027
 gaaatctoca caggaatcat tcgtttatct ctactgacac ggtaggatg ttttcaccaa 60
 caccgcacca ctctggcacc ccccgggcgc ccgcggcatc tttggcggag ccgccatgc 120
 ccagtccctc tcggccgcaa tgcgaacggg gccgaccgat ttcgccgtcc acagcatgca 180

ctgctacttc	gttctagcgg	gcgactcgga	aatcccgatt	ctataccacg	togaacgagt	240
ccgcgatggc	cgcagcttca	tcacccgcac	ggtgcaagcg	cggcagcgcg	gccggcccat	300
cttcacaaca	acactgagct	tcagccgggc	caacagcggc	ggcaagaagc	gcctcgagca	360
cgccacgccc	aaaccgagtc	tcgccgaccc	tgctga			396

<210> 5028

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5028

gtctgtccgg	gctccatact	tataaagaat	gggaaagggg	ctattaataa	aactgagctg	60
gctgacaata	atacgatgat	ccgtacagcc	gaatctactc	tcaacggacc	gatttagtgat	120
gccaatcgtc	atctaaagtc	ggcacatcca	agcgatggag	atgcctcggc	atttaccaat	180
tcgggagttc	cgtgcagcgc	gtga				204

<210> 5029

<211> 501

<212> DNA

<213> A.fumigatus

<400> 5029

gatgtcttca	ccaacacccg	cccactctgg	cacccccccg	gcgcccgcgg	catctttggc	60
ggagccgcca	tcgccagtc	cctctcgccc	gcaatgcgaa	cggtgccgac	cgatttcgcc	120
gtccacagca	tgcactgcta	cttcgttcta	gcgggcgact	cggaaatccc	gattctatac	180
cacgtcgaac	gagtcgcgga	tggccgcagc	ttcatcacc	gcacggtgca	agcgcggcag	240
cgcgcccggc	ccatcttcac	aacaacactg	agcttcagcc	gggccaacag	cggcggcaag	300
aagcgctcgc	agcacgccac	gcccacaccg	agtctcgccg	accctgctga	gggaaccaga	360
cgctcgctgg	aagatatccg	ggggccggtt	gagacacaca	tggcggggac	tgtcaaccgt	420
aagcaaaatt	gcctccactc	ccctgcccac	gagcagctgg	ggctagggac	gattcgagag	480
gtgctgagat	ctgacacttg	a				501

<210> 5030

<211> 786

<212> DNA

<213> A.fumigatus

<400> 5030

acgcaggcga	ttcgcccaat	cccaggagaca	agcgcgctgcg	acggttcgct	cgcgcgcggg	60
gccgcatctc	cgaggcaggg	ggccaccagg	cgcacctctc	cccgcctggc	ctacatcacc	120
gacagctact	tcacgcgggac	cgtggcacgg	gtgcagaaca	tccgcgggtt	ctcgtcgccg	180
gcggagctgc	ggcgggcgct	gcaggcgctc	aagaacccgt	cggacctgga	cgacaggagc	240
atcgcgcggg	cgatcaaaga	gctgaaggag	gaggaggcgg	ccgatctgcg	gcggcggtcg	300
gagggcgcgc	tgagccaggc	gacaaaccaa	ccgaaggagg	accggaagga	ggtcggcatg	360
atggttagtc	tggaccattc	gatctacttc	cacaatccgt	gggcgttccg	cgcggacgag	420
tggatgctga	tggagatgga	gagcccgtgg	gcgggcgagg	gccgggggct	ggcgatccag	480
aagatctggg	cgcgggatgg	gacgctgatt	gcgacttgca	cgcaggaggt	acgtttacgc	540
ttccactcgc	tctcggaac	attacggttt	gggctactgc	ctgcaagaaa	acggccgcta	600
acgcttgctc	gtgtctttct	agggagtggg	gcgattaaaa	caggacgagc	ctgctcgtgc	660
gaagatttag	cggttactgg	actagacctg	tttccatttc	tttttttttt	ttcccttttc	720
gctatttact	atattctgat	agactcgacg	gacacattgg	cctcttttgc	ttctgtttat	780
agttgt						786

<210> 5031

<211> 846

<212> DNA

<213> A.fumigatus

<400> 5031

gacacgactg	gaccggaaac	gtcactgcct	ggcctgccag	aattaaccag	ccgaaatcag	60
aaattacgtg	gtgcagacat	gagttcctct	cccgatgaag	aaccagccgg	cgtatctggg	120
ttcgaaaatg	aatcacctgc	ggcgcatacg	tcgcagggga	tgaaaccgga	ggaaccattg	180
gaacccgaag	ctcaccagcc	tataacctatc	cctcctcaac	agcctcgttc	ccctactcct	240
ccaacgccgc	cccccgtag	tgattcttct	ccaattcgcg	ttgccgtgcc	ggttggacga	300
ggagaagttg	cagacgctca	cgatgaacaa	tactcgccac	ctcctgtcat	gccgacacaa	360
agcctccgac	aggcagtacc	ggatgatgaa	cggctcgagg	atactaccat	tgatattggg	420
aggggaagcgt	caaaatctac	tgccctttcac	cgtcctcaag	acgaggcgct	gcaggctatt	480
gtgcagtatg	attatgagaa	ggcagaggac	aatgaaatag	acttgaagga	gggagagtat	540
gtgtctgaca	tagagatggg	tgataaagac	tgggtggcttg	gttctaattc	gcgcggcgag	600
cgggggtctct	ttcccagcaa	ctatgttgag	ctcgtcaaag	acaaccagaa	gcacctcgca	660
tcagttgctg	gagctgaaga	cccccaaggaa	atccctccag	ccgcttctat	ccacagtcct	720
gggggaggga	agggtacctc	acagccgacc	gcaatggcat	tgtatgacta	cgaggctgcg	780
gaggacaatg	agctcagctt	cccggagggt	gctcaaatag	ttaatatcgt	aagtgggaca	840
tgttga						846

<210> 5032

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5032

gtgggacatg	ttgaaattct	ttttgctttt	tcgtcttctt	tctcttttag	cttgcttttg	60
gccagacaat	ctagccagac	aacgggtatcg	ctaactcgac	accaggaatt	ccccgatgat	120
gattgggtgg	tcggtgagta	caaggggtcag	aaggggctct	tccctgccaa	ctatgtacaa	180
ctcagaggagt	ag					192

<210> 5033

<211> 663

<212> DNA

<213> A.fumigatus

<400> 5033

tcatatgagc	ctcagatcgc	ggcagttctc	tgtttccctgg	cctgggttcta	ccccgtcggc	60
ctctaccgca	acgccgaata	caccgacagc	gtccattccc	gaagcaccct	cgtcttccctc	120
atcatctggg	ccaccttcc	cttcgccagc	tcctttgcgc	atctcctcat	cgccggcgctc	180
gagagcgccg	agctcgctc	cgcgctcgca	aacatcatgg	gcatcatgat	gtacgccttc	240
tgccggcatcc	tcgccggccc	gcatgcgctc	cctgggtttct	ggatcttcat	gtatcgggtc	300
aaccgcgttca	cgtacctggg	gtcgggactg	ttgtcggcga	gcctgggtga	tgctccgatg	360
cactgcgcgg	ctaacgagtt	cctggcgttt	tcgcctcctg	cgaatcggac	ttgcggcgag	420
tacatggagg	actacatggc	cttgcccggg	gggtacttgc	tggattcggc	cgcgcgcggt	480
gatgagcaat	gccagtattg	tcgtgttgat	aacacgagcc	aatacttgag	gaatttcagc	540
attgacttcg	cgactcgctg	gagggatttc	gggctgctct	gggtgtatgt	cgccgttaac	600
accttcgggg	cggctcttct	ctactggctt	tgctcgggtcc	cgaaggga	gaaaagactg	660
tga						663

<210> 5034

<211> 474

<212> DNA

<213> A.fumigatus

<400> 5034

caacaccgcc	cagggactac	agaaccaggt	gtttgggtgc	tttgtcttcc	tcttcgtcgt	60
------------	------------	------------	------------	------------	------------	----

catccaactc	atcttccaga	tcattccaac	atttgtcacc	cagcgaactt	tatacgagtc	120
tcgcgagcgc	cagtccaaga	cctactcctg	gcaagccttc	gttctctcca	atatcgccgt	180
ggagtttgca	tggaacacgg	taagtcgtta	gagggcagat	atgcacagac	acagaccggg	240
actaatcata	tgagcctcag	atcgcggcag	ttctctgttt	cctggcctgg	ttctaccccg	300
tcggcctcta	ccgcaacgcc	gaatacaccg	acagcgtcca	ttcccgaagc	accctcgtct	360
tcctcatcat	ctggggccacc	ttcctcttcg	ccagctcctt	tgcgcatctc	ctcatcgccg	420
gcgtcgagag	cgccgagctc	gcctccgcgc	tcgcaaacat	catgggcatc	atga	474

<210> 5035

<211> 726

<212> DNA

<213> *A.fumigatus*

<400> 5035

tggacgttgt	cgteccatccc	gccggtgaag	actgaccgcc	tgcattgggcg	agactacgcc	60
gacgcgattg	tcggcgctccc	cggggaaggc	ttgaacgtgg	aacagaggaa	acggctcacc	120
atcgagtggt	agctggctgc	ccgtcccaag	ctgctcttgt	tcctggatga	acccacgtct	180
gggctagaca	gccagacgtc	ctggctgata	tgcaacctca	tgagagcgtt	gaccagaaac	240
ggacaggcca	tcttatgtac	gatccatcaa	ccgtcggcca	tgttggtcca	gcgcttcgac	300
cgactcctgc	tcctcgccaa	gggaggaaaag	accgtttact	ttggggaaat	cggatcgggg	360
gccaggaccc	tgatggatta	ctttgttcgc	aatgggtggac	ccccctgcc	gaaagggtgc	420
aaccgcgcag	aacatatgct	cgagggtgatt	ggagccgcgc	caggagctca	tacggatatc	480
gactggccag	cggtgtggcg	caatagtccg	gagtaccagc	agggttcgcca	ggaattgtct	540
cgcgtagagc	agctggccag	tcagccttcg	tcggtgcatt	cggatgacct	atccagctac	600
tcagagtttg	cggccccgtt	cccagcccag	gtggggccagg	tcggctcgctc	agtcttccag	660
cagtactggc	ggacgcctgc	gtatctctat	tccaaggcga	tcctgaccgt	cggttcggta	720
agttaa						726

<210> 5036

<211> 264

<212> DNA

<213> *A.fumigatus*

<400> 5036

ccgttacgca	aattgcagtc	catcttcata	ggcttctcct	tcttcaaagg	tgacaacacc	60
gccaggggac	tacagaacca	ggtgttttgt	gtctttgtct	tcctcttcgt	cgtcatccaa	120
ctcatcttcc	agatcattcc	aacatttgct	accagcga	ctttatacga	gtctcgcgag	180
cgccagtcca	agacctactc	ctggcaagcc	ttcgttctct	ccaatatcgc	cgtggagttt	240
gcatggaaca	cggtaagtgc	ttag				264

<210> 5037

<211> 471

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (405)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5037

ccacttttcc	ttccctgcag	ggcgagtcg	ggcggtgggaa	gatggactgt	aattgtcaaa	60
gacaccaatg	tgaatgagtt	caccggagag	ttcattgatt	ggcgactgaa	tctctgggga	120
gaggctatcg	acggcgccaa	ccaaaagcct	catccctttc	ccgatgaaca	tgacgatgat	180
cacagcatcg	aggatgctat	tgtggctacc	accagtgtgg	aaacaggacc	taccaagacc	240
ggtgtccccg	gctccacgga	cgacaccata	aatcgccctg	tgaacgcaaa	gcccgttgaa	300



actcagacac	catcacccgc	tgaaacgacc	gcaaccaaac	tagctccacc	cgccgagacc	360
aggccggtg	ctacggcgac	atcttctccc	acacctcctg	gcgnggttcc	gaccagtttc	420
ctggccaagc	ttccatgccc	accttccggg	gcttcccaaa	agaagccata	a	471

<210> 5038

<211> 720

<212> DNA

<213> A.fumigatus

<400> 5038

agacatttcg	acggctatac	gaatagcatt	tacagtatca	ctgtaggtgc	tattgaccgg	60
gaaggaaatc	accccagcta	ttccgagtct	tgctccgcac	agttagtggg	cgcttacagt	120
agtggctcgg	gcgacgcaat	ccacaccact	gacgttggaa	ctgacaaatg	ttactctttt	180
catgggtggga	catcggcggc	aggacctttg	gccgcgggga	cggtagcact	ggctctcagc	240
gctcgcccgg	aactgacatg	gcgcgatgcg	caatatctca	tggtggaaac	agccgtcccg	300
attcatgaag	acgacggtag	ttggcagggtc	accaaggctg	gaaggaagtt	cagtcatgac	360
tggggctatg	gcaaagtcga	tgcgtacgcc	ctgggtcaga	aagccaagac	ctgggagttg	420
tggaagccgc	aagcctgggt	ccactccctt	tggtccggg	tacagcacia	agtccctcaa	480
ggcgaccagg	gtctagccag	ttcgtacgag	gtgactgagc	agatgatgaa	gaacgcgaac	540
attgccagggt	tgagcatgt	tacggtgacc	atgaatgtca	atcatacacg	ccgtggtgat	600
cttagcgctg	agctacgcag	tcctgaaggc	attgtcagcc	atctaagcac	cacaagaaag	660
tcggataatg	aaaaagcggg	ctatgtcgac	tggactttca	tgactgttgc	tcattggtag	720

<210> 5039

<211> 687

<212> DNA

<213> A.fumigatus

<400> 5039

cgccatcgtc	taatagccat	gttgaacggg	acatccgctg	ccgccgccga	aaaggacggg	60
tctcgctttg	tgaatttcat	tcttcccagc	tacgactact	acaatctggc	ctcgggtcat	120
gctggccacc	tccccgagtt	cgtggaggac	catgtcgatg	cggtcttcgt	ccatctcgtg	180
tgcttccccct	gtgcgccagg	acaacctgc	gagtagcatt	tgacggatcc	gcactgcgcc	240
tacacggaac	cttatttttc	cctcgttccc	gaaatgccaa	tgaataagca	gtacgattac	300
aaataacctgc	ctgacgtgga	tggcaattcc	tttagcggac	ggtaccgcgg	attcttacta	360
tcaacctcgc	ttcccatcaa	agctaccatc	tacgatgaat	ggcatgactc	gcggctcatt	420
ccctgggccc	atttcgtccc	tatggactcg	acgtttctag	atatctacgg	cataatggag	480
tatttttattg	gataccgcgg	gtcggggcat	gaccacgcgg	cgcgaaagat	tgccctgaat	540
ggcaaaaagt	gggcggagaa	ggtgcttcgc	ccggaagata	tgagatcta	tatgtatcga	600
ttgttgcttg	aatacgcaag	gatctgtgat	gatagacgtg	ataatttggg	ttataccgag	660
gatatgttat	gggtcagacg	tgggtag				687

<210> 5040

<211> 207

<212> DNA

<213> A.fumigatus

<400> 5040

tctggatctc	ggctcggccg	ttcgtctcgtg	atccttcggc	tgcagtgtcc	ttggtgcccg	60
tcccagatca	ttattgtccg	cgataccgcg	gctcattcgt	cctctctgaa	ctataacaat	120
aacaatagcg	caaccattct	cgcggggcag	ttggcctttt	tctatctttc	ggtctttctt	180
ctgtctccta	cacttcttca	agactaa				207

<210> 5041

<211> 270

<212> DNA

<213> A.fumigatus

<400> 5041

aggcttatca	ctactagggt	ttgcgcccgc	actcaccaga	gccccgatgc	cctgctaaga	60
aaactgaaac	cagctgatgt	caagtcattg	tttgattgga	ttgaggataa	cttcagcggg	120
tcaatcaagg	ctcatgggac	tctctcgaac	tactggatga	ctctcaagag	gctttatttc	180
atgaaaaata	agaaagatat	gtctcgatca	atgatcaatg	actgtattaa	cgtaagattt	240
attctcctaa	gcgcgagaa	tggtctttta				270

<210> 5042

<211> 630

<212> DNA

<213> A.fumigatus

<400> 5042

tacatgaacg	aagtcagcaa	gcgaatgcgc	ctacgcaaac	ttcctctgcc	caaagacacg	60
gaaaattcac	ttgatctgct	ctcttaccag	accgcccacc	ttgtccattg	taaagcagtt	120
tttctgatg	agaagcagag	gctctaccac	atggctaccc	tcaatttgct	cagcggtact	180
gcctgtcgag	cggtttctgct	gttcgatata	cgatgtcagg	tcgacttaca	cccggacggc	240
agccccgtca	ttcctggtaa	aatcgaggca	ggcagcaatg	gagcactaaa	ttctccaacc	300
cctgagcaaa	gtggcgaggc	tcactgtgac	tctggctatg	aatcgagccg	cagtggccgc	360
ctcaacgtcg	atgaagatga	tatgctcgac	gagatatcca	gcgacggttc	ttccgatgac	420
ataatgagcg	atattggcta	cgtgtcgacg	tggtctagtg	ttgttacaga	tgatggatat	480
cttgctggtg	acgatcagac	aggcaccatt	ctctggaggc	acgttgagtt	ctgcattgcg	540
cggaaacctg	aacccggggc	cccaaataat	ctctttgccg	ttgtgacctt	catccatact	600
aagggtgaag	atcggaagcc	ccgaatgtaa				630

<210> 5043

<211> 255

<212> DNA

<213> A.fumigatus

<400> 5043

agtgatgcaa	gtcagctata	caatacagatt	gaaaacgtga	agttgacggc	aaatggacaa	60
agttactcca	cgggtcctat	cgaagctgtc	cagctgggtcc	actatcgaaa	cttgactggc	120
gatggagcgt	gggtgttcaa	cgaatcgcca	gacgcgatat	tggtgctcgc	cttggatccg	180
atccccatcg	actcgacgga	gcacgaagca	tccgaattta	ccgtcactgg	tgagctcccg	240
caactccaca	actag					255

<210> 5044

<211> 1488

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (41), (102)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5044

aatctaggga	aattagaggc	gctgacaccc	cggatcaata	nacgatatga	gcattacgtc	60
cagttgatgc	gcgaacgtca	agctcggact	tcgcatcagg	anacaacctc	gtcgaagcag	120
gtgcaaccat	atgacccgcg	gttgccggga	gtagtcgaac	ctttggaggc	agggagaagc	180
agagatttgg	cagtgcagct	tgacacggca	gagatcagcc	ggaggggcaac	cgtaggaaa	240
gccttgctgc	aggctggtgt	gccacaagaa	gaggagcaaa	gccggcgctac	ggcgggtgtc	300
tggaacaact	gggaaattgc	aacggataaa	gatggacctg	ggatggacaa	tgacctgagc	360

cgccggattc	aaaatgtgag	actcaacatc	gaccagcaaa	ctcatgcgaa	cgctcgtcgc	420
cagcaattga	agcctgcaga	gccatcaact	agcacctaca	gttatccctc	cgcccccg	480
acaaaaccgc	tggagccttt	gccatctgcg	tcgacgaacg	tgtcccgaga	tgaaaccagc	540
tggcgcttgg	aagttccatt	gccaccccca	aaggagcgat	ttggatcaag	ttcatccgtc	600
atttaccgag	ggagcgaccc	ccgccactat	tgcccgacaa	aggtctcgtc	gaccccgcc	660
ccggctgttc	cagagaaggg	acagccgttg	gcagctggcg	gaaactcacg	tccagacctg	720
aaccctcca	gcttcacatt	caagccgtcg	gcatacttag	agaatgggac	accgctgcgc	780
accgtgtggc	tacctccga	tctacgaacg	catttttttg	ccatagcggg	ccctaacacg	840
cgacgcaacc	tagagacgtg	cggcatcctg	tcggaactt	tgatttcgaa	cgactattt	900
gtctctaggc	tgcttattcc	agaacaaacg	gcgacgtcag	acacatgcga	aaccgtaaac	960
gagctctgca	tctttgacta	ctgcgattcc	gaggatttga	tggtgttagg	ctggatccat	1020
acgcaccca	cacagacttg	ttttatgagt	tcgagggacc	ttcacacgca	ttgtggatac	1080
caggtgatgc	tccctgagag	catcgcgatt	gtttgtgcgc	caagtaaato	ccctgattgg	1140
ggtgtgttcc	gactgactga	tccccgggg	cttaagacgg	tctgaactg	cacgcagagt	1200
gggctatttc	atccccatgc	ggaagcta	atttacaccg	atgcgctgcg	acctgggcac	1260
gtctatgaag	ccaaaggggt	ggaatttgag	actgtggatc	ttcgtccaaa	gggatcccg	1320
gggttgatga	tagatgttgg	atgttgcgat	gtactatgta	tgatatggct	tgccattagg	1380
ataccatctc	cagcgatgtg	ctgtttgttc	tccgctttag	aatcattgct	aagttcagca	1440
tacattacat	attttacagc	aagatgtcac	tgcttgctcc	tacatga		1488

<210> 5045

<211> 261

<212> DNA

<213> A.fumigatus

<400> 5045

tcaagtatgt	atgcatgcat	gctctctcat	tccctttata	caaaatcata	cattacatac	60
atctttcatc	caacctggcc	agtggtttcg	actcatccgc	tcatctcctg	aaaatcctgc	120
ttcgagatcg	ggaccgagaa	ggagcgcggg	agcgcgatcg	agagcgccgc	cgcgcgccag	180
aacatgcgct	atactgacgc	tttcgctcgg	gggtgggctt	tcgccgaagt	cgcgagccca	240
tacggttccc	cggaacagta	g				261

<210> 5046

<211> 1320

<212> DNA

<213> A.fumigatus

<400> 5046

ggatatagaa	cgttgttgag	ttgcttagtc	gttccagagt	cgagttcagc	cctgtttctct	60
tctccaactg	aggagggggc	gaatcattcg	cgggtaaaaa	caaaaccctc	ccagcttctc	120
caacgcgcgt	ccgttcaaca	ccccacctgc	ttctctttcc	tcattgttat	catagtctct	180
atgccccaaa	agcatcacia	acactccttc	gtgaagcctg	ttagtccagc	tcatacatac	240
ttactcccg	ccggccctcg	taaccaaaat	gaacgggatc	acgcttcgca	gccctcgctc	300
tcaagcacat	cgacaccatc	tgtcaacgac	ctgatcaacc	atcttcgctc	cacgcagggt	360
tcccggctgc	ctgaagatgg	cgccggcgac	ccaaccggg	ttgtagctcc	tccgtcggtc	420
catccgtccc	tacggaactt	gctagagctc	cctgaaaccc	caccacctcg	tccccggccg	480
gaagcacgcc	gcgtcggagt	cactggacga	ctgctgagga	ggactcccgg	accgcgcct	540
ccccagagct	ggctcttggg	gagtcattgat	aaggatacat	cggatgaaga	cttgaactcc	600
acaaatgctg	cgcgagtaga	gaggattata	taccggttgg	atcggtctgc	ggggacgacg	660
ttcccgcgca	agtcggactt	gttgacatg	gttctgaagt	ccatggcatc	gcaatgggca	720
tggcatattg	aatacgtatg	gcaatttctg	gctgtgctgc	ccagtcacgt	taagattttg	780
ctgctgagct	atattgctat	ttatgcggga	gaccaacctc	tgaaagggct	gatgcattgg	840
ctgaagcctc	tgtttgagaa	attcagtacc	gatgacctg	agagtgggtga	tgctggagat	900
ctaaccgaag	atggcgactc	agagatcttg	cgtctggatt	tgagcagtg	gttggggcgc	960
tggatgacta	taaagcagct	ctcacatgaa	cttttagtct	cgaacaagtc	aggagcaa	1020
cttgtgcaag	gcaatgctaa	ggagcccggt	ccgtcatcat	gggaagagat	cgatgacgaa	1080

gaagttgata	cggcggatga	aagtcctaata	atgccgatcc	ccaaggcatt	aagccagggc	1140
cttcgctttc	aaaatcttcg	cttcctctcc	ttagcgcacc	ccaaacccgc	ggctgcgaac	1200
tggaaacccc	ttgttgacct	tctatcgct	ctatcaacaa	ttactcatct	ttctttggcg	1260
cactggccgt	taccaacagt	taccccgaa	gctatgagcg	cgcgcatcaa	gcaccccgcc	1320

<210> 5047

<211> 219

<212> DNA

<213> *A.fumigatus*

<400> 5047

ctcatctttc	atcttgccct	ctcgttgccg	gccttcttca	atccatgtct	cagcgagacc	60
gtgtttgggg	tcttcacgg	agaggcctct	agtccgcctt	acctccagga	caagatccc	120
gaccttctgg	gtaacctcct	ttcgcagttc	gatcgccctct	tcgtcgtgca	gcagttcatc	180
gctgagcacc	ccgaggggaa	ggttgcgaga	ctccggtga			219

<210> 5048

<211> 1035

<212> DNA

<213> *A.fumigatus*

<400> 5048

tatctgacat	gtgtaacact	ttggcagttt	cttgacttcg	ttctctcgtc	tattgagacg	60
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gtctcaaagt	ttggatctcg	ggcatacaag	cctactaatg	gacttggttag	caatgctacc	180
gggcagggga	atgttgctgc	gggagtgaag	aggaaagcag	aggatcagtt	gcgtcgaccg	240
cagaaacctg	agtctgaagc	atcggccaag	ccatcggcag	gcaaaccctg	taatgcttct	300
attacttcaa	agtctcgccc	agtcgcccgt	tcgtcttctg	ccaagtctac	gcacggaaat	360
actgcaaccg	ctgctcagaa	accgcctcag	atctcctcga	agccccctcc	taaaggatca	420
tatgctgatc	tcatgatgaa	agcgaaggaa	ctacagacga	aagctccagc	tcaagtgggc	480
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cgggggaacag	ccggcttgcc	aagtcgacgc	agctcacaag	aaccgaaagc	acagtctcgt	780
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gaggaagaag	ctgctgcatt	agcagctgcg	aagaaagagg	acgaggagga	attgcgcgct	960
gagcttgacg	ccaagcagga	aaagctagaa	cgacgaaaga	aacttgacgc	attggctgct	1020
aagagtcgat	cctga					1035

<210> 5049

<211> 285

<212> DNA

<213> *A.fumigatus*

<400> 5049

caggggtttc	acagattcaa	aatgaagcac	ctcgcgcgtt	acctcctcct	cgccttgcct	60
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gccgatgagg	agcgctgaa	caagctcatt	gctgagctcg	agggcaagga	cctccaggag	180
gttagtaact	acagctcgaa	gattacagac	tgggaatttt	ggactggcgc	tgacatcgaa	240
cgttttctac	cacagggtcg	gcaaggatcc	gcaaacttag	cgtct		285

<210> 5050

<211> 276

<212> DNA

<213> *A. fumigatus*

<400> 5050

gaagacctac	aaaaggccgc	ggcgttgctg	cgcgagagaa	atgacgaact	cgcccgctctc	60
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gcagatgtac	tggaatacta	tgccaacctg	gtaggaggcg	gtgggtcttaa	cggcgagacg	180
acgcagttaa	gagaagatgc	atgggtcttt	accaagaagg	ctccgctggg	agtctgcgtt	240
ggcatcggcg	catggaacta	tcctctccag	atgtaa			276

<210> 5051

<211> 1020

<212> DNA

<213> *A. fumigatus*

<400> 5051

cacagtgtctc	tctggaaatc	ggcaccatgt	cttgcggtcg	gaaataccat	ggtctacaag	60
cctagtgaat	atagcctct	gcatgcgcag	atgctggctg	aaatctaccg	ggaagctgga	120
cttccccctg	gcgtatttaa	tgttgtctat	ggcgctgggg	atgtgggtgc	ttatttgact	180
gctcaccccc	tggtcgccaa	ggtcagcttc	acaggacagg	tgtccacagg	aatgaagggtg	240
gccgggtccg	ccgcgggaca	aatgaagtac	gtcacgatgg	agctaggagg	caagagccca	300
ttgctcatcc	tcctgatgc	ggaccttgaa	aatgcagtaa	atggggccat	gatggccaat	360
ttttttagta	caggccagg	gtgtactaat	gggactcgag	tgttcgtccc	gagaggcatg	420
aagtctgcct	ttgaaaaggc	tcttctggac	aagatgcaat	atatccgtcc	cgggcccgttg	480
tttgacaacg	caacgaactt	cggacccttg	agttctgtct	ttcacctcga	aaaggtaacc	540
tcgtacattc	gtcatggcat	tgagacggac	aaggcaacgc	tcctctatgg	cgggctggga	600
aagccctccc	ttccaaagga	tttgagaaat	gggttctggg	taaggccgac	tgtcttcacg	660
gactgcaccg	actccatgcg	gattgtccag	gaagagattt	ttggcccggg	catgtcaatc	720
ctgtactacg	atacagtcga	ggaagctgtc	agacgcgcaa	ataacactga	gcttggcctt	780
gcggtctggcg	tctttacgcg	agacctgaat	atggcacatc	gtatcatcga	ccagctccaa	840
gcgggcatta	catggatcaa	ttcctggggg	gaaagcccgg	ccgagatggc	tgtgggtggc	900
tggaagaaga	gtggtgttgg	cgtggagaac	gtccgcagag	gtatcgaagc	ctgggtaagg	960
aacaagagta	cgctggtgga	tatgaatgga	cgggttgcta	ctgtctttgc	aaaattgtag	1020

<210> 5052

<211> 432

<212> DNA

<213> *A. fumigatus*

<400> 5052

catgaccggg	ccaaaaatct	cttcctggac	aatccgcatg	gagtcgggtgc	agtccgtgaa	60
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cccgccatag	aggagcggtg	ccttgctcgt	ctcaatgcc	tgacgaatgt	acgagggttac	180
cttttgcagg	tgaagagcag	aactcaagg	tccgaagttc	gttgcgttgt	caaacaacgg	240
cccgggacgg	atatattgca	tcttgctccag	aagagccttt	tcaaaggcag	acttcatgcc	300
tctcgggacg	aacactcgag	tcccattagt	acacacctgg	cctgtactaa	aaaaattggc	360
catcatggcc	ccatttactg	catttttcaag	gtccgcacat	gggaggatga	gcaatgggct	420
cttgccctcct	ag					432

<210> 5053

<211> 339

<212> DNA

<213> *A. fumigatus*

<400> 5053

agagcagaac	tcaaggggtcc	gaagttcggt	gcgttggtcaa	acaacggccc	gggacggata	60
tattgcatct	tgtccagaag	agccttttca	aaggcagact	tcattgctct	cgggacgaac	120

actcgagtcc	cattagtaca	cacctggcct	gtactaaaaa	aattggccat	catggcccca	180
tttactgcat	tttcaaggtc	cgcatacagg	aggatgagca	atgggctctt	gcctcctagc	240
tccatcgta	cgtacttcat	ttgtcccgcg	gcgagccgg	ccaccttcat	tcctgtggac	300
acctgtcctg	tgaagctgac	cttggcgacc	agggggtga			339

<210> 5054

<211> 1395

<212> DNA

<213> A.fumigatus

<400> 5054

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tggtgggagg	agcgtgatct	tttcaagccc	gagttcggcc	ccgatggcaa	agtcaagccc	120
gagggttact	tcgtcatccc	aattccgcca	ccgaacgtca	caggttcctt	acacatgggc	180
cacgctctta	ccaatgccct	tcaggatact	atgattcggt	gggagcggat	gaagggaag	240
accactctct	ggctccctgg	tatggatcac	gccggtatct	ccactcagag	tggtgtcgag	300
aagatgctct	ggaagaagga	aaagaagacc	cgccacgatc	ttggacgtga	ggagttcacg	360
aagagagtgt	gggcttgga	ggacgagtac	catgcgaaca	tcaagaatgc	tttgcgaga	420
gtcgggtggt	ctttcgattg	gtcgcgtgag	gctttcacca	tggatcccaa	cctgtcggct	480
gccgtcaccg	agactttcgt	acggctccac	gaagaaggca	tcatctaccg	cgccaaccgc	540
cttgtcaact	ggtgtgtggc	cctgaatacc	tctttgtcca	atctcgaggt	cgagaacaag	600
gaggttgaag	gacgtacatt	gcttgacgta	cctggttacg	acaagaagat	cgaatttggt	660
gtcttgaccc	acttctgtta	tgagattgat	ggcaccaagg	agagaatcga	gatcgctacg	720
acccgtccag	aaaccatgat	cgggtgacaca	ggtattgccg	tgcaccctga	tgacaagcgc	780
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gttgccgata	cggatgtcga	tcctgaattc	ggtactgggt	cggatgaagat	caccctgcc	900
cacgatttca	acgatttcaa	ccgtggaaag	gccacaacc	tcgagttcat	atccgttctg	960
aacgatgatg	gtacctttaa	caagaatggt	ggccattcgc	ttggcatgaa	gcgtttcgat	1020
gcccggtaca	aggtcattga	gatgctgaag	gagaagggat	tgtacgtgaa	atgggagaat	1080
aaccccatga	agattcctcg	ctgtgccaa	tcgaatgatg	ttattgagcc	tattctgaag	1140
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ggtgagatcg	tcatcaaacc	cgaatccgct	gagaagaact	acttccgggt	gatgagaagt	1260
atcaatgact	ggtgtctttc	aagacagctc	tggtggggtc	accaggctcc	tgcttacttc	1320
gttaagatcg	aaggcgaaga	ccgggatgac	agtgcggta	acctgtgggg	ttaccgggcg	1380
ttccgaaaaa	attaa					1395

<210> 5055

<211> 1110

<212> DNA

<213> A.fumigatus

<400> 5055

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tttgatgacg	atctcaccat	tctcaacagc	cttgatggca	ggctcagcga	gatcttgcac	120
cttcatccac	cactggggct	tcagaatagg	ctcaataaca	tcattcgact	tggcacagcg	180
aggaatcttc	atgggggttat	tctcccattt	cacgtacaat	cccttctcct	tcagcatctc	240
aatgaccttg	taacgggcat	cgaacgctt	catgccaacg	aatggggccac	cattcttggt	300
aaaggtacca	tcacgtttca	gaacggatat	gaactcgagg	ttgtgggctt	ttccacggtt	360
gaaatcgttg	aaatcgtggg	caggggtgat	cttcaccgca	ccagtaccga	attcaggatc	420
gacatccgta	tcggcaacga	tgggcatcaa	gcggtcgacg	aagggatgac	gggcgaactt	480
gccaataagg	tgctggtagc	gcttgtcatc	aggggtcacg	gcaataacctg	tgtaaccgat	540
catgggtttc	ggacgggtcg	tagcgatctc	gattctctcc	ttggtgccat	caatctcata	600
acagaagtgg	gtcaagacac	caaattcgat	cttcttctcg	taaccaggta	cgtcaagcaa	660
tgtagctcct	tcaacctcct	tggtctcgac	ctcgagattg	gacaaagagg	tattcagggc	720
cacacaccag	ttgacaaggc	gggtggcgcg	gtagatgatg	ccttcttctg	ggagccgtac	780
gaaagtctcg	gtgacggcag	ccgacagggt	gggatccatg	gtgaaagcct	cacgcgacca	840

atcgaaagaa	ccaccgactc	tccgcaaagc	attcttgatg	ttcgcatggg	actcgtcctt	900
ccaagcccac	actctcttcg	tgaactcctc	acgtccaaga	tcgtggcggg	tcttcttttc	960
cttcttccag	agcatcttct	cgacaacact	ctgagtggag	ataccggcgt	gatccatacc	1020
agggagccag	agagtgggtc	ttcccttcat	ccgctcccaa	cgaatcatag	tatcctgaag	1080
ggcattggta	agagcgtggc	ccatgtgtag				1110

<210> 5056

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5056

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aataatcagg	agatcgacta	cgggtacacc	gtgaccggcg	tcgacgtgga	cagccagctg	120
gcggcagatc	cgcaggcgta	tcctgtcaag	gtaactgctg	agaaaaactg	gaagactgag	180
atgtttgaag	ctaagtatgc	gcttgtatgt	cattcccaat	cactgattct	tgtgatcagg	240
ctgtctctga	cgtctctagg	cctgcgatgg	tgctcatag			279

<210> 5057

<211> 207

<212> DNA

<213> A.fumigatus

<400> 5057

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gatattgaca	gtcttattga	gcccattctg	gtggctcatg	gcaaccgcca	tgccgtagaa	120
ttggaacaga	ttcttgagtg	tttctaccct	gtgacgggga	agcatcaaat	cagagggcggg	180
tctccgaatc	tcaaaaattc	ttcatga				207

<210> 5058

<211> 927

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (410)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5058

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cgcaagaaaa	ccactatccg	ctcaaaggca	ggaaaccttt	tgatcatccc	tcgggaaagt	180
ggtagtctgg	ctcgctttta	cattgagctg	cctgccggca	cgaagcccaa	ggaagtcaag	240
cttgagaatc	tccaacagac	agcaaagagt	attctcagcc	agtacgcaat	cgagttcgtc	300
gaaaccgtct	ggtgggtctg	gtactccatt	ggccaacggc	atgcagactt	cttcacaaag	360
gattatcgcg	tcttccttgc	cgggtgatgct	tgatcatcgc	actccccan	agccggtcag	420
ggcatgaacg	tcaacttgca	ggacgggtat	aacataggct	ggaagtttag	cactgttcta	480
aagggactgg	catcgccatc	gctgttgagg	acatatgtcc	tggagcgaca	gaaggtggcg	540
attgatctga	tcaacttcga	cgggtatttc	tccaagctct	tctcctcggg	gggccagacg	600
tctcccgtcg	agttccagga	gggattcatc	aaggcgggca	aataactgc	tggaatgacg	660
gcgcggtatg	accagtcacc	cattactttc	cacgtgaacg	aatcagacaa	gctctcgaca	720
aacgttgtcg	ttggtatgag	gctgccaggt	gccaagtgg	ttcgcttcag	tgactcgaag	780
cccatgcaat	tagcccagtc	gctcaaactc	gacggccggt	ggcgagtgat	ggtattttatt	840
ggagatatca	gctcgccgca	gactaagaca	aagttgaaag	ctgtaggtgg	cgctcgccct	900
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<210> 5059
 <211> 717
 <212> DNA
 <213> A.fumigatus

<400> 5059
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 gccagagcga acgcgaaacc aaatgaatgg tttgctatac cagaacagac attatccatc 180
 ggtttttgacg atactgacga acaatctttg cctgatgtgt cttttggatg ggacaatgag 240
 aagcctcagc gaacgatcac agttcgtgct ttcgaagcac aggcctcatgc tataacaaac 300
 ggcgaatatg ccaaatatct gcaagcgact cgtcagcgcc ggcggccaga gtcgtgggtt 360
 ctaactcatt cggatgagaa ttatccaatc tccaaggggg tgactctgga gagcagccaa 420
 gccacaaagg atttcatgga caacttcgct gtccgcaccg tctttggacc tgttccgctt 480
 gaattcgcgc aggattggcc tgttatggct tcctatgacg aactggccct atacgccgaa 540
 tgggtgggct gcgacttcc cacttatgag gaggtcaaga gtatctacaa ctactccgct 600
 cagctgaagg agacaagaca acatgagcca tcagatcacg agaggttcgt aaattcccct 660
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<210> 5060
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 5060
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 gggcactcga aggttcacca ggataagccc cggacccag aacgtcagcc aatccaacct 120
 ccttcccaaa gcacaatgcc agtatattgtt gacctccacg gttgcaacgt tgggttcaag 180
 cactggcacc ctaccccggt catccagaac ggcatcgac tcgccggtca cgggtgagctg 240
 ggaggagtct gggaatggac cagcacgcca ctgacgccac atgatggctt caaggccatg 300
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 aactaa 366

<210> 5061
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 5061
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 tatccctcct ccacagccat cttcgaaaac ccactcgatc tcatcctcgc ttccattgat 120
 ccaccccagt atttcctttc ctcgggacta ctgaagcacc atgccccagc acttttcttg 180
 attcctgtcc cttga 195

<210> 5062
 <211> 660
 <212> DNA
 <213> A.fumigatus

<400> 5062
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 tttcgcgtcg gggacatcca ctctcttgac tttccggacg acacctttga catcgtccat 180
 gttcaccagg tgttgacgca catcgcagac ccagtgcgtg cactacggga aatgcgccgg 240
 gtggcgaaga ttgacggtgg gattgttgcg gccagggagt cggcatcgat gacctggtac 300

cctgacaact	cggaatcgc	cggatggaaa	gaggttacag	atcgtatgtg	taaagcgaag	360
gggagcaatc	cgcaccccg	ccggtatata	catgtttggg	ctgaggaagc	cggttttcaa	420
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gaggagggat	atgcgacgaa	ggaggagttg	gaaacgatcg	cgaacggatg	gagggacttt	600
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<210> 5063

<211> 831

<212> DNA

<213> A.fumigatus

<400> 5063

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agcaacgcca	cacagatctt	ccgcaacacc	ggcaccctgg	cggtctggga	ctcggtcaac	180
cacgaacact	ccgtactgt	acagcaggtc	agcaacgtcg	tgtacgaggg	ctccaccgct	240
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aagaacaacg	tgtacaagcg	cggcgacacg	gggttctacg	gcttcgcgtt	ccgcctacag	360
gaggactggc	agttctcccc	agcgcagtcg	tacaacatcg	cgcagttcat	cgcggtattc	420
tccgacacgg	gctgcgacga	ctacatgccc	tcgagcatgg	tgtggctggt	cggaaaccag	480
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ggatggcatg	atgacaaggg	catgaagggg	acgcagggga	caagacaaat	ctggtatgat	780
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<210> 5064

<211> 315

<212> DNA

<213> A.fumigatus

<400> 5064

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tcggactact	gtacgctgga	tacttgctcc	ttgagtctcg	ccaatttcaa	ctatgttccc	120
aacctggcag	gtaaccttct	gtacctggcg	cttttcggga	cgatgttggt	ggccaatctg	180
ggactcggga	tctattaccg	tacttgggga	tatctagtgt	gtatgatcgg	tggcctcgct	240
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<210> 5065

<211> 1152

<212> DNA

<213> A.fumigatus

<400> 5065

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aagaatatgc	aagtccagca	cggcctgggtc	gcgcgaaaag	atcgctcccg	gccccagctc	180
atccagatcc	gcggcatcgc	agacgtcaca	cggggcctgg	tcagcttgct	gtggcacctt	240
gtagacgagc	aaggccgtcg	cgttgaagaa	agcttcgcta	cggcagtggtc	ggaattcgga	300
aacctatgaag	cttggctaga	ggaatgggtc	cccattgacac	acttggtcgt	cagtcggatc	360
gacgttctcc	agcgctcgc	gcacgagggc	acggccaacc	ggttgtctcg	cgacatgggtg	420
tacatgctct	ttacaatct	ggtggattac	gcggagaagt	atcgcgggat	gcaaatgggtc	480
gtcctgcacg	gcttggaagc	catggcta	gtgactctcg	ctgccccga	gcaatcgggt	540

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atgcctattc	gagaacagtc	gggctttctac	gcccggcgagc	tttacatcct	ccatgaaggc	780
cagatcgctg	gccttgttgg	aggcattact	ttccgcacgt	tccttcggtc	gttgataaac	840
acattcttta	gccctcctga	tacaatgacc	catggtggga	gtcaagcagg	aagcgtccac	900
caaccagcat	gtagtgaag	aacgctcccg	gtggccccag	cacgtcaaga	ttccgcagcc	960
agggagacac	tatgtcaagg	tcattggttta	tctcgcacag	tcattggatag	ctccgacagt	1020
agtcttgcca	ccactctcac	tccaccgacc	cttcgcgtccg	ttgctgcaag	cacggagagt	1080
ccgattgtcc	accgggcgat	ggccttgatc	gcccgcggaaa	cagcgtcttc	agccgggggca	1140
aggggactca	tc					1152

<210> 5066

<211> 1050

<212> DNA

<213> A.fumigatus

<400> 5066

agacagtgtg	ctcgcgcgcc	tcattgcaatg	ttggcgggtgt	gcgcgactgt	ggagcagatc	60
cgcaatgtgt	tggctggaca	gccgtatgaa	gtggcttgca	taaacggctc	cagtgcacata	120
accctcaggt	gctcagtcgc	tgacatcatc	aatctgcagc	tagccatcga	gcaacatgga	180
tacaagtgtg	ctcggctgga	tgtcccatat	gccttccatt	cagcccagat	ggatcctctc	240
cttgcccgtg	tcgagcacat	cgcccgcggg	gtcaccttca	aagcccccaa	catacccggtg	300
atgtccccgt	cactcggcga	ttgcgttttt	gatggcaaga	ccatcaatgc	atcctacatg	360
tgcaatgtta	ctcgcaatcc	ggtaaagttt	gtcgatgctc	ttgagacagc	gcgcggcatg	420
gacctggtag	acgcaaagac	cgtctgggtg	gagattggcc	cgcatgogtc	gtacagccgc	480
tttgtgggca	gcgcgatgcc	gccagggacc	gcgactattg	caagtttgaa	ccggaatgag	540
gataaattgga	gcacctttgc	gcgtagtatg	gctcaactgc	ataaccttgg	ggtggatcta	600
aactggcatg	agtggcatgc	acctttcgaa	agcgaattgc	gcctcctgac	agatcttcct	660
gcataccagt	ggaacatgaa	gaactactgg	attcaataca	atggcgactg	gatgctacgg	720
aaggacggca	aatcctcagc	agcagcagca	gcaagtcatc	cgcatcaagc	gattccacca	780
gcattgcgca	cctcgtctgt	gcacgtcttc	gtgtgcgaat	cagttcaaga	aactagagtc	840
gaggtcattg	tcgagtcoga	catectacac	ccagactttt	tcgaggcgat	gaatggccat	900
aggatgaatg	gatgtgcagt	agccaccacg	gtaatccaaa	cagagagccc	tttcttgaac	960
ccgactgact	ttttctccgt	ttttccaggc	gatccatgca	gacattgctt	ttaccttggc	1020
caagtacctt	tactcgagca	tcattgcctaa				1050

<210> 5067

<211> 1341

<212> DNA

<213> A.fumigatus

<400> 5067

cttcctcttg	ccaatgcaac	cgcacttgct	aactcgatca	tttctcttca	ggaattgccc	60
ctgtttgttc	ctcctcaggt	tcctctgaca	acctccacct	catcgatctc	tcctcaacgt	120
cgctcagtcg	gccaagaagg	ggcgatctcg	ccattcgctc	ggcccaacca	acgtccttac	180
aatcaacaac	agccgctacc	atctccacaa	agctatggcc	acactgagca	gacatataca	240
atgagttccg	ctcagaaccc	gatgtacgcc	actccggcga	tgcttgacca	tggctatcgt	300
ctgcgcgacc	gcgcgaccgc	acagtcgtct	ggacagcaca	acaacgccgc	cggccgggtat	360
aatggctcag	gtgtccttcc	aactcctgat	cccaccattg	ctagctgcat	atccgatgag	420
gatgtggcaa	tgcagctgat	cgggctggga	gacgcttcga	atttctctca	tggctgaaca	480
tcggcatcta	cattagacga	tgcttccagc	gggtgctgctg	acgctgcttc	ctccaccggc	540
gccaccagcg	atggtgaaga	ctacagtggg	gatgacgatg	atttgccggc	acggctctaga	600
cagaagctcg	attcgagccc	aatgcttccc	cctggcacca	ctaaacgcac	tcacaagcgc	660
cttgacgata	tcctgcccag	tttcgacagc	tcggacggca	gctacgacgg	tatggacgag	720
gactaccaac	atgaagagct	taatgacagt	ctactcaaga	gcgagctgga	cgaatattca	780

ctttacagag	agtctacacc	taagccgaag	aaggctaaga	ctcggccgac	tagtacagcg	840
tcgaccaaac	cgctgtgtgc	caagacagac	ccccacgcc	aaggcaagag	tggaaaagct	900
tcttcgaccg	cggtggctcg	taaggtaag	tcgacgacca	ctgtggtgag	tcagaacgct	960
gcaccgctgt	cgcagatcgt	tactcctacc	cctgcccga	aggcctctac	atcctccgtc	1020
aacggtcaaaa	ctcagcttgc	tgcggacgaa	gaggaccttt	caaccaagcc	acgctgtcag	1080
cgatgccgca	agagcaaaaa	gggtgtgat	cgccagcgac	cttgtggtcg	gtgcaaggat	1140
gccggtattg	gcctcgaagg	ctgcattagt	gaagacgaag	gaaacggtcg	caaaggctcg	1200
tatggtcgcc	atatgggctg	accagttaag	aaagcccttg	acgcaacctc	ccccgcgagc	1260
aatgagtctc	aattgatcag	caccatgcct	atgccttcct	catcagctat	agccgacaag	1320
aacaaaaagc	gcaagcgtaa	g				1341

<210> 5068

<211> 1155

<212> DNA

<213> A.fumigatus

<400> 5068

aatcaagggg	gaccgggcat	attgcagaga	tcccgggcac	ggcatcggta	tatcatgcag	60
ttgtgccgtg	cgctgatcg	atatggtg	catacgacc	gattagagga	atacatgacc	120
atgacggcgc	gggtcctgga	ggtcgaggga	cagtttctgt	atcttcctgg	ttgtatgac	180
atgtccttcg	atgaccctgt	tactcggacg	gcggaagtca	agctcggttcg	ttcgacgcag	240
ggggctcgatc	tgggacgatt	ggcggaacg	cacaacgttt	acaaaaatgt	cgtccatgac	300
ctgatcggag	tcgaagaagc	gatccaggaa	cttgacgaaa	tcatgaagcg	caaaccgcgt	360
tttaataaat	ggatcctggt	tccggtgtac	ggctcggctg	ggcgccgggt	cgcccccttt	420
gccttcgacg	cccggccaat	tgacatgcct	atcatcttca	ttcttgggtc	gcttgtcggg	480
ctgatgcagc	acgtcatatc	tccccgatcc	accctctatt	ctaagtgtgt	cgaagtgcac	540
gcagcagtg	tgacctcgtt	cctggcacgc	gcattcggct	cgatccgtat	aactgtggac	600
gggtcaaaaac	agtcctctct	ctgcttctcc	gctctggcac	agtcctccat	cgccctgatt	660
ctaccggggt	tcattggttct	gtgcagcagt	ctcgaaactcc	aatccacca	gatgattgca	720
ggttctatcc	gcatggtctt	cgctataatc	tattccctct	tccttggcta	cggcatcacg	780
gtcggcacca	ccgtctacgg	cctcatcgac	ggcaacgcca	cctccgaaac	cacctgccgt	840
gacctctcca	tctacggcag	caagtacata	caacacttca	tctttgtccc	catcttcgtc	900
atctgacctc	ccgtcatcaa	ccaagccaaa	tggaaacaag	ttcccgtcat	gatcttcac	960
gccacctgcg	gctacattac	caactacttc	agcacacaac	agctcggctc	ccggtcggag	1020
gtcgccaata	ctgtcgggtc	attcacgctc	ggtaacctgg	gtaattctcta	cagccgccta	1080
tggcacggcc	acgcggctac	cgccattcga	ccgggtacta	tcggccctca	gttcccaggg	1140
ccaaaagggtc	ctcga					1155

<210> 5069

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (173)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5069

atggcagtaa	caccaaagcg	agtccacact	aaccacacac	accttttcgc	tgacgtcggg	60
tggggactgt	gctgcatacc	tactattcaa	cccaggcacc	tctctgaacc	ctgtacttcc	120
ccgatcacta	cgaaccagg	cttcacctcg	gaggtgcctg	agacgagcaa	ttntaaccac	180
ccc						183

<210> 5070

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5070

agaatcgata	tcctcctcgc	cactcaattc	atcatcctcg	ccaatcttca	ccccaccttc	60
aacgtccgac	atgacgtctt	catctcgctc	cacatggaga	tcactttctt	cttgctggag	120
ggcatgctca	acttcctcgt	caccttccgc	tgtttccttg	gtcttagtcg	cttcgaattg	180
caaccacgg	gaacagccag	gggctatctc	caagagacca	ccctcagctc	caaaaattga	240

<210> 5071

<211> 432

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (392)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5071

cccagaatgg	ctcaaccgcc	ttcaaaagtt	tgtgttgaca	acctacgcct	ggcttgtgtt	60
atcactaacg	atcttcgcag	gcatggggat	gtcccggtta	actacaccga	cctctatgag	120
attgctccca	ctcaaacgcg	gactattgtt	cgtttcaccc	gggaaggctc	ggagggtcga	180
gtcactgggt	atcacgaagt	cactgtcccc	gctgcggcgg	cccacgcca	aaactcgacg	240
tctctgctgc	gcaggcctgc	aggctcgtgc	gactttgtga	gaggcgcggc	aggattcttc	300
ccatttgctc	cgggcggaat	cgacggtggt	gaggctattg	ctgaaatgga	atctgaagca	360
caggctgcgg	aacgctcaaa	aaccggtggc	anacagtccg	gcctcgaccg	cattatcaat	420
ttttggagct	ga					432

<210> 5072

<211> 684

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (112)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5072

gaggcgcggc	aggattcttc	ccatttgctc	cgggcggaat	cgacggtggt	gaggctattg	60
ctgaaatgga	atctgaagca	caggctgcgg	aacgctcaaa	aaccggtggc	anacagtccg	120
gcctcgaccg	cattatcaat	ttttggagct	gagggtgggc	tcttggagat	agcccttggc	180
tgttcccgtg	ggttgcaatt	cgaagcgact	aagaccaagg	aaacagcgga	aggtgacgag	240
gaagttgagc	atgccctcca	gcaagaagaa	agtgatctcc	atgtggagcg	agatgaagac	300
gtcatgtcgg	acgttgaaag	tggggtgaag	attggcgagg	atgatgaatt	gagtggcgag	360
gaggatatcg	attctttact	ccctgtcgag	ttcccagcct	tggagccccg	agcgccgtta	420
ctcagtgggt	tcaagcaaa	gcagggtggc	aaagaatggg	ctcacgtcgt	cgacgtcaat	480
aaacacatct	ctaacttcca	tgaactcgta	cctgacatgg	ctcgggagtg	gccgttcgaa	540
ctggatacct	tccagaagga	ggctgtgtat	cacctcgaaa	atggcgattc	agtctttgtc	600
gcggttata	cctcagccgg	taagactgtc	gttgcagaat	acgctatcgc	actggcctcg	660
aaacatctga	ccacggcgat	caca				684

<210> 5073

<211> 504

<212> DNA

<213> A.fumigatus

<400> 5073

gtcgggtggac	tgtctcagtc	tacgatttat	attattctcc	tgttaggtgg	tggctctaac	60
ggatgtacca	agactatctg	ggcaggagtt	tcagagctcc	tcgaagaagg	ctccggatat	120
cgaattgcc	tcgtaattcg	taattcgaca	tacctactgg	agtgtctcgg	tcataaattg	180
gaagagcctg	cgtcaggaga	tgcgatcgaa	cttagccggg	agatcatctc	gcaattccag	240
aattacagcg	ccaagtacga	tgaaaaattc	atcggggctg	gcttgccaga	gtccccttgtt	300
ctcaaatgcc	cagggccttg	ctcacagctt	tggttcaagc	ttgatattgt	cccgtcgtgtg	360
ctgagacatg	tagctcgtgc	gcgaaccgcc	catgatcggg	gtgaggtggc	cacgttcggg	420
ggctgggaaa	gaaaagcact	agatgagcag	gcagattcca	tggcgcgaaa	gtgcatacgg	480
tatctaggtg	cagttggagg	ataa				504

<210> 5074

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (33), (87), (132)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5074

tcctggcatt	ctcttgacc	cactttaaat	ctntatttct	tcgtcaaagg	aaagataccc	60
gagggatttg	tccaaccctt	cgagganatc	tctcatcttc	tgaacgatac	tgattatccc	120
tggacgtggc	tntgcgacat	acctgttagg	ttagcaacat	gtccaaaact	ctcatactca	180
taa						183

<210> 5075

<211> 510

<212> DNA

<213> A.fumigatus

<400> 5075

catatcggtta	ggcttctccc	ctcagctatc	gaagacggga	cggatctgga	tcccaagatg	60
aagcgcaacg	cccgcgaagt	cgagggtgat	accccgaaag	ccaaagcaaa	ggatggctcc	120
aatgagactc	agcctaagcc	aaatccgacc	tccaagcgta	tcagcatcaa	ccgcgaggag	180
attgcgaagg	ttatgatggc	tcagtcccag	gcagctcgac	aggccacact	cgggctgcct	240
ttccaggctc	gcaacgaaat	tggcaagaac	gtcccagggc	ccaaggaatc	tccgagcgtg	300
agtgtctcaga	gtcattgccc	gtccagcatc	gtcacattt	ctgccagacc	aatcacaagc	360
agccagtgtg	tgacggagcc	acaaagggac	gccctgctct	ctcggacgag	gctatcgcag	420
ccatcctcag	atacaccaag	ccggagtgtg	acaaggccca	gacctgggtt	catgcccattg	480
atttccacaa	agccattcaa	gacagaatga				510

<210> 5076

<211> 342

<212> DNA

<213> A.fumigatus

<400> 5076

cacaacgcaa	tcatcatgac	cgactacacc	gatgccaccg	ataccaccta	tggtaccacg	60
ggctatggca	ccaggggcta	cggcaccacc	gttggcacat	atggcaccac	ctacgacaac	120
ggctacggca	ccaccgccta	cgatcccacc	actggagcgt	acgaccagca	catggactat	180
cgtaccgatg	gcacgacgag	gcataccggt	gaaagagtga	atcctagcgg	gacatatcga	240
caccgcgatg	tcgaccgccg	cgatgacggc	accgtccgtg	tccatagaga	atatgacaac	300

cctaataaccg ggaccagcta ccaccgggac tatgagcggg ag

342

<210> 5077

<211> 387

<212> DNA

<213> A.fumigatus

<400> 5077

gccgttcctt	ccactacagt	caccgcgtct	tgcgatttga	ccagtcccgc	actcgaaata	60
gattgcacgc	cgtacctgct	ccagctgggc	cttacaaagt	ctcggacttc	gcttgtgtgg	120
attgctggcc	ccttgtctgg	gttgatcatt	cagcctttga	tcgggtgcat	tgcggatcgt	180
tcacgctcga	agtggggaag	gcgacggcca	tttatggctc	ttgggttcggg	tattgtcgca	240
gtgtgtttgc	tagtgctggg	gtggacgacg	gaaattgtca	gcctattcgt	gaaagatgca	300
gagaaggtgt	gtctattctg	ttcagggccg	ggttttgcca	tctgtgactc	tgccgctcac	360
tttaccaggc	aaaaaatgtc	accatag				387

<210> 5078

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5078

cgaccctcag	caacaagaat	gtccgcaatt	ggccagctga	ttagctatgt	tattggctca	60
atcgatacgg	tcagcctctt	tggcgccatt	atcggggata	cgcaattcaa	acagatgaca	120
gtaattgctg	cactctcgct	gatcggggct	gtttccgtca	cctcttattc	ggtgaaggat	180
ataatcctga	ttactgccag	gtga				204

<210> 5079

<211> 888

<212> DNA

<213> A.fumigatus

<400> 5079

ctcgatttag	gctgggtccc	cttccttttc	tacagtacta	cttgggtcgg	tgagacgtac	60
ttccgataca	aagtcccca	agacgctcca	cagtcaagcg	actttctcgg	cgaaattgga	120
cgcgtcggca	gtctgtctct	ggtcggtttc	tcttccatca	ctttcatcag	ctctgtgctt	180
ctaccgttct	gtgtgcagcc	tccggacagc	aaacgggtcca	gattcacacc	tcgcccggcca	240
cctgggatag	ctgcgcttct	taagaggatc	acagcgatac	gaccagacct	gcagacatca	300
tggatgatat	ctcatgtgat	gtttgctgcg	accatgatct	ttgcacctct	ggcccggtct	360
cgggcatttg	ccacatgcct	cgtggccctg	tgtgggtatcc	cgtggggcgat	cagcagctgg	420
gcgcctttcg	cattcatggg	agtggaaatc	aacaagctgg	cgatgggacc	tgacgcccga	480
gcgcgctctt	ctggcggtgac	catgattact	tcttctacta	tccgttccag	caattttgac	540
acggacacgg	agatggacgt	cctacgactc	aaccaccatg	atacggacag	tgacagcgat	600
tccgatgacg	acgcaaatat	tccttccact	ggcgaactgg	ctggatatcta	cctcggcggtg	660
ttgaatgtat	acactacgct	cccgcgaattt	gtcggcacat	tcatacagttg	gatagtcttc	720
agcctcctcg	aacctggtag	tacgaaacgg	gacgattccg	cacaggactc	gcaatggata	780
cgccgagata	aagagggctc	taatgctata	tccatctgcc	tgtttgtggg	tgccctgtgtg	840
gcacttgtag	ccgctgaagc	tactcgacga	ctacgctatg	ctcgtctga		888

<210> 5080

<211> 183

<212> DNA

<213> A.fumigatus

<400> 5080

acaccgtccc	tctgggaaag	aagtcacat	tattatcggt	cttgcctccg	tgacacctcat	60
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ttgacgctcg cagcagctaa atctctcagt tcgctggctg attgcaacca gaaggctctt 120
catgaaaatg atgtctcgtc ttccttcctt tccctttcct ttcatacatt taactgctgc 180
taa 183

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<210> 5081
<211> 309
<212> DNA
<213> A.fumigatus

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<400> 5081
aagaaaagca cacaaccgct tgcgttctgg ttcaagattg gcaggcttct caagaaccgt 60
ggcacgtcac ctgtgaacaa gtcaccgcca agtatctttt acgtgtctgt atgcggtgtaag 120
tataccaccc tggctacttc ggacaactgt cttcggaaca cgcgcgacct ctccctgtca 180
acaaccaca ctcgtcacgg aattgttgca cggatttggg tagtttttagc atttggaatg 240
aaaattattg gaagccgaaa tgatatgaag attttagaat tcatcgttac cacgaagtac 300
agaaggtag 309

```

```

<210> 5082
<211> 183
<212> DNA
<213> A.fumigatus

```

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<220>
<221> unsure
<222> (86)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 5082
agtctgcctc ggatcagtc actgctacag aacaggatca ttcaattggg ctatttatatc 60
ctgctctccc ttttagctca gattgnggat tttgtggaag gtggggcacc tacccttggt 120
tattattttac tagaaagtct atggaccctg accagggttc tgaagggtcg gtttgaattt 180
gga 183

```

```

<210> 5083
<211> 828
<212> DNA
<213> A.fumigatus

```

```

<220>
<221> unsure
<222> (797)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 5083
ccgctgatga caacgacagc cttctatctc agaccaaata gccaaacaaa acacctgtgg 60
actatttata tctgccagca cggcgacgac cccgagcccg cctacacctt gcgttaccct 120
gatccgcctt cccctctctc caagaaccgc tatgccgtcg cgctctgtga tcccttcgta 180
ccgatgtcg tctacggcga ggtcttgatc atcccggaat ggacacaacc cagtctatcc 240
gccgaggcga tccgcctgaa cggcgggggc acacctccgc cagaagccat tctcccctcg 300
cagttcatcg tccagctgta caaccggagc cagcaggtga cgatccgcta caagcacaag 360
acgtggaata caccggcaac atgggaattc gagatgccgc agcatacctt cgcacaacca 420
tcggcctcga cgctcgaccg cagcgagact gaccgggcc tggctgacac gaccccgaaa 480
ctccggttca gctggcgcaa ggatagcaag ttgtccaagg accttacgtg tctgctcctt 540
ggaaagacgt cgacactgcc cggagggagg acgaagagca aggagccgga tatcacggtg 600
tcgatcttca aggtctctac ggagttgacg ctgtacgagc cgaacatgta ccgggttgag 660
atggaggatt tcaaggggct ggagattgta ctcttgctgg gagcgggtgac cattcgtgat 720

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gtctacttca ccccgatgaa ggacgcgttt cgaatcgtag gggatgaggt gggaaggaag 780
 cctggggctg atccttnttc atcaggacga gccgggatcc gttcatga 828

<210> 5084

<211> 1560

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (91)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5084

caaggtgatt	ctaggatcga	aagaccagcc	tcttcatctg	catcctgtga	ggaattcgcc	60
cattatcccc	tcttcaaccc	acgcaacctt	ngacacaacc	atgcagcgct	tgcattctttg	120
tgccgtgaaa	gtgattactg	tcgatctcga	gcattctagag	cacaaagttc	agttacctgg	180
atgcaggatt	tgccaaggag	gtcactccgc	aaagcgcgat	cgggtctgct	agcccttcgt	240
tctggaatgc	aaagacgacc	cattccaggc	ggccacgctc	ggagaagtga	tatacatagt	300
atcttggtcct	cgagagactc	tagagagggc	tcattctgac	attttccgct	gtcagtgtcg	360
gatgcgagta	cagaagacga	tcacgagttc	ggcaccggtc	tctatcgaac	agctcgaaac	420
cagtcattcct	caagcgaagc	tctgaaagat	cacagccata	gctctatacc	tcccacatcg	480
ccgttgccctt	gtaccgtccg	tgagggccca	gaggacattg	ggttgaggaa	atccctagct	540
gcacaggaata	agagaggagt	caatggtacg	tcaggagcag	gggtggatag	tgcggtggag	600
acagcgacga	cgggtggggc	acctcgagag	cacgtcaccg	agcctgagca	ccactgttac	660
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ctcagggcac	tgacgaatac	gcaggaaccc	tcagaaatga	gatccagcga	gcaagaagag	1440
gaatctgcga	gctgcctggt	gcccggctct	gacgacaccg	attcctttgg	aatccaaaat	1500
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<210> 5085

<211> 1338

<212> DNA

<213> A.fumigatus

<400> 5085

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gtggcggttg	tgctcggtgc	actggcgctc	gtgttggtgc	tggtatcgat	cgtggacca	180
gaactgttct	tggtgattcg	aatcacacat	gaccgaacag	ttctcttcta	ccttggcgtg	240
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ccggaatatg	ctttgctcga	agtgatcaac	tatacacatt	acgctccgag	ccactggaaa	360
gggcgattgc	atagtgcaga	agtcggagg	gagttcacgg	aactttacca	gatgaaaatt	420
gtgatcttcc	tggtgagatg	cctgagcatg	atattcacgc	cttttattct	ctggtttaat	480
ttacccaaat	gcagcgaccg	tcttatcgac	ttctttcggg	agttcactgt	tcacgtggat	540

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ggaatgggggt acctttgttc atttgctgtg ttcgatttta agaaggggaac caatgtgata 600
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aaagatggca aaatggtggc atcttactac ggattcttgg acaactacgg tgccaatcac 720
cgtggcagcc atcctgctac tagacgacaa ttttatccgc ccccgccctt tcctactctt 780
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gaagacgggg atgatgacaa cacagagggc ggagagaacg tcgatgctat tgctgggggt 1260
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acagcggttg gtttatag 1338

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<210> 5086

<211> 294

<212> DNA

<213> A.fumigatus

<400> 5086

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catgtctctt tcacggcgcc actccagcta actgcaactc acagatacca agtcgtgatc 60
atgtccaacc agaagaggat cagcctgcag aaagatctga agggcgggcc agccgattcg 120
aagagcttga ctaatttcaa ggaaagggtg acaggcgtga tgcgccagat agacatcccc 180
atcagcgtct atgccgccac agcagacgac gagaatagaa aaccgcgaac gggaatgtgg 240
aaggagtttg tggaagtctt caccacgggg gtcgaaggat ccgagctaag cgtt 294

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<210> 5087

<211> 396

<212> DNA

<213> A.fumigatus

<400> 5087

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gcgtaccgta aaccgggact ggtcaatgtc cgtgtaggtg ccagtcagga tctgcagggc 60
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ggccctgttt ccgaggctga ttttggcgca cctgcttcac cggtcgccga ccaagatgcg 180
cacatgtcag ggacggatga gaagtctgcc gtccgcccgc actactatga ttacgagaat 240
caaccctgga aattggaatt tagggatata cccgaggcag cgaccgggtc ggccgtcaca 300
accgggctga tggccagtgc tagtctccct aaaggcgatg ttacagtccc aatgaatgcc 360
tgggggttaca agtcagtcgt tatctccttg ttttag 396

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<210> 5088

<211> 324

<212> DNA

<213> A.fumigatus

<400> 5088

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caattgccag ccctaaatga aatgacaccg cttgacagga gtggaggcta cgtcttacag 180
gccgccatca cagtccagga tggcagcaat caagagacta tgaagattgc ctctcagcat 240
ctctttgggc taaggggagca attgaaatct gctgttcgcc tggacaagc agatcggtg 300
tccttgata ctcgagcaaa gtga 324

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<210> 5089

<211> 255

<212> DNA

<213> A.fumigatus

<400> 5089

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gcatgtctct	ttcacggcgg	cactccagct	aactgcaact	cacagatacc	aagtcgtgat	180
catgtccaac	cagaagagga	tcagcctgca	gaaagatctg	aagggcggcc	gagccgattc	240
gaagagcttg	actaa					255

<210> 5090

<211> 639

<212> DNA

<213> A.fumigatus

<400> 5090

actttgccgt	cctcagggtg	cacctcccaa	gagatgtacg	agctagagcg	gcgcgcgatc	60
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ctccgctacg	aagtctccgg	ctttcaattt	gttcttgctc	aggacgcga	cggaaacatc	180
aacgccttcc	acaatgtctg	ccgccaccgt	gcattccccg	ttgtcactga	agaaaaggga	240
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ccaatccacg	tgcacatcga	cgccaacggc	ttcatctggg	tcaatctgga	cgcaggcgag	420
aaacccgagg	tcgcctggga	ggatgacttc	aagggaatgg	accggctgcc	ccgctatgaa	480
cacgtcaagt	gggacgactt	cgcctttgac	cacacttggg	agcaggaggg	cgagtataac	540
tggaagattc	tggcggacaa	ctacaacgag	tgctatcact	gcccgcaca	acaccctgac	600
attccgtcca	ttgctgatct	gagcgcctac	tccctctaa			639

<210> 5091

<211> 432

<212> DNA

<213> A.fumigatus

<400> 5091

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atctacagcg	gcattatgtc	cgaggacaag	tacctctgcg	acctgacgca	gaagaatctg	180
aatccggcg	tcttcgtcaa	cggcgagctg	caccgggaga	tggaaaagg	accgctgtac	240
ttccagaaga	cggctccggga	tctcgtgggt	gagcactacg	aacgcgagca	aaaggccaaa	300
caggagatct	ggcccgcgag	gcagaacctg	ccgaagactg	cgaccgtcag	cgagaaggat	360
atttcgttct	gctctagttt	gagctgccag	acaacggagt	gtgtgcagcc	gcctgcgact	420
attgcgtggg	ga					432

<210> 5092

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 5092

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gatcctcgcg	gctacagcgc	catcatcaac	ggcgaggccg	ccacattcct	cgctagcgag	180
aatggcgagc	cgagcatgga	tcctcgcgtc	cggctgcaga	cacaggtcac	gcagattgag	240
tactccgaca	aaggcgccac	gatccgcaac	cgcgacggta	gctgcgtgga	agccgcgtac	300
gcgatctgca	cattctccct	tggtgttctg	cagaacgacg	cagtcataat	ccgtccggca	360
ctccccgggt	gaaaacaaac	cgccatctac	aagtacacca	tgggcacata	tactaagatc	420

ttcatgcagt	tcgaggagat	gttctggccg	aacgacacgc	agttcttctt	gtacgcgtcg	480
ccgacggcaa	gagggtagct	tcccgtgttc	cagtctctgt	cgatggaggg	gtttcttccg	540
gggtcgaata	tccgtgttgt	aactgtcgtg	gatgcggaag	cctatcgggt	ggagcggcaa	600
tccgaccggg	aaacgcaagc	tgagatcctc	catgtcctcc	ggcaaatgtt	ccctgacaag	660
cacattcccg	aaccgaaagc	gttcttctac	ccgcgctggg	cggaagagcc	ctgggcgtat	720
gggagctact	ccaactggcc	ggtgggtacg	acgctggaga	cccatcagaa	tctgcgagcg	780
aatgtacagc	ggctgtggtt	tgccggcgag	gcgacgtcat	cggcgtatct	tggatttgcg	840
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aagtgtgtta	cgttgacggg	gcagaaggct	tgtggagaga	ggaggcacta	cgagggtgctc	960
cacgggacga	cgccgttga	ggcatataac	gccatcaatg	ggtggcccat	gagtagcggt	1020
gatctgtag						1029

<210> 5093

<211> 546

<212> DNA

<213> A.fumigatus

<400> 5093

actgggaate	cgcccaaaca	cccgatacca	gctcgctcgt	cttcggcctc	gccgccgaga	60
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gcgccatcat	caacggcgag	gccgccacat	tccctcgtag	cgagaatggc	gagccgagca	180
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ccacgatccg	caaccgcgac	ggtagctgcg	tgggaagcgc	gtacgcgac	tgcacattct	300
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aaaccgccat	ctacaagtac	accatgggca	catatactaa	gatcttcatg	cagttcgagg	420
agatgtttctg	gccgaacgac	acgcagttct	tcttgtagcg	gtcgccgacg	gcaagagggg	480
actttcccg	gttccagttc	ctgtcgatgg	aggggtttct	tccggggctg	aatatcctgt	540
ttgtaa						546

<210> 5094

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 5094

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gcgcggttag	aagaacgctt	tccgttcggg	aatgtgcttg	tcagggaaca	tttgccggag	180
gacatggagg	atctcagctt	gcgtttccgg	gtcggattgc	cgtccacccc	gataggcttc	240
cgcattccacg	acagttacaa	acaggatatt	cgaccccgga	agaaacccct	ccatcgacag	300
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gtcgttcggc	cagaacatct	cctcgaactg	catgaagatc	ttagtatatg	tgcccatggg	420
gtacttgtag	atggcgggtt	gtttccaccc	ggggagtgcc	ggacggaata	tgactgcgtc	480
gttctgcaga	acaccaaggg	agaatgtgca	gatcgcttac	gcggcttcca	cgcagctacc	540
gtcgcgggtg	cggatcgtgg	cgcctttgtc	ggagtactca	atctgcgtga	cctgtgtctg	600
cagccggacg	cgaggatcca	tgtcggctc	gccattctcg	ctagcgagga	atgtggcgcc	660
ctcgccgttg	atgatggcgc	tgtagccgcg	aggatcgatg	accagctcgt	tgcgcgcccc	720
gaactgttgg	aagggtgat	tctcggcgcc	gaggccgaag	acgagcgagc	tggatcggg	780
tgtttgggcg	gattcccagt	ctacacgtgg	gatcagttat	gtcgatctcg	aagtcgatct	840
cgaagtggcg	ggagacgtac	cccaattcca	ccattccact	gcttggtgctg	ccgaatcatc	900
tttccgtggc	cgcagccggg	ccagcgcgag	gccagtcg	gcggctcggg	cctgcagatt	960
ctcggtcagt	atgcgtcctg	cttctctaga	ggcagtcg	taggcctcgg	catactcgcg	1020
ctggagatgt	cggtagtcgg	tgtatccggg	ctcgttgtag	gtgcgtatcg	agctgtagtt	1080
ggaactgtgc	actgtcaagt	tgtgttttct	tgcctggggc	tgggtcaatat	ttgccgtgga	1140
tccgaggaga	gacgcaccag	ctgccaaata	gggttctctg	tgcattgtcag	catgagtcct	1200
cacacggggc	tgggaaggacc	gacgggtggcg	taa			1233

<210> 5095
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 5095
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 taccgtaagc tcgtcaaacg cctgtcggtt tacttgacta actcaagcta tttctccaag 120
 gccattgctg ccataatcgac ccacttccat gctacgacag atatcgggtg gtgcggagct 180
 acctatccgc tcacaatgtg cgctcttcaa ccgatcagtg gcaagctctc ttcattgctg 240
 tcgctgcgat ggacatgcct cgcgttctac tgcgtattcc ttctaggatc tctgatttgc 300
 ggtgtggcaa acagttccaa aatgtgcata atcggaagag cagtcgccgg tgctggaggc 360
 tccggggtag tgtcaggcgg tctctcagtc atcgcatgta taacaacccc ccagcagcgt 420
 cccgttgctc actggccttg taaacctctc tttatgcctt gggacctgtc ggtcgccccc 480
 aattatcggg ggcgctttgg ctga 504

<210> 5096
 <211> 759
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (114)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5096
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 gtcctcagta tctacggaag ttgcttcttg cgctgtatta tagccaaaca cctcagagac 180
 tataatccgt ggctcttctt tggttctgcc tttctctgca ttgcgaatgg gcttgacacc 240
 acttttaccg tgtcctcaac gtccgcatca tggatcggct atcagatcct ccagggcctg 300
 ggttgtggac ttgccgccc aattccttta cttacaattc agctgggtact gaaggacgaa 360
 cctcgctcca ttccagtcgg gatagcgact gtcctcttca cacaatactt tggaagtgcg 420
 gtgatgcaaa gcataggagg cgtatctttt cagaacgcac tgcgaaggca gctgcatcag 480
 gcatcactgg ttgacaagca gatcgagatg cttcttaatg ctggaacttc acgggtgcgg 540
 gaagtgtctg tacaggcatt tccggaccgt ttggccgata ttattgttgc atacaataac 600
 gccatcacac ctgtctttat gagtcaatct tttcaaattt ctcacctaca ccttaagcgg 660
 accttgetga ccctgctagt atcttcagat agctggcagt gctctagcat ttcttctatc 720
 ggcaggaatt tcacgggtca atacaacca ggaagataa 759

<210> 5097
 <211> 1251
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1202)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5097
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 ggtccggatg gttcttcgaa aggtgctggc ccgatggcac gtatggcgac tgggggtgct 120
 ttgaatagcg agtcccgccc cttgccgcta gacttgaggc agtcaagggc tgctcaaaag 180

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cctcctcttc gtcagttgat cctcgacggt gactactacc ttgctaccgt tctctcctcg 240
acgttaacga aacttgtaat gcgccactcg gaggtctcgc aggacgtcgc tcggacgaac 300
gcactacgcg ctgaagcgat gttgatcatg atctctatta tccgctcgg acagtctcag 360
tttgtcaagg ctcccattga cgaagattct attgatcgta tcatgtgctg cgtgcgctct 420
ctcagtgagt tctctcaaag aaaggagttg gagactacct tcctggaaga cacacgtaaa 480
gcattccgtg atatggtaca ggtggaagat aagaagcgtg cggccaagga agctgttgag 540
aaggccaaga ctgctgttca ggttgacgat gcgattccca tccggcagtt caccaagaag 600
tctggtcttg agggcgcaga ggaaatggaa cttgacctgg ccaaggctac tggcggcgat 660
tcgacagtgg agactgtggc ctogaagttg agccgagttg tgcaacttac cggcttctcg 720
gaccagctct acgccgaggc ttatgtcacc gttcatcagt ttgacattgt tctcgatgtg 780
ctccttgtca accagactct cgagaccctg cagaacctgt ctgttgagtt tgccactctt 840
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aacgtacagg ctacagtcaa ggtgtcatcc acagatacgg gtgtcatctt cggcaacatt 960
gtatatgatg gagcgagctc gactgaaacc catgttgta ttcttaatga tatccatgca 1020
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accgagttcg agtgggagaa caaggccaac atcaactcca acgcgaaaag ccttcgcgag 1140
ttcctcaagc aactcatgga gagcaccaac atggcttgct tgactccaga agcctcactc 1200
anagggagat tgccggttct tgagcgccaa tctgtatgcc ccgaagccta a 1251

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<210> 5098

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5098

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ccgctcgcga gcacccctct tctgcaagac tggctaggtg atgaccagcc caagcgtcac 60
cgccgcgagg ttcacttccc gacaggccgg ttcggcgagg ccatcgagca ggcgcagtcg 120
gtcgtgttcc ttgccagcga cgagagcagt ttcgtcaatg gaagcgattt tgtcgtagat 180
ggagggcatga ccaaggtatg a
201

```

<210> 5099

<211> 558

<212> DNA

<213> A.fumigatus

<400> 5099

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tggatttccc gcagtggcat cggctctgaa accagtatcc tcttcgctcg cgaagggtgcc 60
aacgtcctga tggccgatat ctccgctccc gctctcgaga aagccctggc taaagtcaag 120
gaagtcgtcc ccaacgcgcc ccgagtcgaa acaatcaagt gcgatgtctc caaggaatct 180
gaagtgcagg ccatggctga gtcccaggat agctgggggtg gaacggacgt gatgttcaac 240
aacgcgggga tcatgcacgc tgacgacgcc gatgcggctg ataccaccaga gaagatctgg 300
gatctgacac agaacattaa cgtcaagggt gtctggtttg gctgcaagca tgccgtgctg 360
agtctgcgtc gtcacaagaa gaccaggggt agcattatca acacggcgag tgtgggtgcc 420
ctggtgggaa gcgcaacgcc tcagctggcc tacacagcca gcaaagggtg tgttctcgcc 480
ttgactcggg agttggctat tgtccatgct cgtgaagggt tcagggtcaa tgctctctgc 540
cctgctccgc tcaagtaa
558

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<210> 5100

<211> 321

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (133)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5100
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cctgccatgc tccagggcat gccagtgggc gagattgatt caaatgctgc tttcgaaggt 120
gtcccaggta tanatgccat tatgacttct aacagcatgc tggagaacca gcagtatcat 180
tttgaaccaa atgcgttcga tctcatgaat cagggtgcaga acgattacaa caagactgcc 240
ctctaccagc aactcagcct tcccaggggt cagatcggag agaactttga gttcactgat 300
tttatctctg attgcttcta g 321

<210> 5101
<211> 468
<212> DNA
<213> A.fumigatus

<400> 5101
agtgcgcaa tgcgcgggggt cttctggctc cctgtggtga agacgggttc gcatgcggga 60
agtctcgacg aagacgcagc ggccatcagg cacttcatga actgcaagcc cgaattggag 120
ttctgtgttg cgcagtcggt ctccaagaat ttcggtctct atgggcagcg cactggcgca 180
ctgcatgtgg tcacgagttc gagctcgggg actttgccgc aggttgtgtt ggccaatctt 240
tctcatctcg ttctgtggaga gtattccatg gctccccgag gcgggtccga gattgtacgg 300
accgtctca gcgatgaggg gttgagacag caatgggatg aagatttgaa gcacatgagc 360
ggcgcatca agcagatgcg ccaggcatta tatgacgagt tgatccgact gggcacacca 420
ggcacatgga accacgttct ggaacaggta ggccttattt cggcctga 468

<210> 5102
<211> 237
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (33)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5102
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gaggacgtca aggagtatca ggaactcgag accgagattt ccaccctcgt cgggaagatc 180
tgtgggactt atggttaagtt gttgtccgctc tgtctgggtgg ccacttttct ttgctga 237

<210> 5103
<211> 495
<212> DNA
<213> A.fumigatus

<400> 5103
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tttccaccct cgtcgggaag atctgtggga cttatggtaa gttgttgtcc gtctgtctgg 120
tggccacttt tctttgtctga ctatccagcc acccccaggg gcgtaccact gatctacatc 180
caccgtccg tttctttccc cgagctgaca gcgtgtact gcgtcgcaa agcctgtctc 240
atcaccgccg gacgggacgg tatgaacctt gtggcctcgg agtatgtcgc gtgtcaggag 300
aaccgatacg gcgtgctggg tctttcgga ctggctggcg cggcttcttt cctgggcat 360
ggcagtgtca ccttccatcc ctccagcact cgcgagctcg ccaatgccat ccaccaggcg 420
gttacgatgg acgacgggga gaagaagcgg cgtcaccagg agctacgcga gtttgtcacg 480
actcatacga ggtag 495

<210> 5104
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 5104
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 ctcaacctcg attccctgat cctcgatata cttcatatac tggtgcgctt gttcttccat 120
 ttcatgcatg tacattcgcg cctgttcttt gatttcattc atacattcat tggccgtatt 180
 gcgtacttcg gaattaccat cgtcgacctg ttcacggaat tcggcctcgt tcattttgtg 240
 ctcgctgtag atctgatcac gacactcgct gacagctcta tcgacaatct cgttgagaac 300
 gtgtga 306

<210> 5105
 <211> 759
 <212> DNA
 <213> A.fumigatus

<400> 5105
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 tcccccaac tgataggctc tcccaccgaa gagaatacgc cgagtacttt ctccccgtca 120
 ccgcccgcga ttctcccaac tgagtttacg catgcttctt ctgctggccg cacagagcgt 180
 aacagactta gacgtcttgc aaatgaactc cgtgggtctt ccgatgacct gattcgcgaa 240
 ctcttaatac aatcaggaca ccaacatctg ctggccaacgc caccagacgt agaccgtgac 300
 atagagaaaa tgcgttttgc cgagatcgag acgattgagc gtcgcctcaa acattatgtc 360
 gatgagatga ttgagcgccg cctcaaatca cacgttctca acgagattgt cgatagagct 420
 gtcagcgagt gtcgtgatca gatctacgac gaggacaaaa tgaacgaggc cgaattccgt 480
 gaacaggtcg acgatggtaa ttccgaagta cgcaatacgg ccaatgaatg tatgaatgaa 540
 atcaaagaac aggcgcgaat gtacatgcat gaaatggaag aacaagcgca acagtatatg 600
 aaggatatcg aggatcaggg aatcgagggt gagatgtctg cgggaaggaaa agttgcaaag 660
 ttgaagcgct ggttcaatgc tgctggtcag tccttactta gcagcaactc cagccctagc 720
 cacgagccgg gtgccaatgc caggcgccgc tccgtttaa 759

<210> 5106
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 5106
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 gagtacctgt tcgctatctc aatcttcttt cccatctccg gacttcaatt tgtcttcttc 120
 cgatgctcct cgctctatca caacagcttc gacaaccgat cacaacttct ccaaccctac 180
 gtataa 186

<210> 5107
 <211> 1395
 <212> DNA
 <213> A.fumigatus

<400> 5107
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 actaatgcgc agccgtcatt cgaagactcc tggaagccaa ggagctttta cgagcagggc 120
 gtacaggacg atgctctcag tccagtcata gatttgatg cagctctagg acccttcaac 180
 acactgata tgcgtgccga tagggttgtc gggagtggat tctcggctgt atcccagcgt 240
 atgtacagtg gtggacgacg ggggtgaatc gtcggacctg aaatgcgcta tcatcgacgg 300
 gcggaaagtg ctccggagat gcctcctttt gatcgtagtt ttctcaacaa tcgccttata 360

aattcctcca	gcttggaaaa	tcctgatgtt	ttttatgagg	aagaggagga	cgcttttttg	420
gcggctacta	gtgaatctcc	gaaggacaat	cagacagcct	ccgaatctaa	tgctgtccca	480
caaccagata	cttcggacca	gataacggta	catagcaagg	ccacgtccga	cacgtgact	540
cgaaggctcg	cggatgccgc	atccagcaca	gaaagagctg	gcctcggcat	ccagaacaac	600
gaggggaacag	acccggaggc	ccccgcccc	gctcctgcga	gccaggagac	ctttggggat	660
tccggactat	ctgcacatga	gagggctgtt	gaccggctcc	acaatgctag	gaatcctttc	720
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tcgctatctc	aattctcttt	cccatctccg	gacttcactt	tgtcttcttc	cgatgctcct	960
cgctctatca	caacagcttc	gacaaccgat	cacaacttct	ccaaccatc	gtataatcca	1020
tctgtggact	atcatcagtc	ttcagtagac	gatgtgccgt	cattgaccag	cagtgtgtcg	1080
accacaacaa	atccggttga	tccgggtctca	ggcaccttct	tccatggttg	tcgaatttcc	1140
actgaccgct	cggtttctat	ctctgcccc	ggcactcgcc	gcagcagtc	agctcacagc	1200
cagaagaggt	caagcttggc	tagtttatcc	aaacttggtg	gtggtcctca	tggcgagaga	1260
agcaaactga	gctacgagga	aaagcctccg	agtgatgtat	ctgagaagtc	aaagaagaag	1320
agccgtcgta	tcagccgtct	cgtgcatttt	tggaggacga	aagataagga	caagctgaac	1380
agggaggctg	tttaa					1395

<210> 5108

<211> 414

<212> DNA

<213> A.fumigatus

<400> 5108

ctcactcacg	ttgctagatc	ttgtcttcag	gagcttcaaa	cgtcaaagtc	acacctggac	60
gcgcttttgt	ctgacacatc	gtccacgctc	gacctccttc	gtagcctctc	cgaatccttc	120
aaggccgtgg	aagctcaaac	atcgaatttc	cgggaagcaat	gcgagggcat	cctatctgcc	180
caaaaacgtg	acacagagct	agcagagaaa	atacaagaga	acatccaata	ctatgagttc	240
ctggaccccc	cttcaaggcg	actcaacgct	cctggggctg	gaaatgctgt	tcgtagccaa	300
gattttctcag	atatgctcag	gcggtcggac	gagtgcctgg	attacatgga	gacgcagtgt	360
agtattgcag	tcgtgccctg	gattgacgag	tcgactaact	ctttcccagc	ctga	414

<210> 5109

<211> 648

<212> DNA

<213> A.fumigatus

<400> 5109

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gtacgttcag	cattgatact	tgtaaagcg	tttctgtgtg	aaatcccagg	tttcagacgc	120
cttcgtctct	tctcagttgt	aaaaaacaac	acactttcat	atccaccgcc	tctgaagttc	180
tggctaagtc	gcttattcaa	aggatatgat	tccggtgtga	tgaccgatgt	tattgcgagt	240
cctaatttcc	tcgccttctt	caacaccaac	aagacttccg	ccattatcgg	ggccattaac	300
agtacattca	atggaggcgg	tatgtattcc	ctttcctact	gcaattctgc	tcattcactg	360
acaaaagactg	cgatagccgc	cattggggcc	cttcagggag	gcctgacgat	ggatcggttc	420
gggcgtaaat	ttaccatcca	gatgggtgct	cttatctgtc	tcgtcggcgc	tattcttcag	480
gcttcggcga	tgaacctggc	catgattctg	gtcggccgta	tctcgcagg	atgggctgtc	540
ggtctcatgt	ccatgtccgt	gcccgtctat	caggccgagt	gcgcgcatcc	tcgtctctgc	600
ggcttgatcg	ttggactggt	cttcaccacg	gggtggaaga	aagcgtcc		648

<210> 5110

<211> 1380

<212> DNA

<213> A.fumigatus

<400> 5110

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aacaatatct	tctactcttt	tggcgctgat	ggagtgggaa	ccttcgtgtc	agaggggtga	120
gacgaagccg	cccgcgtggc	cgttggcaag	gacgtcttgg	gaatcatggc	agtcaaccag	180
cttgacatca	acggcctttt	cacgccagga	accgttgtcg	ttgactacct	cggcaagcgc	240
atcgtcggcc	atagcattgt	gccggggatc	ttcaagcagc	gcgagcccgg	tgagcaccaa	300
attgattacg	gtgggtgttga	gggcaaagac	gtcgtcgcga	cacatcccga	cttcgtctcc	360
gtctttgaaa	agatgtccaa	agcgtccgc	atcaagaagc	accctgtatg	ggacaaggaa	420
ggcaagcgc	acgatcttga	aggcagcgtc	gaaaccaagg	gtcttttggg	caccgatggc	480
cgcaaatatg	tccttgatct	ctaccgtgtg	acgcctcttg	atgttgtgtg	gcaggaagaa	540
cccggcagcg	aggactatcc	tcaccgcatg	tcagtctctc	gattggagct	ggttgaagcg	600
tactggaggt	cgaagatgag	ccagtatgtc	aaggctgaag	ttgagcgccg	ccgtgccgcc	660
aaagcccaag	aggacgctgc	caacaaggag	cagccctccg	aaactaccga	atcgaaggaa	720
ggggaatccg	aggagaaggc	cgaagaggct	cttgatcaag	agcgggtgga	tatctccgga	780
ttccagctcg	cgctcaacc	cgatgtctgc	agcggccaag	ttcccagac	agaggaggag	840
aagaagcaat	gggctgagga	cgaaaaggag	gtccgcgatg	cttgcgagtt	cctgcgttca	900
aaggtcattc	ccgagctgat	tcaggacttg	cacgatgggtg	acgttggctt	ccccatggac	960
ggacgatccc	tcagccagct	cttgacacaag	cgtgggtatta	acatccgcta	tctcggcaag	1020
ctggctcagc	tctccaagga	gaagggtctc	cgcctggaag	ctctgaccac	tttgctgggt	1080
caggagatga	ttgctcgtgc	cttcaagcac	atcgccaacc	ggatatcttcg	caatgtgcct	1140
gcgccttttg	tcgcgtcctg	cgctcgccat	ctgctgaact	gtctcttggg	tgcggaagtg	1200
aaccgaaac	ctagcgcgga	gattgatgct	tccctccgcg	agatctatcc	cgagggtgac	1260
ttttcgtttg	agaaggttac	gccagagact	ctgcgcgcgcg	aggttgagaa	gcagggttact	1320
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<210> 5111

<211> 474

<212> DNA

<213> A.fumigatus

<400> 5111

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gaaccttcgt	gtcagagggg	ggagacgaag	ccgcccgcgt	ggccgttggc	aaggacgtct	120
tgggaatcat	ggcagtcac	cagcttgaca	tcaacggcct	tttcacgcca	ggaaccgttg	180
tcgttgacta	cctcggcaag	cgcctcgtcg	gccatagcat	tgtgccgggg	atcttcaagc	240
agcgcgagcc	cgggtgagcac	caaattgatt	acgggtgggtg	tgagggcaaa	gacgtcgtcg	300
cgacacatcc	cgacttcgtc	tccgtctttg	aaaagatgtc	caaagcgctc	cgcatcaaga	360
agcaccctgt	atgggacaag	gaaggcaagc	gccacgatct	tgaaggcagc	gtcgaaacca	420
agggtctttt	gggcaccgat	ggccgcaaat	atgtccttga	tctctaccgt	gtga	474

<210> 5112

<211> 810

<212> DNA

<213> A.fumigatus

<400> 5112

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aaattcttcc	caaattggc	cctttctcac	ggcgctctag	gttatctcat	cccgccatgg	120
aagatgcacc	cgtgggttcaa	atggctgatc	tggataaata	ccgttcaata	tgcatattgaa	180
gctatcatgg	ctaattgagtt	ctacaacctc	gacattcagt	gcgtaaggcc	aaatattgta	240
ccggacggtc	ccaatgcaca	gcccgggtc	caaagctgtg	cgggccaggg	cagcactccg	300
aatcagctgg	ttgtccaagg	gtcagagttac	atcaagactg	ctttcacata	cagtcgttct	360
catctatggc	gaaacttttg	catcatcatc	gcgtgggttca	tttttttctg	tgctttgacg	420
atgctcggta	cggagttgca	gcaacccaac	aaaggcggca	gctcagttac	aacatttaag	480
aggaaacgaag	cgccaaagaa	tgttgaggag	gccgtgaaaa	ataaagaact	tcctgaggat	540
gtagaatcag	gacagaaaga	gaatgccgtc	aatgctgatt	ccgagaagac	ccaaccggga	600

gagactggtg	atgaagtcaa	agacatcgct	cagagcacgt	ctatcttcac	ttggcaagat	660
gtcaactaca	ccatcccgtg	tgagggcggg	caaaggaagc	ttcttcagga	cgtccacgga	720
tacgtcaaac	cccgcgcct	tactgccttg	atgggagctt	ctggagcagg	gtcagtcag	780
cccacatca	ttttgaaacc	aagtagctaa				810

<210> 5113
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 5113						
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catcagcagc	agcagcagca	aaggtcatca	agttccccac	cgctcatga	tggtgctcct	120
ccttcattct	ctgttcaacc	ggcagcgccg	ccgtcctctc	ctcctaaacc	ctctcctcca	180
gtggcagcag	cgccagatga	tgaatggcag	aataacgatg	cgcaaccacc	gacgcaggaa	240
tctcagggag	gagcagaagg	acaatatgac	ccatgggcag	cgagtgatgc	agcacaagcg	300
cagaactctc	aaggtccaac	tgagggcgga	tggaaagcca	atgacgcttt	cgctccaaca	360
cagcacactc	agggacagtc	gccagggaat	aggaaagtgt	gcgacggtag	aactacgaag	420
acgactgagg	aagcaaagcc	agccgaacca	gaggttacct	ggtag		465

<210> 5114
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 5114						
gatctagaag	tccgacgacg	atactccgag	ttocttctct	tgcgacagac	gctgggtcaac	60
cttcattcca	cgctcgatcat	ccccccgatc	cgggagaagc	atacaatggc	cgattatgct	120
gccaagccta	caaaagccaa	ggaagactct	gctattatcg	atttgcgcaa	gcggtatgctt	180
gccgtcttct	tgaacaggtg	tcgccggatg	aaggaggttc	gggaagatgg	agtatgggtgg	240
agattcctcg	atccgaacgt	tagctgggta	tgttga			276

<210> 5115
 <211> 204
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (204)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5115						
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cccctcgacc	ccgctaacc	tacggctgct	cactcctggc	ttccggttcc	ctcaagctcc	120
gcaaagctta	aatcagcatc	gagcggtgcg	acttctggca	ctacggatgc	cgcgggccac	180
cgtgccttgg	acctgatgtg	ttaa				204

<210> 5116
 <211> 309
 <212> DNA
 <213> A.fumigatus

<400> 5116						
tcgtcacact	ctttgtcttg	tttggctctg	actcgttcgc	ttcaggtttg	gcctcattgt	60
gcgtattggg	ggcaccctaa	gatgacagca	cacattaaac	tgaccgtact	tcacagatcc	120

tggatgacat	atttcttcaa	gogcaagttc	tctctgccc	atggagagct	cggctcgatc	180
ttttttacca	ccagccta	ctctgccgca	tccatgttgg	ttgcatectc	catagccaaa	240
cgcattggta	atgtcaaggt	tcgctcttcg	ccttcaattg	cattcttccg	tcgccgtgtg	300
ggtttctga						309

<210> 5117
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 5117						
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tggtactcct	ggatcggcac	cgcaggcacc	gccctcggaa	tgatgggtgtg	cggatggagc	120
atcaacctgt	tgaaaaccac	tagagattgg	caatatctca	atgcatgccg	gattgtcttc	180
ttcgcatatg	ccggaatcgg	tgcagtcaag	tttcttcttt	ccatctgcct	aagtcacgag	240
gttgaagccg	ccaagaagga	caagaacggt	gctactgcct	ctcgacagcc	acgagcagct	300
gatggtcggg	aaacccaacc	tctcctgggt	gaaagagcca	acaacgagga	caatcagaag	360
aagtcactgt	tctcttttct	cggcagtagc	gatctcgtgt	ctttagtcgt	cacactcttt	420
gtcttggttg	gtctggactc	gttcgcttca	ggtttgccct	cattgtgcgt	attggtggca	480
ccctaa						486

<210> 5118
 <211> 453
 <212> DNA
 <213> A.fumigatus

<400> 5118						
tgtcaagggt	cgctcttcgc	cttcaattgc	attcttccgt	cgcggtgtgg	gtttctgact	60
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gttccatccg	ccctgccggc	agccttaacc	ttcttgatcc	tccgtgcctg	ttcacagagc	180
atggatgtcg	ccccacgcag	tgcttctctg	gccgtgctc	ttccgcccga	aaagcgcact	240
gcaatcatgg	gcgccatcaa	cgtcgtcaag	acttgacgtc	agagcttagg	cccgttcac	300
actggtgtcc	tgcccgatca	taattttttt	ggtgcttcct	ttacgcttgc	gggtgtcctg	360
aaagcaatct	atgatatcgg	catgctgata	aactttgcgg	ggagagagtg	tgccgcaaagg	420
atggcttcgg	atcgggcccg	agagagcgct	tag			453

<210> 5119
 <211> 528
 <212> DNA
 <213> A.fumigatus

<400> 5119						
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ctgcttccag	gaaataccaa	tactgcaagt	gcagcctggc	taaccattt	cgaccaattc	180
cgccagcaac	atgagccctt	gaaccccgct	caatccgctg	tcatcgatac	ggccacagac	240
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atttccgcct	tcggattcaa	ggacgccaag	tcccttcttg	cgacaatggg	caataagtca	360
ttgcagaccc	gggatgatgc	aaaggaggac	atcgagtgtg	gctgctccac	gcaatctgac	420
tggtgtgatt	ctggttatca	ttgtgctgga	ggcggctgta	cacagaccgg	ttcgggctgc	480
ggaactctct	ataaatacgc	ttgtgatggg	ctgtgtcgct	tttccctag		528

<210> 5120
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 5120
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 ttactttttt ttccacgggg gcttcgggtt cccccaagga gaaatccaag cagccgatca 120
 gtttccggtg tgggtcaagg caacctcgac cccgatatgc agtacgctac atgttctggt 180
 gcccgtagt acattctcac caggaaggct acctcatga 219

<210> 5121
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 5121
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 gaggagtcca agccttcggg ctctccctt cgttgtctct tgcctactgc cgaatacgag 120
 aatgacggtc taaaggcaga tcgacagatt gacgggtctt ctgctcttgt tacatgccaa 180
 gggaggttta ctacgtcagt ggcgagtcag gagctcgcaa tccagcgtcc atgcggaagt 240
 ccctaa 246

<210> 5122
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5122
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 aagattatga tgtatatttc ggttttcccc catggccatt tccatgcgaa gaccaatgtc 120
 tacgaggaga ggaacctcgg catttatgcg ggtggggagg acgaagacga accgcaggac 180
 cctcctag 189

<210> 5123
 <211> 672
 <212> DNA
 <213> A.fumigatus

<400> 5123
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 tacatcgggt tccatttaag aaggcagctg agttttgatc tgtggtatgt ctctcctggg 180
 ctgttcataa ttgccatcgt ggagggcaac cgcctacagt cagaggacga gtatgctttc 240
 cagatgtggg cagtgtctct cgaaattgtc tccgcctatg gtaccgttgg cctgtcattc 300
 ggatatccgg gggccaacac gtctttcagt ggccagttca aagttttgtc aaagctcatt 360
 atcattgcaa tgcaaatccg tgggcgacat cgtggtctcc catatgcgct tgaccgtgca 420
 atcttgcttc cgtcggaatc tctcaaggac aaggatctgc aggatgcaga gagacgaatg 480
 cgtcggcgtg tctcgaaact cagcaccatg tctgggatgg gccgaactta ttcgcaagcg 540
 cggacagaga acggtgtcgc aacaggcgcc gaggataagg acaggggtgc aacggcatgg 600
 acaaacgggg acaatgtcat ccgccggcac tcgacaatgc ggtcgcaaca atcccaaaaa 660
 tcccagcggg ag 672

<210> 5124
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 5124
 atagatccta atattaaacc aagaaatata gctataatca ctagagtggg cctgggttgg 60

```

gtttgggtca acccatggca taaaaaaccc gccctacaac ccatgtgggt tagccagtct 120
aacaatcact ggctatctcc tacaggaaga atcattagtg gcatagatat taaccaggaa 180
ctacgaggag tg                                     192

```

```

<210> 5125
<211> 255
<212> DNA
<213> A.fumigatus

```

```

<400> 5125
ccgagtgcac ctcccagatg tcagaaggat catcagattc ctctatcatc caaaatgggc 60
tcaatcggaa ctcatgaaaa actgtctggc ttcgacctga tccagacgca ctataaacag 120
atcagggacc acgccatccg tgcgcacttt atcatcccca agtctacatt cactggcaag 180
cgcccagtaa tcgtccgctt tcatggagga ggccctggtag gatctacatc acgtccattc 240
atggactcgc actaa                                     255

```

```

<210> 5126
<211> 1119
<212> DNA
<213> A.fumigatus

```

```

<220>
<221> unsure
<222> (590)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 5126
agactgcaag gcttcaacca tcgggctaag atcaaactgc gcaccgggtg aagcagtggg 60
aagatcccgc gtggctgggt tcatatcgag gggaacaact catattacga tctgactaat 120
gaagacttcc gtccaagcat tcgacttcct gtgaaacatc gttatcgctc ccccgctcgt 180
tttgagctgc acacgcaggg caaacatgga gctgcggggt attcaatcct gtggctgcaa 240
cacctcgtcg acaacgagga gaccgaaatc gacctacctt tttggtcgac aaagaacggc 300
agccgactca cccagaacta catcaccgag gaaaactgga aggcgaagga agtacctggg 360
ttggaagacc tccacgaaat cggtcgtcta cagcttcggg gcctcttcac tcccgggatc 420
gatgactccc acgagcaata cgtggtagac agcaattccc gcgagacctt tgagacctgg 480
gaagcctgca tggctgaagg cgtgcggccg cacagagtca cggccgagat ccctgcgaac 540
attgagaaac ttcacgagca gtccctcaga gccgttcgag acgtcttgan acaaagccac 600
cccagagagc gcaagcgctg gatcgacaag caggggaaaca actggagcgg cgcgtttggc 660
gacgaccggc ccgcctactt cgactccaag ggccgcaaga tcgccgagcc aggtcgcgac 720
cagccccgcg aagaccaggt caaccctccg cccaaggaaa tcgagcccac tggggccgcg 780
caccctcagt attacgagga ggactcatca gaatcgtcgt cagaagagga cgcaccagcag 840
gagcagcagg agcagcagca gcagcagcag cgacaaccct ccgaacctca aaccatcacg 900
acgaagccca gcgaagctag ctcaagcaac ggcccatcga aacgggcagc caagcgcagt 960
gagcagcgcc agcagcgcgg tctgatgcag tggaagccag cgcgcaatgc ggtgttcgca 1020
cgggatgaag ccaagtatgc aatgcgcaaa gtgaaacaca agttcactgg caacctgagc 1080
ggacgagagc cggatattga gaccgagacg ggacagtag                                     1119

```

```

<210> 5127
<211> 723
<212> DNA
<213> A.fumigatus

```

```

<400> 5127
gggtccggtc ctgaagctga attggaggat tatgatgtca ccgatgatct gcgggaaatg 60
tgtatccagt ttggatatct ggctctgttc tcaccctgtg ggccacttgt tcccgctctc 120
ttcttgatca acaactgggt cgagctgcgg tctgatttct tcaagatctg cgtcgagtgc 180

```

aagagaccct	ggcctcagcg	tgcggatacc	attggaccat	ggatggacag	cctcggattc	240
ttgtcctggg	tgggaagtat	caccagctca	gcccttgtct	atatgttcag	taacgggcat	300
gagggcccta	atggcgagcc	aacaacaatc	cgggtgctggg	cgttgttact	gacaattttc	360
ttctccgagc	atctctacct	gatcgtgcgc	tacgccgtac	gaagtgcctt	ggctaagctg	420
gagcctccga	acacacgtcg	cgaacggata	gagcgcttca	tgatgcggaa	gagatacctc	480
gacactgtgc	tcagtgcaga	gagcgacgac	gatgccgatg	aggtcaaggg	tgctcgtatct	540
tccatcccac	cttccgagat	cactcgcgag	tccttggaac	aggacgctag	agactgggtcc	600
aagcagggga	ctgatccaac	cgagcgcttc	tggataagac	agagaggctg	gaaggagtct	660
gccgaggttg	gtttgagcct	catcacaag	gccaagggcg	acgaaaccaa	gaagcagcag	720
tag						723

<210> 5128

<211> 315

<212> DNA

<213> A.fumigatus

<400> 5128

ctcttcctag	gggcccttat	tcttatgtac	actgcttttg	aattagcata	tagggacatc	60
atctactttg	tattgtctat	tattgaatat	tgccttttta	ttaaagtact	agctatccac	120
ccattgcagt	gggattcttt	ttgtgggagg	atthttgcgta	gtgcggaagt	catggctgtg	180
cttaattttg	aatttgaatc	tgttcctcat	gtctctagta	gcgtgaatca	tgactctgag	240
gtcaggactc	acgcgcgaac	gcacccaata	tgcctagtgg	tctttatggg	tgactattat	300
agatcaacag	cttaa					315

<210> 5129

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5129

agcaaattac	acagcgcaat	acactacctg	attcgcctta	tcattcatgtc	tgccacctct	60
ccaacgctat	ctactaacca	gccattaaag	actagcactg	ctcctccacc	tccaccacct	120
ccactaagta	ctaatagggc	ttccactctc	gcgacagtac	cccatccgct	gactgtcacc	180
tctcacggtc	ccccagagc	tttctagtgt	aagctgttga	tctataatag	tcaccataaa	240

<210> 5130

<211> 525

<212> DNA

<213> A.fumigatus

<400> 5130

gtatccccct	tcccttcctt	ccattttacat	tactcacaca	agtacaggtc	aggtaatcac	60
cgcctccct	gcgcagcaa	ccaagcacat	aaagaccttg	atcctctcct	aacagctcaa	120
cccagcaact	tctccaatat	cgcctccctc	ctctggcacg	cctacgcgcg	cctcccatcc	180
cctcctcct	cgttaaactg	ggctggcttc	tacatccgcc	aggataaatt	ccccgcgctc	240
ggttcccaga	acacacgaag	caacagcacc	aataacctcc	tgctgctagg	cccatccag	300
ggccgcctcg	cttgccagga	gatccgcttc	gggcgcggcg	tgtgtggcac	cgcagcggag	360
aagcgcgaga	cggtgattgt	gccggatgtg	ttgagtttcc	cgggacatat	tgctctgtgac	420
gcgagtagtc	ggagtgcgat	tgtggtgccc	attcttggtg	gcggggagggt	gagtttgctt	480
tctttggtgg	aagctgtgtt	gcgttggtgt	gctgatgcgc	ggtag		525

<210> 5131

<211> 561

<212> DNA

<213> A.fumigatus

<400> 5131
 acaatatctc tccatacaact gacgatgtca tgtgcaaccc aatttccaat ctttcagtcg 60
 gacgtagagc atatttgtat aagatatacg ggacgtctaa ccaagcatca taccatcata 120
 ttatatatac acacttacca atcacaacac tccgccaaaa gcgacgcaag ctctccaac 180
 cacttcttat cctcctcgtc gaaccagcc ggctccgtac aatcaacgtc gatgatcgca 240
 accgtctacc ggcacatcagc aacacaacgc aacacagctt ccaccaaaga aagcaaactc 300
 acctccccgc caacaagaat cggcaccaca atctcactcc gactactcgc gtcacaggca 360
 atatgtcccg ggaaactcaa cacatccggc acaatcaccg tctcgcgctt ctccgctgcg 420
 gtgccacaca cgccgcgccc gaagcggatc tcctggcaag cagggcggcc ctggaatggg 480
 cctagcagca ggaggttatt ggtgctgttg cttcgtgtgt tctgggaacc gagcgcgggg 540
 aatttatcct ggcggtatga g 561

<210> 5132
 <211> 618
 <212> DNA
 <213> A.fumigatus

<400> 5132
 caacagctgc atatggcatc agcccgttca gacactcagt ccgaccagag ccagatgaac 60
 ataacatttg atcgcttcaa cccgcagcgc tacctcacat acacgccagc tcccagacct 120
 cctgatatgt ctggctccgc tcagtttgga attacaaggg atctacctt ccaacagctg 180
 catatgacat cagcctcttc ggacactcaa tccgaccaga gccagatgaa cgtaacattt 240
 gatcgcttca acccgcagcc atacctcaca tacacgccag cttcaaggcc tcctgatgtg 300
 tctgatccca ctcatcttgg aattacaagg gatctacct tccaacagct gcatatgaca 360
 tcagcctctt cggacactca atgcggccag agccagatga acataacatt tgatcgcttc 420
 aaccgcagc catacctcac atacattcca gctgctcagc cttctgcact atccaatcac 480
 caaaagccgg caggcgaaag cggggcgtag atggtacttc atcggcagtt agaggatatc 540
 cacgatgggc aggtgagcg taacggatag cagaacgagg tccaacattg ccctgaagac 600
 caaattcgag tttggtga 618

<210> 5133
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 5133
 tgtgccttga cttttgacat gtcgctcctg tcctacatcg cctcgggcat cagctcgttt 60
 gtcgctgtga cgctttccct tttcgcgctc ggccaaaaag tccctcgcgc ggcttttttc 120
 gctcgggtgc tggcggccta tggctctctc ttgttatgcg catgctatgg cgtgattgca 180
 tccattcttc ttcggctcgt aggtacggc cgggtctcgc aatgggccac cgcacgcagt 240
 ttcaaattgg ttatgcggta tacaaccggc gtacagttcg acattatcca gggcgccgag 300
 caoctctcta cccggcctgc ggtcttcatt ggcaaccatc agtccgagct cgacgtgctc 360
 atgctggggc atatcttccc tcctactgc agtggtcccc cgaaaaagtc ttggaaacat 420
 atcccccttc ctgggttggt tcatggcgct gttcccggac ggtcttcctt gaacggggcca 480
 acccgcaaaa ccacaatgaa aggc 504

<210> 5134
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 5134
 ccattggcga attcaacagc ggcaagtccc acgttctgtt ccaaaagaag aggtttactg 60
 acagtgcctc caacagccat caatattgtc acggactttg ttttcgccac tctgccggtt 120
 ttcattgttc ataatatcca ggtcaacaag cgcactcgag cgtccctaata gggcattctc 180
 agtcttgggt acttgtga 198

<210> 5135
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 5135
 ctttcccaag tcttttctcat actgttcacg atcgctgca ttctaaccct gatactccaa 60
 tgcatacctg ttagtgcggt gtgggattat accctaaagg ctacagcaac gtgttattca 120
 agccaaacct acctagccat tggcgaattc aacagcggca agtcccacgt tctgttccaa 180
 aagaagaggt ttactgacag tgcctccaac agccatcaat attgtcacgg actttgtttt 240
 cgccactctg ccggttttca tgttccataa 270

<210> 5136
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 5136
 agtaatcctt tctatcctgg accgggcaga ggatatagag acttcggggg cggacatggc 60
 gagaatgtca ctatcccaaa gagacacaaa ctctacagtg cggtttttga tattctctct 120
 ggactaggca tatcaaacta cagaagtcca gattacaaca ttgttcaacc tccatgggtgc 180
 ggctga 186

<210> 5137
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 5137
 gccgcgctag gcgcacccgt ccccatgtca agcctcgccc ctccatccac aaactcgcta 60
 tacgcaaaag ccctctggca gcgctcaccg atcaactccg gccacgcacg gaacaaaacc 120
 ggatccgagt ggaccggctg cactgacgcg attatcccca actcccccaa ccgtcttgcg 180
 tcctcggggg cagtcagctc cagatgctcg atgcggtga 219

<210> 5138
 <211> 951
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (58)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5138
 accggcctcg tcgacatggc catggacgaa accacgtggg acgtcctcca gttttacnga 60
 caacgtcacg atccccccct gcacatcgca gcatactggc tcgtcccctt ttcccagaac 120
 gaagaaaacca atttttagcca tgttgaccgc gcgatccaga tacacgccga gttccacccc 180
 accaaatcac ccaacttgtg catcatgggc ataaagctca tctgcgacgg tgtcgtcgac 240
 ggctgcacag cggcgctcag ccagccatac ggcagcctta cggaccacgt cgagcccatc 300
 tggcccgcgg agatgctgaa agccgctcgc cagcgcgcag accaagccgg cctgcaatgc 360
 gccatccacg ccatcggtga caaagccgtg acgcaagcca tcgatgtcct cgcggaagtg 420
 ggcaaccccg gccgccgtca ccgcacgcag catctggagc tgactgcccc cgaggacgca 480
 agacggttgg gggagttggg gataatcgcg tcagtgcagc cgggtccactc ggatccggtt 540
 ttgttccgtg cgtggccgga gttgatcggt gagcgctgcc agagggcttt tgcgtatagc 600

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gagtttgtgg atggaggggc gaggcttgca atggggacgg atgcgcctac ggcggtcat      660
ttgccgttgc cgaatctgta taatgcgacg acgaggcggt cggcattgga accaggcgag      720
ccagccgcta cgaatccgcg tttcggatta gggctggcgg aggctgtcac ggctgcgacg      780
gaagggcgcg cgtatgcgag atttgagag ggggtggacgg ggtgcttaag ggaaggccgt      840
agcgcggttt ttgtggtgtt agatatgcag tgggaagcgg aagagttgtt ggagggtaag      900
gtgtgcgaga cttggttcgg aggggaagagg gtatacagtg tagaaagatg a              951

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<210> 5139

<211> 1380

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1046), (1204)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5139

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atgtttttgg cggatctcat accacgtgag caggatcagg acggcccggc acgggatgac      60
gacgcactgg cggaagatct tgcggcagag gcaccatttg taccgattcg taacaacaga      120
cgtcctggga atgatgtgca gcaaaatcag ggcattgggt cggatgcagg aattgatccc      180
aacgacctgg atgctgttga agaaggtgac gatctagaag gaatcctcga acttatcggc      240
atgcaaggtc ccatatttgg cttgcttcag aacggagtgt tcagcgctct tttgatttca      300
tttacagtgg ctattggggg ctggcttccc tatttgtggg ggaagatcgc actcgtcctc      360
ctcgcaaac ccattcaact catcttcggg gtacctgtga ctgcagtatc gggtattgca      420
gatgtcacac tcgacactct tattggcagt cttggctatc tcatgtatgc ggtcagcctt      480
gtttgcaaag tgctgcttgg ccccttgagc gcctttgtcc cgctaggcga ctggattccc      540
caactaagt tcatcacgaa cgcattcatt tgccttatcg atgcaagcag tcaccgggtg      600
aagactgtgg tcagcgcggt ctttgtcttc cacgaatctg acgttccagt gttctctgtt      660
ctgtctcacc aggcactgaa gatccatcaa gcgcgcact ctggtctttg tcagtccatt      720
gctacatttg tcaagttcat agtacaagat ctgccccctc aaattactac aaatggactc      780
caaggcgctt tatcctttgg tcgtcaaggc atcgacttga gcagtctttt ggctcaggct      840
cgacagcagt tgtacagctt tgctgaacgc ccttttttcc cagggaaagg cgtgaagtgg      900
ctcgatgcca ctgtgaaagg gacggcttcc accagtttgg ccattgatcc cgaattggcg      960
gtttgggata ccaaagatcg tattattgcc attatcatgg gttatgtgct cgcgtcgatt      1020
ttgggactcc tctaccttcg tattantagc ctgttcacag gggcaactcg tggacagagg      1080
gtcgaaggcc tcgtcgcaga catactccac caagctgggt gagtgatgaa agtcattttg      1140
atcattggga ttgaaatgat tgtctttcca ctgtactgtg gtaccctgct tgacctcgcc      1200
ttgntacctc tctttgagaa cgctacgata gcctcccggc ttgagtttac ctcactctcc      1260
ccacttacat cactctttgt gcaactggtt ataggcactt gttatatgtt ccattttgct      1320
ctatttgttt cgatgtgccg aaaaatcatg aggagtgggt ttctctgtaa gtgctcttaa      1380

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<210> 5140

<211> 981

<212> DNA

<213> A.fumigatus

<400> 5140

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gaactcgctc cgagaatggc ttttgcgact cttcgtagca ttccctcacc gactcgtttg      60
atgcgtccta ccatggctat ttctcagcac cagagccgcc agatctcatt ctcttcctac      120
ctcgtgtcac ccagagaact ccatgaagct ttgaagaaga acccgaccac gaagatctcc      180
acttctccac gtgtaatccc tttatgtgcc gcgtggttca tgcccaatga ccccgagggc      240
cgcaaaggca ttgatgcttt tcgaaagcat cgaatccctc aggcacgatt tttcgatcta      300
gacgcgatca aggactctga atctccctac ccgcataatg ttctactgtt ggaaacgttt      360
gctgaggcga tgagcgagct tgggtattcg cgcgacgacg aggttgtggg ttacgataca      420
gaagagcttg gcatcttcag cggccctcgt gttggctgga ccttacgagt atttgggcat      480

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ccaaggggttc	atgtcctcaa	caactacagg	ttgtgggttc	gtgacggcta	tccaacggag	540
actgggggagc	cagcgctgt	ggagaaaacc	agctaccccc	tcccacagtt	cgactctaag	600
ctgggtgattc	cgtaccgaga	ggtgaaggag	attgccaaag	aacaccgaaa	agaaggatca	660
aaggagggtcg	agatcctaga	tgctagatct	tacggggcgat	gggcgggtac	tgatcccga	720
ccgcgcgccgg	gcttgtcttc	ggggcatatc	cctgggtcca	agagcttgcc	atttcaagaa	780
cttcttgacc	ctgaaacaaa	gacctatctt	gctcctgaag	agctacgcaa	ggtctttcag	840
aagcacgaag	tcgatgaaac	caagtccatc	atcagcacat	gcggaaccgg	cgtgacggcc	900
agtgtcattg	agactgcttt	gaatgtggca	gattatggaa	atcccagtct	tcggaggggt	960
tatgacggga	gctggacgta	a				981

<210> 5141

<211> 435

<212> DNA

<213> A.fumigatus

<400> 5141

cgccaacaca	tccacaacca	caacagactc	agacagcggc	aaccgaggcc	tcccctacta	60
cgaaaaactc	cgccgcgacc	tccgcgacgc	cctgcaaaaag	aaacgcctta	tggacaaaaag	120
catgggtatgc	cttcgcctct	ccccctatat	cccttcccag	tccgccataa	cctggcaact	180
aaccacagcg	gacaggccca	actcgaagac	caaactctacc	gttttgagca	atcctacctc	240
gaagaaacca	ccgcgcgaaa	catcatcaag	ggtttcgaca	actatatcaa	gggggtccggg	300
tcaagcacgg	ggcttggcgc	aagcgggatc	gcgctggcag	ggggcatggg	cggcgcggca	360
cgtcgcaagt	cgcaggtgac	agatgcagat	aggggtgtttt	cgaggagttc	ggcgagtttc	420
atgcgggtgc	gtag					435

<210> 5142

<211> 243

<212> DNA

<213> A.fumigatus

<400> 5142

caaaacagag	acagattgac	gttgaaagtt	gatgcattca	tcaaggacga	aacgtatgct	60
tatgcataca	agacaaacag	aatctataag	atcctccctt	tggcttcaca	tttactgaat	120
acgggagtc	agtcctccaa	ccggtctcaa	actgaccgcc	ctgcctcaga	cgatagtcca	180
agcatcacga	acaacgcgtc	ccctctcaac	ctgttatcaa	ggaataactca	gcatattaat	240
tga						243

<210> 5143

<211> 570

<212> DNA

<213> A.fumigatus

<400> 5143

gcaattcaac	ctttgtcagc	ccttgctgca	cagcacaaga	tggcagacac	cgtcccagct	60
caggctccag	ccgcaacagg	cagaccaaca	ggtgcagcaa	ccgcaacagc	accagcaaca	120
gcaggcgcat	caggcacaac	aacaggcaca	caaccctccg	gcaccaacaa	cccaaccacc	180
ggcaacgcta	acgccaacac	atccacaacc	acaacagact	cagacagcgg	caaccgaggc	240
ctcccctact	acgaaaaact	ccgcgcgcgc	ctccgcgcgc	ccttgcaaaa	gaaacgcctt	300
atggacaaaa	gcatgggtatg	ccttcgcctc	tccccctata	tcccttccca	gtccgccata	360
acctggcaac	taaccacagc	ggacaggccc	aactcgaaga	ccaaatctac	cgttttgagc	420
aatcctacct	cgaagaaacc	accgcccggaa	acatcatcaa	gggtttcgac	aactatatca	480
aggggtccgg	gtcaagcacg	gggcttggcg	caagcgggat	cgcgctggca	gggggcatgg	540
gcggcgcggc	acgtcgcaag	tcgcaggtga				570

<210> 5144

<211> 486

<212> DNA
 <213> A.fumigatus

<400> 5144
 atacgggagt ccagtcctcc aaccgggtctc aaactgaccg ccctgcctca gacgatagtc 60
 caagcatcac gaacaacgcg tccccctctca acctgttatc aaggaatact cagcatatta 120
 attgagcaat tcaacctttg tcagcccttg ctgcacagca caagatggca gacaccgtcc 180
 cagctcaggc tccagccgca acaggcagac caacagggtg agcaaccgca acagcaccag 240
 caacagcagg cgcatacagg acaacaacag gcacacaacc ctccggcacc aacaacccaa 300
 ccaccggcaa cgctaacgcc aacacatcca caaccacaac agactcagac agcgggcaacc 360
 gaggcctccc ctactacgaa aaactccgcc gcgacctccg cgacgccttg caaaagaaac 420
 gccttatgga caaaagcatg gtatgccttc gcctctcccc ctatatccct tcccagtcgg 480
 ccataa

<210> 5145
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 5145
 cacaatcaga tgctattcac ctgggtccacc aaggaccttt gcatcgtctt cagccagtgg 60
 catatcactg gccccttctc cctcctcatg tccctgattg tcatagtgtc cttgacagca 120
 ggttacgagg gtgtccggca agccaccgga aaatacgaag ctgccaagc gcagcgtctg 180
 aacgttttct cgacaacaac agctacgata ggtaagtact tcggtctttt ctga 234

<210> 5146
 <211> 318
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (11), (66)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5146
 tccagtagtt ntaatccttc ccataagtat tctccaaccg ttcgtagggc gcttatccct 60
 tctttngtgg cctcatcat ccttatcttg gtccttggtt ccggggccccg ttcgctttc 120
 ttcttatttt tcgacgacga agacgaagac cctttcacac tggcggcagc agaagacgtc 180
 ccctcgccat tcggcttccc attcgaccgc ttgtatgtcg acgtcggcgt cggcgcgatgc 240
 gaaggcgtag tctgcacgga tgatggcgcg ggagaatcct atgactgggt agaccaccgc 300
 ctttattcag agctttaa 318

<210> 5147
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 5147
 aatgtactcc cgctttctat gtctgctttg gccatagctc gactgaagcc ttcattgacg 60
 aacggtgtgc aaggcaatga gttcgccgac gagtccgcca ccaccaacgt tccctcaagt 120
 caaaccccc aagagagctc accgctgggt gcaggtaggg acaacagacg ggccgtggag 180
 caaagacgca agatcatcct tgcagctttg tatgccgtgc aagtgttcta tagcttcttc 240
 atcaagttaa ttatttcccc cattctgect gttttttcta tcaattcaga tgcctaa 297

<210> 5148

<211> 897
 <212> DNA
 <213> A.fumigatus

<400> 5148
 acgctcgctc ggtccttcgc cgctgtggtg aagactgttt tggaagcttt tgacaccaac 60
 attcaatacc ggggagctaa cagcaagatg aaccttggtt ttggtggctc ggaacccgct 120
 gtggctcttg cttegtcat gcagctcgcg tcgtcgagcc aggagaactt ctactctcgt 180
 ccagacctcg gagegtccct catcttcgaa ttgtttagcc tcgaagctgg agcagctccg 240
 acataccggg accagtccca gctctacgtg cgattttctc tcgctaaccg aacaggcacc 300
 tccgccgaat tccggctcta cccatttttt gggcatggtc caagtaatga tgcgatccca 360
 tactccgagt tccgcgcgca gatggaaaag tttgctcttg gttccactca gcagtgggctc 420
 ctogaatgcg gatcgctcggc tgtgtttctgt tccggagcga tgggcaaggc taaaaaaca 480
 tcgacctccg gcaacagggtt aagtcccgtt attgctggcg tgattggagc tgtggttaca 540
 atcgctcgctc tagcactggc tgctatactc attttcctag tgcgggggtt ccgtatgaga 600
 cgcattcgca gatcaagtgc tggagggttc aagggttaata gcaagatggc aagcgatgct 660
 gaccttactg ccaaagattc tacgcgtgag gacgttaagc cagcagagag cccagatagt 720
 gagccattta gggctggagg agcagttgtc tgtggtcatg agcggactgg aagctgggaa 780
 atgaggccga ctctgtctca gaatcggacg actgcgctc ctttcgaagt cgaacatgac 840
 gatacctgga atactcacag cgcccttaag ccagtcaggc ctcggaaca tgtttga 897

<210> 5149
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 5149
 ttgctccact gcggatcctt ccagccccgt ggtgaagacc gtcagagctt ctctgaacca 60
 catcccgaac cacctgatac cattgcacct caaaccaca ccaagcttaa tcgcaacatg 120
 tccgagcttg attatgcgac agatgaggat gtggaggatg gcaatgcctt ttcttttcgg 180
 cctccggtaa gtcattattc tacattccat tga 213

<210> 5150
 <211> 252
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (10), (34), (53), (62), (98), (101)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5150
 ttgggggaan aaagaagtgg tgtcattggc gaancgaaag ggaagtcaat gangccatgc 60
 anatgcaatg ccaagtcaat tacaaatcct gcaaccanaa nccgtctcca tctatttcat 120
 tcaaggagac gtggcaagac gactaatcca ttatttacct ttgcaattaa acctgatttc 180
 gatactcgtc ctctgcaggg tgtcaatcat ctctctccct ttatctcatg ttatgtacct 240
 cagattatat ag 252

<210> 5151
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 5151
 catgcacctc actttgatga acggcacact gcgtacggcg gccctcagtg gccggtttgc 60

cctggcctct	ccctcccctt	tgcccaccgc	cacgccgtta	ttccaatgct	gccagaagat	120
gtcactcaga	acacaggctc	ggccagtcag	cacatcaacc	acacgcaccc	ttttaagcc	180
atgcctcgt	cctcagacaa	gctttatgtg	cctgtctccc	attttccgca	aaactgcttt	240
tcgccttaa						249

<210> 5152

<211> 336

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (60)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5152

ttcgaccgcc	gcaaacgcat	cccgcgccga	agtcccccaa	actggattga	aattcattcn	60
ttcaaaactgc	gcgcatctcg	ccgcagatac	acccttgccct	tcgtcgataa	ttgcctcgat	120
ggccagtaca	attatcggag	tacaaattcc	tttcggagca	agatctcgag	tcctcgggg	180
gcgcaggtga	tgggcttgga	ccctttcgtt	gtcctgggat	tggcgaccgc	tacctcggt	240
gcggtgggct	ggctcgccgg	tccctttttg	ggcaatgccca	tctggaggct	ggtctatcgc	300
aaatataagc	cagctttctt	aatggtagt	tcttga			336

<210> 5153

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5153

gactcttgcc	ggttttgctc	ggtgctaaca	aatggacaga	gagagaagga	gttctatgac	60
agaatcaagc	ggttccgtgt	cgatccctcg	tctaaactcga	ttgccaatcc	agtgccggat	120
tactatggtg	agaagattgg	tagtgttcaa	ggttaccggc	agtggttgaa	ggatcagagg	180
gcctacaacc	gcaagagacg	cagtttcatc	atctaa			216

<210> 5154

<211> 1011

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (899)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5154

gcctggaatc	actccacgtc	tccacttccg	tttccctctc	tcttggtctc	tctctccctc	60
tcctactctc	ctcatccctc	agcccccttc	tgccccatcc	catcctcctc	ggtagatttg	120
aggaatctct	ctggttgctc	tcggttgaaa	agtatttcta	tatatcattt	agggacattt	180
cgatcatctca	gtcccaccca	tgcgagtcgt	cccagcagcc	tctcttgttc	caggggtgcac	240
gtccctctaa	agcgagtttt	ctgggcatct	tcaaccaacc	aacagctctg	taccgccaac	300
gttgtccccg	cgggtttccag	tccggttcag	gccgccctcg	ccctcccaca	cggctcgcgc	360
ttcgctatc	ctcctgtgcc	gcatttcac	ttcctcgctt	actcggacaa	atccttggat	420
ctcctcgctt	tttcgatagt	aaggtagagt	agacgttcgg	tggtatcttc	aatctctcta	480
tccaccggca	tgacgcagct	tttcgcttct	agtccgtccg	gtgtgacgaa	tgagaaacgt	540
ggaaaatttc	ccggtctatc	cctggcttcc	aaaaaacaca	atgagtcgag	ccatctcccg	600
acaaggataa	agaatttctt	ccgtatcaat	agttctagca	gcaatgtcac	tcctcataca	660

```

ggcagcgatc gagaacgaga ccgagacgcc agccctcca cggcgccaa ggcagaggcg 720
aagtcgacat tcagacaatc ccgtttcata cctactatcg gtcgcaatcg ctcaaccacc 780
gtcgcgagtg aaggcaatcc gtcgatgaa ggtgtctctc ctacggctac tgccaatcca 840
tatttcgttc accaagggtca gccttccttg cagcatcgca acgacggttc gttccctnt 900
tccctcccg acaccctga actgcagggtg gatgggtgtct ctgctgctga gcaggcgacg 960
accgccaaca gggaggaatc ttcaccacgg ggctggaagg acacgcgctc t 1011

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<210> 5155
 <211> 198
 <212> DNA
 <213> A.fumigatus

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<400> 5155
ctcgtcaga gtatcaatgt cgccgggggc gaagaatatt cccatcgctt caagatcccc 60
gagatggatt ctctctaccg ctactggcac atgttcttcg agatacccca taagaacctt 120
ccgtttgctc atccgaagtc ggaaatctat caaataccag gtacaaacat tccccctt 180
tcgagtgtat ctaactga 198

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<210> 5156
 <211> 252
 <212> DNA
 <213> A.fumigatus

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<400> 5156
ttgaacacgc tctatacccg cgagaacaat actataccta tctggatctt caccacgctc 60
ttgctgaact gtgtctttgg tctgccgggg ggcaagtcta gcgagagcga cattaccctc 120
ggcagtcctc acagcttgat aaatcttgcg cgggtgatcg aatctggccc ggcaatggat 180
ctcgtcgatc aggcattcac agtggaggag aaatggaaga gttacatcga gggagaatct 240
caccgcaggt aa 252

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<210> 5157
 <211> 228
 <212> DNA
 <213> A.fumigatus

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<400> 5157
aaaattggat ctgagaagcc ctactacagc atcagtgtga gtaattccag taggaaaaca 60
caggatcgac acaatgtcca aggatatgat accggacact tacctccgag tgctgtctcc 120
atcatcgctc ctctcatcac tcaagtcact actatcatcc tcttcggctt ctctttgttt 180
ctgttgctcg ctgtctttca ccacaggggg tcggcggatc cgcgctaa 228

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<210> 5158
 <211> 1794
 <212> DNA
 <213> A.fumigatus

```

<400> 5158
tgctgtagta gggctttctca gatccaattt tctaaaatgc caatccgcac acgagctgga 60
tcttcgccaa tccgttcgtc tgatcgatcat gaaggcccg aagtcatggt cacatctccc 120
tcacaccag caacaggagc gcattttcgc actggatcat tggggacggc agtgaatgtg 180
aatgagggac gaccgcgacg agatactact accagtagcg acctgtctac agataacgag 240
accaacgaaa tggacccttc attcaagagg cgacaaatac aattttctac cacggacaaa 300
atcatagaat atcaggaccc gcctcgagc actagtaaca ggaatgttga cactatgacg 360
ttgggaggggc tcagcgaggc cgcgaggagc tctggcgctg agtctgtagg atctgtactc 420
tcgtccgagt tcgacgcaac ggctggatcc ggctcgctgt tggaagacgt cgggatcact 480
ggcggtttag actcatcctc gcctgtcgcg ttgatgcata agctgcagaa cggagctgga 540

```

tcccagactg	catccccaag	gaaaccaga	actccagcac	ccgagttgca	aaatctgcca	600
ccgccacgcc	ccatcagcag	gctgcaacct	accagtttac	tgacgcaagc	gcttaaagca	660
cgcatgaagg	caccacaaaa	tctgtcgaa	aaatttgctg	ttctttccgg	taaagggtta	720
gcggacgccc	taaatatcaa	gctttatctt	ccattctcct	ctgatcccga	agaacctctc	780
gaccttcagt	tggccaggga	atctaagctt	gcggatcagc	cggcgccggg	cactgttgcg	840
gaggctattg	ggttggctct	ttggaggtag	tccgaagaag	gtcgcgagcc	agccatcgag	900
cgtaacaaac	tcaatgtgaa	tcgatggaca	ctacggatgg	ttgaggatgg	agagggtgaa	960
tacgattttc	cgctctgag	ccgtgcatca	cacatagcag	acttcacttc	gaacaataac	1020
aatagggcga	ccggagttag	gggcccgtcg	aggggaaagc	aatatgatga	attcgctttg	1080
gtggaggctt	ctgaggagga	attcgaagag	aatgagcggc	tgttcccgca	atacagtcag	1140
gaagccacct	ctgaggaaaa	cgtgatgacg	cctacagcgc	caacagtgcc	gctcctccag	1200
cctactccgc	agagtaaggc	cccagcagct	cgcgtgaatc	ccattctggg	acagccgttc	1260
tcgtctgccc	tcaacgacaa	taccttgact	ccagctgacc	ggcccgcggg	gcccacatcc	1320
catgctactc	ctcgaatggg	cgtctccaaa	acgctgaaga	tccgatttat	gaacctggat	1380
gctgccactc	acgttacaa	cctgaacacc	tccaccgaca	gctatatagc	agaaatcttg	1440
gactcggctc	gcaagagatg	ggctctcgac	aagggcaatt	acattctcaa	ggtggctggg	1500
tccaacacga	tcgcgccgct	tgatcggaca	gtggaggctt	tgggtaatat	taccgacctc	1560
gaccttgtag	ggcgtcgatt	cggggcaggg	cctctatcat	taactgggtc	cccaggaagc	1620
tcacccccca	atgcgccgtt	actcatcgat	aacaaacaga	acactacaag	caagaagaac	1680
aagaagagcg	gaccaagcat	gctacatcca	ctcaccctaa	ctcaggagct	tatgggtggt	1740
tactaccggc	gctatcatgt	cttcaaccac	gggggctgga	aggaaccgcg	ctaa	1794

<210> 5159

<211> 594

<212> DNA

<213> A.fumigatus

<400> 5159

ccaagcgcga	cctgcgctcc	tttgactgct	ggccacaatc	cgtccatccc	gacgaatacg	60
accgcctcgc	gaccgcctac	cacgacgcct	cccgtgcccc	gcagcccctc	tgcattccagt	120
accgcacccg	cgacgatgac	tgtccctgac	ggctactcac	ccctcggccc	gatgggcttc	180
gacgagcgcg	ccctcttcgg	cctcaccagc	gccggggggc	ccatctacac	tatcgccgac	240
atcaccceag	aaaagaccgc	cgagctttcc	cagcggcaca	tcgccgagga	agttcagcag	300
cgcaagaccc	agcaggagcg	gttcatcgac	atgatcagcc	acgaagtacg	gaaccgcctc	360
tccgccatcc	tgcactgcac	cgaggacatt	ctcaacgcgg	tgcaccggat	ccgggacggg	420
gcagagcacg	ccggaggaga	cgcattgcag	gattgtcagt	cggcggtgtg	gtcatcagca	480
cgggggcgag	atcgggatga	gttccaagga	agacgagggc	agcacgtttg	ggttcgtctt	540
tgccgtccgg	aaaagcgaag	gcgtggagag	gcgtcttacc	agcccgcagg	ctga	594

<210> 5160

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5160

caagtggcgg	acatgctgcc	tactggcgct	gccatccgca	accaccgcga	cgaagccatc	60
ttcgccaacc	accgcttcgc	caacctcatg	accaagcgcg	acctgcgctc	ctttgactgc	120
tggccacaat	ccgtccatcc	cgacgaatac	gaccgcctcg	cgaccgccta	ccacgacgcc	180
tcccgtgccc	agcagcccct	ctgcatccag	taccgcaccc	gcgacgatga	ctgtccctga	240

<210> 5161

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5161

aaggggggtcc	aaagtattat	gtgcgacgcg	ttacaagaga	cagagttata	tgacggctgt	60
gaaattatgt	attacgcctt	agctggaaaa	tcgagaatct	atctaacgtg	cgcttcatca	120
gaatctatth	ccgaagaacc	gatgtttata	ttcctacaag	catacgatta	taagatctth	180
tacgaagcta	cctgtaccat	tatgaatatg	ctttga			216

<210> 5162

<211> 1383

<212> DNA

<213> A.fumigatus

<400> 5162

tgtaacgcc	cgcgggatcc	ttccagcccc	gtggtgaaga	caaacacagc	aaccagctg	60
gtcgactttc	ctcccgaggt	tattctggac	ataggagacc	atctcgggct	gaaagacctc	120
aattcatttg	tccagacggc	aaagctgttc	aacactttgt	tgtcttcccg	actttatgct	180
ctcggagcca	aacacgtggg	cgaacaaca	tcgccgctaa	tccacgcggc	ccagtattgc	240
ccgatctcag	ctgttagaaa	gttgcttgac	aatggagcag	acccttcagt	ctttgccggc	300
aagaccaacg	ccttccctggc	agcaataacg	cgctatagac	ctaaggctcc	aaaaatcctc	360
gttgagcctg	gcgttagcgc	atccacaccg	ataaccaagc	tcaagtcacc	cctgtcaata	420
gcggcgactc	gttggcgact	agcgccacta	cgtatcttat	tgaatgctgc	tcctggacat	480
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gtgcgtgcag	cccgcctcct	gttggcagcg	gctgcgaaga	cgatctcctc	acctctgcaa	600
ggtttatctg	tggaacaagat	ttatagcggt	ctctaccgag	caaattgtga	gattatccgg	660
ctgctggctg	agtttggtcg	ggatccccctc	gcccagttag	ggatgggagg	cctgcccttg	720
catattgctg	cgcaaacggg	cagagcagac	cttgctcggc	tgctactttc	gtacggcgcc	780
gatgtgaacg	cgaggaatgg	ccagcatgct	acgcgcctcc	atctagcctg	cgccaacggc	840
cagttgggcg	ccgtggagct	tcttctgaac	cgcggcgctg	atgccaacgc	tgccacctta	900
tttcgcgaaa	ctcccttgca	tcagtgtatg	cgttttggct	ctctccccct	tcttgagctt	960
ctgctcactg	ctggagccaa	taccagtgtc	cgcgatgaaa	ccgggggtctc	accgttgcac	1020
attggcatca	gcctcaggaa	gcctctggag	atgattgtgc	gactcatcca	agcggggcgc	1080
gatatcaacg	cactcgacct	gcattcccga	acatcgttat	ttctggccgc	taagtacgga	1140
aatgcccgcg	tggtgcaagc	cctagttgat	gcaggagtcg	acatggcgat	tgacgaacga	1200
gcaggttcga	cagggccggt	gcattgtagc	gctactgaag	acaactttag	agtcatccag	1260
ccgctaactg	acgctggact	ggatattgag	gctcccgaact	ccttggaag	aacgccttg	1320
catttagcaa	caattcataa	ctgccttata	ttccatgagg	gagctcattc	gtcaaggagc	1380
tga						1383

<210> 5163

<211> 534

<212> DNA

<213> A.fumigatus

<400> 5163

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aaccgcgtca	accatccggg	aaaatcagca	gcctacgggg	caatcgctta	caatcgacc	120
gaggccctca	agtttctcct	tgaatctgga	gccgatgtgt	cccgcctgag	gcaagatggc	180
atctcgcttc	tgcatgacgc	cgccacacac	agcgccatgc	ccagactgat	tacgtgcctc	240
ctggactacg	gagcagaccc	cctggctatt	acgtctgacg	gtaagactgc	gctgcactat	300
gccgcgacta	acgacaggta	taagtcaatc	ccaccgcttt	tgaggcgagg	aacgcggatc	360
gaggcgagag	acaatcatgg	cgacaccgca	cttcttattg	ctgcccgag	cagttgtgag	420
ggtaccogtg	acctgctcaa	acgaggtgcc	aatctgaatg	catgtgaccg	acgcgggagg	480
acaccgctac	accattgttc	ttccacacac	gattcagaga	tatgcaccat	gctg	534

<210> 5164

<211> 1656

<212> DNA

<213> A.fumigatus

<400> 5164

cagtcattca	aggtcttggc	ggagtgccca	attatcgtcg	tgtccatctt	ccagacgcat	60
cggaattcag	tctcggccaa	cgtgaaactg	tctgtgcctt	tgataaagag	tattcttctc	120
cttcaagcca	aacctcagga	gcgcgcgcat	gcggaggcgg	cagcacaagg	cacaatcttt	180
acaggcgtat	gtaggggaaat	caaaaatcgg	gccgcctttg	gcgaattcat	cacagcacia	240
gtgaagacga	tgagcttcc	cgcatactg	ctccgtatgt	atgcgcacca	gctccaggat	300
tttctcccta	cgttcccg	cgttgtgggt	cgactcctgc	aagattgccc	cagggagaaa	360
tccagcgcca	gaaaggaact	tcttgtggcg	atccggcaca	tcatcaactt	taattaccgg	420
aagatcttcc	tggagaagat	tgacgaactt	cttgacgaga	gaacctcat	cggcgatgga	480
ttaactgtgt	acgagacgat	ggcccactc	gcctacagca	tgcttgcgga	tcttattcac	540
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aacatggccg	aaaggattgc	gaaactagac	gacaagcgtg	aggcccgtta	ttttctgac	720
atgatcctag	atgctattgg	tgataaattt	gcttggatca	accaccaatt	tgataatgcc	780
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tatcttgccg	acaaggaaaa	ccccccggat	tgggatgaga	ttgatata	ctccgcatcg	900
cccatcaaga	cctcaaactc	tgcgatcgc	ggaggagacc	ctgtctcgga	caatatcttc	960
ctcttcaaaa	acctcatcaa	cggactgaag	aacatcttcc	atcagctcaa	aaactgcaac	1020
ccagagcata	ttcagatcga	ccccaaaca	gtgccgatta	attggcctga	agtctcttac	1080
gggtataatg	cagaggaagt	ccgggtgatc	aagaagtgtg	ttcatgaggg	agcgcgtgtt	1140
ttcaaataat	atggcgctga	tcagcctgcg	ccagaagtga	catatagtcc	ccccttcgat	1200
ttccttgcca	gtcagtatac	ggcgccatg	tcgcgggaag	agaaggagct	tttgagagc	1260
tttgggacag	tcttccactg	cattgacacg	gccaccttcc	atgagggtgt	tactccgag	1320
attccttctc	tccatgagct	catgtttgag	catggggctt	tgcttcacct	gccacagtcc	1380
ttcctcgcca	gcgaagccac	ttctcctgca	ttctccggga	tggtgctcca	gtacctcatg	1440
gatcgtatcc	acgaagtggg	aaccgcagac	atgaccaaag	cgaaaattct	cctcaggatg	1500
ttcaagcttt	ctttcatggc	cgtgaccttc	ttctctgtcc	agaatgagca	ggtactgcac	1560
cctcatgtga	ccaagattgt	cacgaaatgt	atcgagctat	cagtcaccgc	tgaagagccc	1620
agtcttcacc	gcgggacgaa	gaggggtact	gactgg			1656

<210> 5165

<211> 1017

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (96), (127)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5165

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atgccngta	tttaagaaaa	tcttgattca	gggaagggtta	agcgaaacat	gcaagactgc	180
cggagtcata	ttttggcaac	cagggaaactt	gcaatgcaga	tatatgatca	gctatcgag	240
tttggggcct	ctgtggacat	cagagtaaca	tgtatctatg	ggggtgtgaa	gaaagatgaa	300
cagcgcgagg	cactgaagac	tgacgctatc	gttgttgcca	cccctggtag	actgaaagat	360
cttaaaagacg	atggctccgt	ggatcttggg	aaggtcaa	acctagtctt	ggacgaagcg	420
gatcgcgatgc	tggacaaggg	ttttgaacag	gatataaaag	acattatccg	ctccacgcca	480
gattcaacac	gccaaacagt	catgttcaca	gcaacctggc	ctccaagcgt	cagagacctg	540
gcggtcttct	tcatgacttc	agctgtgact	gtcaccatcg	gtggtgatcc	gtccgccgat	600
ccgctgtgta	ataccaggat	taaacagggtg	gtcagaggtg	ttaagcctca	agaaaaggag	660
gctaggcttg	ttcagttgct	cagtcgctct	cagcgaggcg	cagcagttgg	cgataagggtt	720
cttgcctttt	gcttgtataa	aaaagaagcg	gttcgtgtcg	agagactttt	acgaagcaag	780
aacttcaaa	tcgcagggat	acatggagat	ttgaaccagc	acgaacgatt	taaaagtcta	840

gaggcattca	aaaccgggtc	ggctactgta	cttggttgcca	ccgacgtggc	agcccgtggc	900
cttgacatac	cgtcagtc	aaattggtatc	aatgtcacat	ttcctctaac	agccgaggac	960
tatgtacatc	gaattggccg	gtagtaacg	atgctctctc	tcggctggaa	gtattaa	1017

<210> 5166
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 5166	
tctgctaattg	tggccatctt cctaatatgt cacaggttga taaacgttct gagagcagcc 60
aaacaagatg	taccggacgc tctgctcaag tttggaacaa ccgtgaagaa gaagcagcat 120
ggtgcgtacg	gcgcatctct caaggacgtg gataccagca agtcagcgac aaagattggt 180
ttcgatgaat	ga 192

<210> 5167
 <211> 354
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (49), (51), (182), (213)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5167	
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cctagcagct	tcagcaagat ctatgaccca ttgagctctt tctcgtcgcc aacaccaatt 120
caatctgcaa	catggcctct actcttcgct cgtcgggatg tcataggcat cgcagagacc 180
cnaagcggga	agacattggc ttttcgatgc cgngtattaa gaaaaatctt gattcagggga 240
aggttaagcg	aaacatgcaa gactgccgga gtcataatctt ggcaaccagg gaacttgcaa 300
tgcagatata	tgatcagcta tcgaagtttg gggcctctgt ggacatcaga gtaa 354

<210> 5168
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5168	
aagtctctcg	acacgaaccg cttctttttt gtacaagcaa aagacaagaa ccttatcgcc 60
aactgctgcg	cctcgctgag agcgactgag caactgaaca agcctagcct ccttttcttg 120
aggcttaaca	acctcgacca cctgtttaat cctgggtatta gcacgcggat cggcggacgg 180
atcaccaccg	atggtgacag tcacagctga 210

<210> 5169
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 5169	
ctaataaag	tcgagttcgt tgaggaacaa gctattgatc gagtccatcg gcttaaccag 60
acggtcgacg	tcaagattta caagatgatt atcaaggaaa ccgttgaaga gcggatcttg 120
gaattgcaag	accgcaagcg cgagttggcc aatctcacia ttgaaggcaa gagcgcagct 180
ggcaagctta	ctatgaacga tatgatggct ctcttttggtc gcgatgccga agctcgcttc 240
tctggcgacc	ggggaaacat tgacgttatc aaatccggag catcattgac agaagccagc 300
gcctctagtt	ccaagaataa cggaaacgaa ggaagcactc ggccgtgggg ccggcccagt 360

tcgcaaggcc ggaatcgcca tgcggagaag cgggctccta ggactgagga ttctgtatat 420
ggacgacgct ggtga 435

<210> 5170
<211> 822
<212> DNA
<213> A.fumigatus

<400> 5170
gccaaagaag aagtaaagaa cagttccagc aggtgtggag agtgcgagcc cgatctaaag 60
gctacgcttg gtggttttoga ttcaggaaag aaaaagagct ctacacaaacc gagagtagag 120
atggatctca ccgactcacc atcgaataaa ttctccgaaa tgcagaaggc tcgagctcgg 180
agaaacagga agattgttat tgacagcgac gacgaggacg aggacgatgg ggagtggata 240
gtcccggagg gccaacgcgg tttgcctaata cttggaaaag ctggtggaac tgatgacgaa 300
aatgctgaag gaggaggcga atggctgagt tccgaggact ctgagaccga tgaggatggc 360
cctgaatctc caacacggaa gcctgccatt gtttccaatt tgagaagaag ccagggttcg 420
gagtcggaca ccgatgagga tatctatctg aatcctgggtg acaatgagac tcaagtctcg 480
ccatctacca agatccgaca tttgatgaag atcctcagac gtgaagctgc cgactacaag 540
ttcattgttt tttcgttctt cacttcgatg cttgacaaga tcgaaccgtt cttgaagcat 600
gctggcattg gctttgcaag atacgatggg agtatgcgaa acgaccttcg agaagctagt 660
ctagataaat tgaggcacia cagtgcgact cgggtgctac tctgcagtct gcgcgccggc 720
gccctgggac tcaaccttac ggctgcaagt cgggtcgtga ttttgaacc attttggaa 780
cctgtaagtg accatggtga actggtgatt acagttgact aa 822

<210> 5171
<211> 1443
<212> DNA
<213> A.fumigatus

<400> 5171
tttctctgcg ggtttccgct gacagaagga tgcttgacat cagtcgcggt gacgcgattc 60
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cccccgccc tttctgaaat atatggcggc ccgcgaccag aatggctgag ggacattctc 180
gagtttctac cctgcctcca atctctgatt gtatctagat tacctttctt tgaccataat 240
gctatgatgg cattgaaggg acccgccaag tacgaaccgc ctgatgcagc ggccttcaag 300
acatatagcg tccgattgct gatggcggaa agagaaccaa atgcaacgtc acagggtctc 360
gcagagacgt tgctgcgatt ccaagaactg gtgtacttgg acctgtcata tacgactcct 420
gctcgagatc ttatgggtgtt ttcttccctg tctcagctga accggctcca ggtgctcaaa 480
ctccgaggca tcggtttgag agacagagaa gctgagttct tagccaacgc tattgggatc 540
agggtccgtt tcttggatct gcgtaataat ctgctgaccg atatggctgt gcgatctctg 600
ctgcaagcct catttgtccc taatggacct cccaccaatg aagctgagtg gagaggagga 660
tcattttatat ttcacgacag attactcagg cgcgcgagtt tagatgctct gtttgtcaag 720
gctttgacgc agcccttaac aggccgttct tgggttgagg acctttcgca cgtaggaata 780
acacatctct acatcgcgga caatcagctt acagtcgaag gcgttgcgag cctcttggct 840
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gcacgacaac cgtaatttct atcgctatg accgagaaac ccgctagatt ccttggggct 960
gagaaattgg taccagtact tgggtctatc gcgaaagaga gcctgacata ccttcgagct 1020
caccatgctc tctgcacaa tgacacctct ttcaaagcgc ctgactcaac gcgggactta 1080
ctgcccagac ttccagacga agccagcagt agcctccaag gcagggcgga aatggacgct 1140
gcagatgaga ttcattgaact atctgcagaa gccatcctg tttttgagct cgaagccact 1200
gagattgccg gaatttcogag tcctgccggt gatctagatg agacgcgcct ccagtcaaga 1260
actcaccggg acgaccctgt acctaaagtg agaaggggtt ccatatttgc tcccagggta 1320
gtcgaaccaa accagcgctt gggcagcaat ggcaacatgg cagccgaccg tagtgaaaca 1380
gtgaattata acgttttttac ggctagcata aggtcttcac cgccgggctg gaaggaaaag 1440
aag 1443

<210> 5172

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(8), (9), (11), (12), (14), (18), (20), (25), (27), (29), (33), (34), (35), (37), (38), (39), (41), (45), (46)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5172

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gccctgttnc nngnaagnan gtggngntnt tgnnnannng natanngtgt tctctgcggt    60
gtcggggctg ttggcaatat cttatgatg atgattgcc aacctgttgg atttgccttg    120
ggactggatg ggctcaaggg tctcctaacc gagattcttg ggtcactc gggtattggc    180
ttccttattg ccgcttgttg cgcactgttt gttggagcac aggtcatgtt tgagattcgg    240
gaagaggagt tacgcgctgg tatcaagatg aagtgttga    279

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<210> 5173

<211> 522

<212> DNA

<213> A.fumigatus

<400> 5173

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tctctggggg atctggctct tccggctcggg ggtgtaagac tacaaagagc ctgcctcagc    60
aaggtcacca agcctcccg acgaagtcta actcccgtg ctaccccgt cgactcctcg    120
aaaaggaagc aatccaccgt accaccgtca agagcctcga cgatcccgc agagaccagc    180
acaaacgcga gccctgacac agacgaagac aagaaacagc cggagccaga agcggagaac    240
cctaaccgcc tgataaaatc cgagtacgac aacgatcccc ttctaaggte gtacattccc    300
tcggcaccct cagagcgcac catgcaggca cttctcgccg aaccgccact cacatacaac    360
gcggtcctgt ctggtccgcc cctaaccgcc aaggcaccac ggcacttttg ctgtatgtgt    420
ggatattggg gaaagattcg gtgcaagaac tgtcatgttc ggacctgcgg actagcttgt    480
tacaaggttc atgaggactc gcgatgcgga gctttctttt ga    522

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<210> 5174

<211> 330

<212> DNA

<213> A.fumigatus

<400> 5174

```

tatgtagaac acagggttaag agggaagaaa tctttactag acaatcatgg ccaactcaaca    60
tttcatgacg actggacaaa ctaccgtgcc tggccaatgg gtcgtgcgcg tcaagcccta    120
tctgaccccc gagctggtac aaaaggagca tctgtcgcta ttggaagaaa gaaacagaag    180
atcctgcaac tcccttcaat gtggaaattc ttcaacggtt tgatctgtat gattcacaag    240
ggctactctg caaaattcga cgatgcccc caagaaaagt tggagaaaat acctcatgtg    300
agcgggcaat gtgaacatga tggactgtga    330

```

<210> 5175

<211> 183

<212> DNA

<213> A.fumigatus

<400> 5175

```

acaatcatgg ccaactcaaca tttcatgacg actggacaaa ctaccgtgcc tggccaatgg    60
gtcgtgcgcg tcaagcccta tctgaccccc gagctggtac aaaaggagca tctgtcgcta    120

```

ttggaagaaa gaaacagaag atcctgcaac tcccttcaat gtggaaattc ttcaacgggt 180
tga 183

<210> 5176
<211> 645
<212> DNA
<213> A.fumigatus

<400> 5176
gcgggcaatg tgaacatgat ggactgtgag actctaccac tcacaatctc gcaggctcgtg 60
tctattgaac cagagcaact ataccgccac tgcaatatcc agccaaattc accgtgggggt 120
atcagccgcg tctcgacgag gaccaaaactt ggcgccctc cactactctta cacatatcgt 180
gatgatgtcg ccggcagcgg caccgtggca tatgtaattg atactggtat caacaacaaa 240
catgtcgagt ttgaggggag agcccaaaag ggcccaaagt ttgtctctga caatgtctct 300
aatgacgagg atgtgcacgg tcatggtagc cattgcgcgg gcaccatagc cagtcgcgcc 360
tatgggtgtcg cgaagaaggc aaatgttgta ggtgtcaagg tctttggtga ccggacaggg 420
actgcccaga caagtgatat catcaaggcg ctogagtggg ttatcagtga tatctctgcc 480
aaaggcatgg gcggccgtgc ggtggtgaat ctgagtcctg ggggacctcc aagcgacgct 540
cttgatgctg ctggtgcgct aaccgttcat aaaggggtag tggtttgctg tgcagctgga 600
aatgagccgg aagcaagtac tttcgcgcga actaattata actaa 645

<210> 5177
<211> 333
<212> DNA
<213> A.fumigatus

<400> 5177
cgaaagctcg atcccatcaa agacagtgga tatacgagga cgagggcggtt tggtaggctc 60
gtagatagat tgtctagtaa acatcgagag aatatcatgt ttctgaccac atcttacagc 120
tccctagctc cagcccttgc atctgcaaca cgcatacga ggaatatcgc aacagcccag 180
tcccacaact tccgctgat caggaacaag ggtacctccg gctcgttctc gcgggtcaag 240
tgtaactgca gaagaagcga ggacatactg acgaagctgg cgactgatac gaccaacaac 300
gatgcgggtt tctcacgctt gattgtggcg tga 333

<210> 5178
<211> 186
<212> DNA
<213> A.fumigatus

<400> 5178
agggcgaagg gtctttctat gggctcgtgag aaccatctcc attctacata cccacataat 60
agccaatgcc acctcgtca ctctaaatct cctctctaca tccaatctt gccaacact 120
cccgataatt gctgcgcgcc agccttcccg tcccatcccc ggccgtatgt gaagaagctc 180
agctag 186

<210> 5179
<211> 579
<212> DNA
<213> A.fumigatus

<400> 5179
acacaagagt acaataacaat gtacggagca tcgacgggcc ccagacggg catcaacacg 60
ccacgctcct cacagtcact gcggccactt attctgactc atgggtcact cgagttttcc 120
ttcctcgtgc ctacatccct ccattttctat gtttcacaat taaaagagac ctttacggca 180
tccctccac aaccgacaga tgagcttgct caggacgatg agccctcttc agtggccgag 240
cttgtagctc ggtatatcgg tcacgttgct cgccaagtcg aagagggcga ggacgatgca 300

cagggaaacct	gtctggaagt	cctgaagtta	gctcttaacg	agttcgaaag	agccttcatg	360
cgcggaatg	atgtccatgc	cgtagcagcc	gctctcccgg	gtattactgc	caagaaaatc	420
ttggttggtg	aggcatatta	tgccggaagg	gccgccgctg	gacggccac	caagccttat	480
gaatctggcg	ctattccgcg	ccgcctccga	agaaaaagcc	agtatctact	cagtccttcg	540
gtggccaggg	caacatcgaa	gagtactttg	atgagctga			579

<210> 5180

<211> 186

<212> DNA

<213> A.fumigatus

<400> 5180

atctggcgct	attocgcgcc	gcctccgaag	aaaaagccag	tatctactca	gtccttcggt	60
ggccagggca	acatogaaga	gtactttgat	gagctgaggg	aaatctacac	gacctacca	120
tcttttggtg	aggatttgat	ttcttcatcc	gctgtcttca	ccacgggggc	ggaaggatcc	180
gcgcta						186

<210> 5181

<211> 555

<212> DNA

<213> A.fumigatus

<400> 5181

ccgccgagta	catgctgcgg	ctcttcggcc	tcaaggatgg	actctgcttc	tatttctctg	60
accgtgaaaa	ccagggccac	tacaccgact	tctgcagcaa	tggtaccccc	ggtctcttcc	120
tcagcggttt	ccaaatcgag	cgccccatca	gcgagctgct	cttcaactctg	ctggcccagc	180
gcagtggcgt	caatgtcttc	cacggccgcc	aggtcgactt	caacggcagc	accatccggg	240
gcggtattcca	gaacaacagg	gttgccatca	accccgga	gttcgacggc	aagcctgcca	300
caaccatcga	ttctccctt	ctcgctgatg	ccaccggctg	cttccgccag	ttggcttcca	360
agaaagcctc	cctccaccgt	tttgaaggct	ggaactacga	cgccctctgg	ggctacttca	420
cggcccccaa	ggatgaaagc	aacattccct	tccgctacta	cgaggggtgac	cacaccaacc	480
atctgtgctt	ccccgagggc	tgggcctggg	tcatccgtct	cccctcctgg	gagggcagcc	540
ccatcccaa	cttga					555

<210> 5182

<211> 1383

<212> DNA

<213> A.fumigatus

<400> 5182

aggctctgtg	gaatgagtat	gacctctcat	catcccgcag	caaacaaccc	atctccaaca	60
tctcgagttc	agtcgtctgt	tattcagtca	agtttaacat	ctgtcactac	caaaatgact	120
gtgaccaagc	ccacccttaa	gcacaccttt	gctgagcgtg	ctgccgccaa	caatctcaac	180
gatgcacaaa	tcctcaactc	caacaacccg	gcaggtgcag	acatccctga	gaaatccgac	240
gttggttgctg	ctgggtgggtg	tatccatggc	ctcatctacg	cgattcacgc	tgccaagtac	300
aagccaggca	agctcaacat	ctccctgatc	gagaagggca	ccaagccagg	ctacaagatt	360
ggggagagca	cgctccctct	cttctccctg	tggtgcaaga	tgccagggctt	gaccgcccag	420
tacatgctgc	ggctcttcgg	cctcaaggat	ggactctgct	tctatttcct	cgaccgtgaa	480
aaccagggcc	actacaccga	cttctgcagc	aatggtaccc	ccggtctctt	cctcagcggt	540
ttccaaatcg	agcgtcccat	cagcgagctg	ctcttcaact	tgctggccca	gcgcagtggc	600
gtcaatgtct	tccacggccg	ccaggtcgac	ttcaacggca	gcaccatccg	gggcggattc	660
cagaacaaca	gggttgccat	caaccccgga	aagttcgacg	gcaagcctgc	cacaaccatc	720
gattcctccc	ttctcgtcga	tgccaccggg	cgcttccgpc	agttggcttc	caagaaagcc	780
tcctccacc	gttttgagg	ctggaactac	gacgccttct	ggggctactt	cacggccccc	840
aaggatgaaa	gcaacattcc	cttccgctac	tacgaggggtg	accacaccaa	ccatctgtgc	900
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aacttgatgg	acatgatctc	gtacctgctc	gactgcgccg	aggctggtgt	ccccggcgac	1020
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agcatcgggt	tcgccgtccg	caacgatgtc	aagtaccag	aggacatgtc	cgcgtagcgc	1140
acccgtaggg	cggagcgcga	gttcaactac	tttggtgaaa	agtatgacct	catcaagaag	1200
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cgaagtctc	ttacctacca	atccccggtc	gtctcgggcc	ctggctggct	tgctgtcggc	1320
gacgcctgtg	gcttcaccaa	cccgcgtcac	tgtcttcacc	acggggctgg	aaggagccgc	1380
gcc						1383

<210> 5183

<211> 1290

<212> DNA

<213> A.fumigatus

<400> 5183

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gtcgccgaca	gcaagccagc	cagggcccca	gacgaccggg	gattggtagg	taagagactt	120
gcgatgtac	cacgtcgttc	ccggtccata	gagatcctca	acgagctcga	agttgctcat	180
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ggtgccgtac	gcggacatgt	cctctgggta	cttgacatcg	ttgcggacgg	cgaacccgat	300
gctggttaacc	caccggaact	taagggtcaaa	catcttggcg	agctcctcgg	agctggggat	360
ctggtcgccg	gggacaccag	cctcggcgca	gtcgagcagg	tacgagatca	tgtccatcaa	420
gttgggggatg	gggctgccct	cccaggaggg	gagacggatg	accagggccc	agccctcggg	480
gaagcacaga	tggttggtgt	ggtcaccctc	gtagtagcgg	aagggaaatgt	tgctttcatc	540
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atcgatggtt	gtggcaggct	tgccgtcgaa	ctttccgggg	ttgatggcaa	ccctgttgtt	720
ctggaatccg	ccccggatgg	tgctgccgtt	gaagtcgacc	tgccggccgt	ggaagacatt	780
gacgccactg	cgctgggcca	gcagagtga	gagcagctcg	ctgatgggac	gctcgatttg	840
gaaaccgctg	aggaagagac	cgggggtacc	attgctgcag	aagtcggtgt	agtggccctg	900
gttttcacgg	tcgaggaaat	agaagcagag	tccatccttg	aggccgaaga	gccgcagcat	960
gtactcggcg	gtcaagccgt	gcaccttgca	ccacagggag	aagagagggg	gcgtgctctc	1020
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cttgtacttg	gcagcgtgaa	tcgcgtagat	gaggccatgg	ataccaccac	cagcgacaac	1140
aacgtcggat	ttctcaggga	tgtctgcacc	tgccgggttg	ttggagttga	ggatttgtgc	1200
atcgttgaga	ttgttggcgg	cagcacgctc	agcaaagggtg	tgcttagggg	tgggcttggt	1260
cacagtcatt	ttggtagtga	cagatgttaa				1290

<210> 5184

<211> 231

<212> DNA

<213> A.fumigatus

<400> 5184

ccaagagctg	tgccgcatct	ccgattggct	tacgtcacca	ctatgtacaa	catgatggcc	60
agagaatgtg	cagagaatca	gcagcattgg	ctacctttac	gggaatcaag	accgaaaaat	120
ttaggcacct	ggtttcttgt	aacccaaaag	ctcatgatct	actacttgca	ctatccaaat	180
tgtaaacata	aggcagatcc	gacggccccg	ggggatctac	caagcgaata	a	231

<210> 5185

<211> 411

<212> DNA

<213> A.fumigatus

<400> 5185

tcacaaacca	gcatgcaggc	ccttctccgc	cgccggcacct	cgctattcgg	ctcgacgcca	60
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tccggctccc ccaaggagag cgggggtatc gatgaattcc gcaaggcgcc gtcgcccgat 120
gtgttggtcc ccaagggtga cccggctgtt gacggagagg aatgcctcca cgactgtgcg 180
tcgtgtacgg tgaagtatcc agccaagttc gacgtggact acgaggatga gctctatggg 240
cacgtcaacg ggtgggcgac gcatctgctc gtcgcgaccg ggaagacaga ctgggtgagg 300
gatgttgcag acgagaaggg cagtttcatg gaagcgatcg agaaggaggg acttgtgccg 360
agcaatggcg acgtcgtctt ctctcagag ccgccgatcc gcgtagtggg g 411

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<210> 5186

<211> 1176

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5186

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<210> 5187

<211> 408

<212> DNA

<213> A.fumigatus

<400> 5187

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gccctcaaag ataatgaaga tctggagatg tatgtggctc gacttaagca ggagctcgac 300
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<210> 5188

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 5188

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cgaggaaggc	tgggtttaaa	tcaattctac	atcccaatgt	caccacgta	tcagcatgcg	180
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gacgagatag	tgagtcgagt	tgttaagggt	attgatagtg	tctttgagga	tatctacgct	1080
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<210> 5189

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 5189

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gcaggagagg	ttgcgtccc	cggaagcag	gcttatcaac	ggacttgtcc	gttctacaag	300
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aacgcctatt	ttctcagtca	ctatcatagt	gatcactata	tgggtctcac	atcgtcctgg	420
cgacatggcc	ctatttactg	tagcagggct	acagctaata	tagtgcgcca	gcaactcaag	480
gttgatccga	aatgggtggg	agacctgcca	tttgagaaga	agacagaggt	ccctggaacg	540
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aactcagaca	aacaggccgc	gcaggctcag	gggcggttgc	ttgtcgttat	agggacatat	1020
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gcgacgccc	ccaagaagcg	agtatgcgag	tgcttagaag	acccggaatt	atcctcacta	1140
ctcaccgata	atccagctga	ggctcaagtg	catatgcaga	cgctgtttga	gattcgtgca	1200
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<210> 5190

<211> 243

<212> DNA

<213> A.fumigatus

<400> 5190

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aaaaccagcc	ctaccttccc	ggagaagatt	ctctggcgtc	agaaggagca	attcagcgac	120
ggtgtcggta	acagctggat	tgacggcctg	aaggatcagc	cggagaagca	aatcacagat	180
gagatgatga	agaaccccaa	gccggaatgg	ggtaacgata	tccctgacac	caaggaagcg	240
taa						243

<210> 5191

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5191

caccaaggaa	gcgtaagtcc	acctatctca	gaagcccagg	ttggagacat	aagtctaaca	60
acaactttca	ggtactggta	cgcgatgatg	tttgacgagc	acttcccccc	aacgtgcgcg	120
tccaccgtcg	agcgttggac	accgacatgg	tcgaaacaga	ccgaccccag	tggaagggtac	180
gggccccaac	tcatatttgg	tcaacgcttt	tcccatgctg	atacatcaat	ctccagagct	240
atcgcaatcc	acgctgccaa	gtatgagcac	attgagtaa			279

<210> 5192

<211> 819

<212> DNA

<213> A.fumigatus

<400> 5192

atactagcgc	ggagcgtcgc	tccctgtggt	gaagaatggg	tgcaattctt	ctatcgacat	60
aaaccatcgg	ataccgtacc	tgattccctt	ttgggcaatg	atgtatgtat	tacgacccaa	120
ccgcaccat	caatccaaca	caaaaattgt	aggaaaggca	actcaaccgt	ccaaatttgt	180
gaaaacaaca	acaaacgcag	ttatgagcaa	ccgagaatgc	cacgagattc	gaacaacctc	240
cccaccacca	aacgtacat	caccaccac	agcaccgagg	gcgagtcggt	gttcatctcc	300
cactctcaaa	tcccagaata	catcccttcg	aaaccgatca	gcgacgatgg	ggatattgct	360
cttctctacg	caacagtatc	caatcctgtt	tctgtagatg	acgaaattga	cgtccaggct	420
tacgatgagt	accttcatac	ctcgcttga	ctgacgactt	cgcttggcac	ggtcctacaa	480
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ggagtgggtc	tggaaaggcg	agttgatttg	atcctggatt	ctgggcaaag	tcggacattg	600
cggcgggggg	atgtgagtat	ccagcgaggg	acggcgcat	cgtataaaaa	tcggagtgat	660
acggagtggg	gtcggatggt	gtttgtcttc	ttgccgatgc	agaagttgac	cattaagggg	720
cgagatctag	accaagaagt	gtatgacgag	cactatgatc	atgacactgg	gagtgagaat	780
gaatcgcaag	ggggaaatgg	gaatggaaa	ggctcttga			819

<210> 5193

<211> 744

<212> DNA

<213> A.fumigatus

<400> 5193

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tcttctcaat	ctctaactcg	gttgtgcatg	tggggaaaca	ccgcataccg	acgcgagatg	120
atctcccaca	ccggccccag	cttgagaaaa	tccgactcca	agatcgagtc	gcatccctcc	180
cggccatacg	gggaagacgt	ggcgccctat	cccaaggagg	atgcgctgca	gctcaatggt	240
ggtggccggg	gtgccactca	gcgcgcctg	aagaactacc	aggtgacgat	gatcgggttc	300
tgcgggggta	ttggcaccgg	tctgttcgtg	ggaacgggtg	cgccgtatgc	caaagctggg	360
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agtatcgccg	agttggcgac	gctgctgccc	accgcgggat	cattcccgc	ctgggcgaca	480
cgcttcattg	atccctctgt	tggtttctcg	ctggccatct	cgtacggcta	ctggtacacc	540
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acacccgcgg	tggtcatcac	cgtgggcctg	gtgctgattc	tggcgatcaa	tgatcatgaat	660
gtgctgattgt	acgggtgagac	agaagtcctc	gccggtagcg	tcccagatcc	tctgcttctt	720
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<210> 5194

<211> 426

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (332)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5194

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agacagcctc	agcattgcat	tgagtgggct	caccaaactc	actggcaaga	gaagcgcaag	180
gacgaccctt	tgacagcgat	gaactggaac	atatcaactg	ggtttataac	gcccctcttt	240
gaaagggcaa	tcaattccac	atccaccggt	gttacctttc	aaatgaccca	aggcgtggtc	300
caaaaatatc	catcccgcta	ttggcttcca	anaaaagccg	tcttcgcaa	cccgggaacca	360
agtctcgaag	cacttgaaaa	ttccctacct	ccccggaacc	ccttaacttg	gataactttt	420
ttaatt						426

<210> 5195

<211> 366

<212> DNA

<213> A.fumigatus

<400> 5195

acatgggtaa	gtgtttctat	caccatacga	ctttgcggtg	gtctgactcc	aaaagataca	60
attgatattc	ccaatttgaa	ccggcagttt	ctgttccgac	aaactgacat	cggcaagcct	120
aaggcagagg	ttgctgcatc	attcgtggag	aagcgagtca	aagggtgtcaa	aatcacgcca	180
tatgtcggca	agattcagga	taaggacgag	gattattaca	tgcagttcaa	gatcattgta	240
tgtggcttgg	atagtatcga	ggccagacgg	tggatcaatt	ccactcttat	cgggatgggt	300
gatccgga	atcctgagag	tctcaagcct	ctcattgacg	ggggaacaga	aggtaaagtc	360
atctga						366

<210> 5196

<211> 186

<212> DNA

<213> A.fumigatus

<400> 5196

cccactaggt	acggagtatg	tgaggaaatc	gcgcaaacat	ccggcaatcc	gctttgtatt	60
gttttctcgc	gctcgactac	ggagtactat	ggctcgattc	tgctctcttc	tagaagtgtc	120
cagtatcgag	ctacctacgt	ccaggtagat	ttgctgggtc	catcgtacta	tcgaagtccc	180
tgttaa						186

<210> 5197

<211> 624

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (610)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5197

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aaggaaacac	ctgcagaaga	agaggtggtg	gaatccctca	ttcagggacg	cgcgagacga	180
agtacagcag	ggcgatcatc	atccgcgctt	ctgaacgctg	aagcagacga	cgagctcgcg	240
ctactgttcg	aggaagtaga	cgatgacaat	gaattttcaa	ttgacgcaga	ggaagaagca	300
gaagaggatg	acatggcttt	ggactcatct	tccgatgacg	atgaagatca	aggcccaaac	360
gcgcgcagcg	atgatttgga	aggtgagaag	gagatcgaaa	aggaagccaa	ggccgaccga	420
cagaaacgca	gagcacgcga	agatctacgc	ctgaagctgg	cccggaagaa	ggtcaagatc	480
gatccctccg	ccgtctctgc	cgtctccgca	gtacctgccc	ctcgacccaa	gaagaaatca	540
gaacgtatct	cgtggcttcc	cacgggttgaa	gatcggccta	cgcggtcgtt	gtgtacacgc	600
cggggcgaan	agaagagcca	ctgg				624

<210> 5198

<211> 258

<212> DNA

<213> *A.fumigatus*

<400> 5198

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gaaaaaaaaac	tcaacgacca	tggtttctgac	gatctctctc	tcacaggcct	tcattcaaga	120
tgcagatctt	tgtcaagacc	cttaccgggt	aagactatca	ccctcgaggt	ggagtcttcg	180
gacaccattg	aaaatgttca	gtccaagatc	caggggtacc	ccaccctcc	aagcatcctg	240
gctgcagaag	actcctga					258

<210> 5199

<211> 231

<212> DNA

<213> *A.fumigatus*

<400> 5199

tctgcagatc	ggcgggtgca	tggtccact	cccacaaagg	gggcaaaagg	gtcgggaagcc	60
gcgggactct	atggatttgg	acagagtgc	tcaactgttg	gcatgaacaa	atcgatttgt	120
gcaactgcca	tgatcatcat	ctccaatgtc	catatcctaa	gaggagatgt	attcatcatt	180
ctctacagca	ggcagcagct	caacaagttg	cacctagact	ctgcaagttg	a	231

<210> 5200

<211> 900

<212> DNA

<213> *A.fumigatus*

<400> 5200

attttgacaa	gagtcattca	agcaagttcc	tccaagcgca	cgttcattga	attagaagca	60
gagcacaaga	cccagatgcc	accataccta	tctatatgca	cccagtcct	gcgttctatt	120
gcagaagcaa	gcggtcatca	ggccacttcg	acaatgacaa	gtagggaggc	tttgactgtg	180
gcagtcgcat	cagttctctt	ggctcagaat	caaaatgaag	catccaaaaa	gataatagct	240
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gcaacgatca	tgcttcaaac	gaacgaatgg	aaaggcttaa	atataattaa	atcctggggga	420
gatttgcatg	acctgtttga	tggcaggctt	tttaggtcat	gtgctgcgta	ttactcggtg	480
gagaaagtag	cacacctgag	cagccttata	accgacgatt	ggcatactgt	ttggacctgt	540
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acagcgacat	tgcagcatga	aggacgaatc	ttcgatgacg	aacatgaaga	caaccaagac	660

gatgaggagg	acgaggggga	tgaggaagaa	ggagacgaag	aagggtgaaga	tgacgaaaca	720
gatggagatg	aggcaacaaa	tgaagaggat	gaagacatgg	aaagcaagta	tgccctgttg	780
ccgttcgaaa	acctaacatt	tgatcaacat	ctcgccagcg	tacgcgtagt	catagaggac	840
tgcgaggggg	aatatccaga	gcgagccttt	tcaccacgta	gcaagcagat	ccacgattaa	900

<210> 5201

<211> 390

<212> DNA

<213> A.fumigatus

<400> 5201

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caagccgcct	cgaatatcga	tcgctccaag	tatcagttgg	cgagggagat	catctatcag	120
catctcaagg	tgcacattca	ggaccagtac	cctgatcttc	aagttcaccg	gtttccctct	180
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cacaatggag	tactgcagaa	tagacgtcgg	ctcattgatg	atacacttcg	tggtatctgt	300
aacatgatga	ctcttgggct	ggatgtggca	atcatcaatg	agattgagtg	gcgtgatact	360
aaggttcgta	tctttccctt	gtcagtgtaa				390

<210> 5202

<211> 312

<212> DNA

<213> A.fumigatus

<400> 5202

acccccggcc	ctacagtccc	tggtgctaca	ggaagtatag	actttatgag	ggaactcagg	60
gccatggttg	ataatatcaa	cttcctagtt	atacttatca	ccttggggaa	ccctaagggc	120
aacctgcttg	taactgtttg	gtggatctct	gctgttggtg	aatttaatgg	cttttccatc	180
tatgattatc	tcaggagggg	cttcctttgcc	tggtttaata	agaatggcc	tagactgttt	240
tcctggaaca	gctacctaata	aaaatacctt	gtaatggcaa	ttattttgga	ttttggcttt	300
gctgtcagtt	ag					312

<210> 5203

<211> 330

<212> DNA

<213> A.fumigatus

<400> 5203

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ttcctattcc	ttgcagctgc	cctcatggca	cccaccctag	ccatctctga	acctgcctgg	120
atgaaatacc	tagctggact	agatgagcca	gcagatgcag	ctgaacaaat	taatctcaac	180
tatttagctc	atctggctga	catagccgat	tccgttgggtg	tggccaatcc	agtcagcctg	240
gatgaactgg	cttacctagc	taagcttgcg	tatctaactg	acagcaaagc	caaaatccaa	300
aataattgcc	attacaaggt	attttattag				330

<210> 5204

<211> 744

<212> DNA

<213> A.fumigatus

<400> 5204

atcagcgtg	tagaagccaa	ggtgccaaag	ccaccattgt	atttgcagat	ttgcagtagc	60
tggtacttgc	caactaatat	aaagggtgtg	agacccgagc	ggcagttggc	ctgcaatatc	120
gaacctcaac	ctttttgtag	ttccccatcg	attcatccaa	tggttaacaat	ggccgaggcg	180
tcaaacggcc	agagacgaga	cccaagcaaa	gtgcaggcat	ggctcgtggg	cagtgggatg	240
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cacattctcg	atctacatct	ggggtttggg	ggcgaaatgg	gaacctcggg	agatgcgcaa	360
aacggctatt	tcgttccctt	cgagtcccat	ccctattttc	atggcgactg	tatcaaggat	420
ctgctatcta	ttgtaccgag	ccccggtgag	ccaggcaaat	ccatgatgga	cgatatttac	480
tcgcttgaaa	agaatgagcg	gcgaccgccg	caggactcgg	ggatgacgcg	ggcaatcaag	540
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cgatttgagc	tgatgaagtt	catcatggag	agcgagacga	gcttaggcgc	gaaaagcatc	660
aatcagatct	tcgaaccgtc	cttctttgaa	actggattct	ggacgcgatg	gtcaacagcg	720
tatgccactc	aatggcaccc	ttga				744

<210> 5205

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5205

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cagaacgtgc	tgttgaactt	cggtgctgtg	gactatgagg	caaccgtttt	tgtcaatggg	120
aagcaggctg	gcttcaatcg	gggaggatat	ttttcctttt	accctggaca	tcacgcaatt	180
tgtctccttc	gacggcacga	atga				204

<210> 5206

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5206

attgtgagaa	acttagccca	gtcttatttc	caagctgact	ctatcagggtt	ggtctttgtg	60
cacgatccca	ctgacagcgg	tgactatgtc	ataccaattg	gcaaacagag	actcatccca	120
gcccatatct	tctatacgcc	ctgcagcggc	atatggcaga	gtgtctggat	tgagtctgct	180
ccagccaact	atatcacgga	gttgacatt	agtgtctggg	tggacgggtca	aggtgcgtga	240

<210> 5207

<211> 369

<212> DNA

<213> A.fumigatus

<400> 5207

agattatttc	ttaggaaact	gacagcaaaa	gtcaacgtaa	ccgccgtcag	tgccagtgga	60
aaatcgatgc	cggtggacat	tacagttttc	gatggcagtt	cagataagaa	ggttgcattc	120
cacaagggta	catctgacca	acccttcagt	tttaagggtg	agtctccgaa	attgtggctg	180
ccggattctc	cgactctgta	taacattagc	gtcaagatgg	gagcagatga	ggtcaagagt	240
tatactggct	tcogtactat	atcgaaagga	acagtcaatg	gcattcttgcg	accattgata	300
aacggcgaat	ttacatttgt	gttcgggtacg	cttgacttag	gaaatgaccc	gaatgtatgg	360
actcttaac						369

<210> 5208

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5208

cgaacgccgc	caccgatgga	tttgcgaaac	cagcgagcct	tctttatgaa	ttcagtggat	60
ccgacgatga	tgctcccaat	cggtgctccc	aagccttttg	agaagcagag	actcacactg	120
tcgaacaggc	cagcatattc	tggcaagctg	ccggctccag	aaaccactgc	ttcccaaagt	180
ctcgcgccgt	ccaaatgcac	cttgactccg	ttctga			216

<210> 5209
 <211> 1152
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1111)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5209
 acagcgctcg cattctacgc cggcaacttc ttgccttccg gccacattct cccgctcaaa 60
 cgttcggagg gaatcgagta tttgccatgg cgagcacttc agcccgtctc gatgggacca 120
 atggcaggat cagtagttgg caggggtgccg gcgcagcaga attcgacttg cgaagtgagt 180
 tctttgcagt gcagtggaaag acacgaggaa ctaatacggga agaacacca aggcgacacg 240
 atgaccaagc ctaccccatc gatgctcgaa gcaatctgtc agacaacctt gttggacgac 300
 gtttttgaag aggatcctgt gacaaatgac ctccaagcct acgtcgccga acggactggc 360
 catcagagcg ccttactcgt catgtcgggg actatgggca atcaggttgc gattcggaca 420
 catctcgtgc aacctcctta ctccgttctc tgtgatcatc gctctcacat tgtgcgctac 480
 gaggccggag gcgtcagctc tctgacaggg gccatggtag aacctatcgt gccgagtaac 540
 ggtattcacc ttactctaga ggacattcaa aagcacgcag tgctcgatga agacgtacat 600
 tactgcccac caaagcttat cagcttggag aataccctgg atggcatggg gatgcctctg 660
 gccgaagctc tcgggatcac agaattgggt catcagaacg gagtcaagggt gcatttggac 720
 gccgcgagac tttgggaagc agtgggtttct ggagccggca gcttgccaga atatgctggc 780
 ctgttcgaca gtgtgagtct ctgcttctca aaaggcttgg gagcaccgat tgggagcatc 840
 atcgtcggat ccaactgaatt cataaagaag gctcgtctgg ttcgcaaata catcgggtggc 900
 ggcgttcgtc aggtctgggt aattgctgcg gctgcgcggg tggccctcga ggagactttc 960
 gggccagatc ccaacgggtc gaagggtaaa cttcgagaaa ctcacatcaa tgccaagaga 1020
 gtcgctgaga tgtggacaac ccgtggcggc aagttgcaac atccagtaca taccaacatg 1080
 gtatggctgg accttgaatc ctctgggtgta ngccccaatg accttgctga gatcggaagg 1140
 agcttggcct ca 1152

<210> 5210
 <211> 966
 <212> DNA
 <213> A.fumigatus

<400> 5210
 catcaagagc tacctcaaac tgacagaccc cgacgacaag tttcctacac tgtcacgcaa 60
 gagcgattct ggcttggtaa gtttccagtg aattatcgtg tgcattgggt gtcggtacat 120
 gctctttctc cacacaatgt tccttctctc gatcccgtc tcagcccgtg gataccattt 180
 ttctttgtca ttttgtatct ggtcgacttt gctgattatt atcctcagct gtctgcaaac 240
 tcggacgcgt tggatctagc aaattcgcgt actcctaacc cagagacttg gaactcacac 300
 agccgccatc gctcctccca tcagagcatg cctcagaacg ccctgaacat gttccgtctt 360
 gatcagctcg gaaactctac tagcgagagc cacgctcaag cgtccaaccc tgctcgtcac 420
 attgcgagac actccctgga agcaaccctc ttacacagcc aggaaggagg ccacggaaat 480
 ataggtccag ctgtctcaag tcgtccaact tcgctccaga cgtcttactc cacgaacgac 540
 gtgcccacta tccagggaga cggattcaac cctgcgatta cgcaccccca ggccgatgct 600
 gagagttttc agcaacataa caacacgccg ggcagaattc ccagcccaat tccattggca 660
 ctcagcagaa ggacgccgtg gcaacatgat gagcccaagc ctcagaactc tctgactcag 720
 cagacgacct tgcaggctag tgctcctcct tttggaccac agcttactgc tgccgcagta 780
 acccaaaata cggttactcc gactgcgatg actgcgttcc cagcgccttt ctacgggtat 840
 ggaatccaaa catacatggg aaaccctgta cagggtcaatg gccaaactca gaacttcagc 900
 cccaccgccc cctacgggtg ctatcctcct tacggtaact atcgactggc agaaggtcaa 960
 gcctaa

<210> 5211
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 5211
 ggcgttgctg ctgcgagaag cgggtgacgga gactctaacc aactgtctcg cttcaccaat 60
 tttccgctgg agcattatcg gggcgagctg tacacccttt gcaaagatca gcatggctgt 120
 aggtatctgc agagaaagct ggaggaacgt aaccctgaac atgttcaact catattcgac 180
 gaaactaata tgcacgttgt tgagctaatt actgggtcgt aa 222

<210> 5212
 <211> 519
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (496), (513)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5212
 aacttaccct acttgcattt ggagaaacat ttgttttcta acattgtccc aacagatcca 60
 ttccggcaact acctgtgcca gaaactgctt gaatttctta atgacgagca gcgaaccgct 120
 ttaattaata acgctgcca ccaacttggtg aaaatagcct tgaaccagca tggcactaga 180
 gctttgcaga agatgattga attcatctca acccccgaa aaatccagac ggtcatccaa 240
 gctctacgtg atcatgttgt ggagctggtt caggacctga atggcaacca tgtcatccag 300
 aagtgtctca accgtctttc tgccgaagac gcacagttca tctatgacgc cgttggcgcc 360
 aattgtgtgg ttgtcggcac ccatcgacac gaatgctgtg tcatgcagcg atgcattgac 420
 caccgctctg gcgagcagag agctcgtttg atgtcttcac cacgggggtg gaagtaccag 480
 cgggggtcaa aaggtnttac aaggctttca tanttccgc 519

<210> 5213
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 5213
 ctgactgact tctctaccc caggattcac cgctattcaa tgcctccac tgggtctagga 60
 tcacagattc gtcttaatat tgctgcgttc agcaacacct caggcctgga ctctttctct 120
 gctgcgaagt acttgttcca caacgaggac gacagagcca ctgtgacaga ggaggatcga 180
 attcctaccc ctgacatcaa gagctacctc aaactgacag accccgacga caagtttctt 240
 aactgtcac gcaagagcga ttctggcttg gtaagtttcc agtga 285

<210> 5214
 <211> 525
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (518)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5214
 taccatagct cggttccttc gacccccctgt ggtagaagac agccggagga acctccccgc 60

cgcccgctctg	aagacaccgt	cgccggatcg	ggagggtctc	ccgacttgaa	gtacggcacg	120
gtcttggatg	aactcccgca	ggactgggaa	gtcgtcccgg	gtgagagcat	ggggaacttc	180
tacgcgggca	atatggccat	tatgtccgca	gatacgaact	tcttcccggc	ttccctgcc	240
aatgacggtc	tgatcgatgt	tgttacaatt	gatggaacca	tcagccgcct	cacatcgctc	300
aaaatgatga	cagagatccc	tgaggggagga	ttttttgata	tgccggatgt	taggattcgt	360
aaggcttcgg	catatcgact	cactccccgg	gagaaagatg	gctacatcag	tgtcgatggg	420
gaacgtatac	cctttgagcc	gtttcaagtc	gaagttcatc	gtggtctagg	tacggtgttg	480
tcgaagtccg	ggcaccttta	cgaagccgaa	ggtccgangc	catga		525

<210> 5215

<211> 849

<212> DNA

<213> A.fumigatus

<400> 5215

tcaactaaca	atacccccat	tgcgataggg	ttctaccact	ccgaccgtcc	cctcacacaa	60
caagccctcg	cccgcaacct	ctcgtacgcg	ctcgtcccga	ctctcccgcg	gcagacactc	120
caccgcttcc	tgcgcgcggt	ctggatcacc	atcgggaggg	acttccactc	gctggaccgt	180
ttgcggctcg	ataaatatct	ctacctgatc	cgctgctacg	taggcgtggc	attcgagatc	240
ttcctcaagg	ggaacaaggg	ggagcagcag	caatccacac	ataccaacgg	agccagcaaa	300
aagcgcaagc	gcgaagaaca	aaccgcggcg	gggaagaaga	agcgctcgaa	agcagacaag	360
gaggacgaag	cgcgtgatga	agcggtatgt	gaggaggggc	aggatggcga	gggtgactgg	420
gccgagctcg	agtcatacat	gaccatcatc	gagggaagggc	ctctgtgccc	gctcaatttc	480
gaccocggatc	agccccctgc	cgatgagaag	aaccgcgaact	atgtgcctat	gccccatggc	540
ccggatgggc	ttcgctacca	cttgcctggat	atctggattg	atgagataga	aaaagtgcct	600
gagttcgagg	aggggggagac	acaagatggg	tcttcgcgga	aagtcaaggg	tcaggttccc	660
atggaactcc	tactgcgccc	cattgagaag	ctgcgcgaag	agagtcctct	taagcctgtg	720
agaacaagag	cggcagaaac	cttaaagcag	gaccgatggg	ttcagtgggg	attcaagact	780
agggaagtgg	aggaggagga	tggcgacgat	gatagtggagc	aggaaatgggg	tgggttcgcg	840
gacgattga						849

<210> 5216

<211> 1677

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1104)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5216

aaaattacta	gaaatgcaga	gtccccgaatt	aggaaaggcg	gcgacagctc	agatcttagc	60
ttttccctcc	atcgacccat	atctcctgcg	catttatacc	taccttcacg	acctcggcct	120
gccatggcgt	cgttttaaata	accgtacatc	tgcttcaatt	gcagattaac	gagcagactc	180
accgcagcga	acttcgcgcg	gtctgctcga	accttggaa	tgctgcgccc	cgcaaccgct	240
ccgaaaccca	ccccgcacat	caaacatatc	cgccagaacg	cagagctcta	ctcgaaaaac	300
agcgtggatc	gaaattaccc	gacacacgct	gactatccct	acaaaatcca	agagctctcg	360
gaagaagcaa	ggcgtcttga	tcaagatctc	aaagcgccgc	ggtcccgcac	caagcaattg	420
gagaagacga	tagcgaatct	tgccggcatcc	gctcgccaaa	atggcgcgct	aagtgccatt	480
gaggaagaat	tggcatctct	tcggtcagag	gcacaacgat	tgaaggatga	gtcgcatgca	540
atgaataccc	ggagaacaac	tgcaccgaa	gaaatccaac	ggctcgccct	atccctaccg	600
aacctttcct	cggccgatac	ccctgttggg	gacgacccaa	agctcgtcac	gtacatcaat	660
ttcgaccctc	aatccccgcg	agaatgggtt	agccgtccag	atccgtcgcg	gtctcatgtc	720
gctatcggca	ccgcgctaga	actgatcgat	tttacaagct	ctgcgaccac	cacaggctgg	780
ggctggtact	tcttgacaaa	cgaaggagcg	ctgctggaac	aagccctggg	tcagtacgcc	840

ctcagcgtgg	cccgcaccg	cggctggaaa	gtcgtgtctc	caccgtcgat	cgtctactcc	900
tacatcgctg	aagcgtgceg	ctttcagccc	cgcgaccagc	acaacgagca	gcagatctgg	960
gccatcgagc	agagcgacaa	ggacaagagt	aagccccagc	gctctctgac	cggaacagcg	1020
gagatccctc	tggcagccat	gtacgccggt	cgtgaccttg	acgcttcctc	catccccctc	1080
aaactcgctg	gcgccagccg	ctgntaccgc	gccgaggcag	gctcccgcgg	cgtcgacacc	1140
aagggtttgt	accgctgca	cgaattcacc	aaggtcgaac	tattcggatg	ggccgacact	1200
ctccccgcaa	ccatatacctc	cgacaacctc	ttcaccgagc	tcctcgacat	ccagaccgag	1260
atcctcaccg	ccctgagcct	cccttgccgc	gtcctggaaa	tgcccaccac	agatctcggc	1320
gccagcgcca	gcccgaacg	cgacattgag	gccctcttcc	cgtcccgact	gcgcgtcccc	1380
ggttccagta	gcggcagcgg	cagctcctcg	cctgacctcg	agtcgggctg	gggtgaagtc	1440
acctccgcct	cgatctgcac	ggattaccag	agtcgacgac	ttggcactcg	tgtgcgcggc	1500
ggctcggcga	aggaatctcg	cttccccccac	accgtcaatg	ggacagcgat	ggccgttccg	1560
cgtgtactgg	ccgctatcct	ggagaatgga	tgggatgaga	agcgaaaggt	ggttgtgatt	1620
ccggaggtgc	tgcggaaatg	gatgggcggg	atggagggtta	ttggagagaa	atcgtag	1677

<210> 5217

<211> 423

<212> DNA

<213> A.fumigatus

<400> 5217

tggtcgcata	agagacctga	gagagtctcg	atgcatctat	tttctcctgg	ccgagacatt	60
gagacttcct	tcttctccat	atctgaacta	cagttgcatt	cgatccgagt	tcgggcgggt	120
gcagcccagt	tggaaaccgaa	tcactgcaat	ttcgagtcgg	aatttgcaat	cagaaatcta	180
ggatctatca	attgtatcag	aataacttcg	aagagaaata	atctaggacg	aaagtataat	240
cgctacatgg	gtgctctatc	taagaaaggg	cagactctat	tgacttgcca	gaattacgtt	300
aaaacagcta	tcccatattc	cctgggagat	tattatataat	acccattaat	aggccccctc	360
ggtgctgtta	taactggcca	taattccaag	cccaaggatt	atttgccaat	gttcacaaac	420
ccc						423

<210> 5218

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5218

tatgtaagta	ttgaccccc	tttgtcctct	tgtaaaaagg	aggagcaact	gacttttggc	60
agctttgatg	ggttcggctc	ctaccctgag	catatgcaat	cctcgaacat	gttcaagaac	120
atcgggcgca	ttgggtattga	gatgtatctg	ctcttccaac	accatacgac	gctggacatc	180
ttgcgaaatg	tcaacaccga	catagatctt	ttcaccatca	cggggatcgg	ggtggcattt	240
tgtcaagtat	ttaggaccag	ctgttgtcgt	cgttggcgct	ga		282

<210> 5219

<211> 1725

<212> DNA

<213> A.fumigatus

<400> 5219

tatgcacctt	cggggatcgc	gggcacctca	acactggcag	ggttgcatgc	acaaagtgct	60
gccgcccagc	gaatagcaga	accatacgcc	ggtcaattac	ctcgaaccca	gcagcaccag	120
tttcccactc	agcgaccttg	gactccaaca	gagcagccgg	ggtctcaacc	acatggtcca	180
cccacagttt	accagggtgc	cgaggccggt	gaatcacgat	caccgaatcc	accggccagt	240
tcctatcaac	ctcctccacc	tcaacctgtc	gcaacgccgc	ctcatgccgc	tgctcagggc	300
cagcagccgc	catggattcc	gcctaacgca	ctggagcaag	accttgaaag	gatgcgtatt	360
atttcctcgc	ctcctcctgc	gtactcgagt	gtatccggat	ctgctgctcc	ccaaggctat	420
cccaatgaaa	agcagcgttt	gtcggcttcc	atgggccatc	cagctcttgc	agcaagccat	480

ccaacaacca	tggctactcc	cactgctgct	gctgctgctc	cgacgggtctc	gccccaaagat	540
catccggcgt	ttgccaacga	accccggcag	cagtcgccgg	cagggtttttc	accacagaat	600
ggtacttcgg	ccggggcgcca	gcctaccctt	gtgcagaatg	caccagccac	ttccgtgccc	660
ggctcatcga	cgtttcctcc	agcctctccg	ccgccgtctc	cagaagggtg	gatagcccat	720
ctggatccta	attcaggaca	gtactattat	atccacctcc	caactcagtc	gacgcagtgg	780
gaatttccca	agggaccgac	tcctttgaac	ctgaacgaaa	ctccgttgtc	accggtcggc	840
agcgtgtaca	gtagtcatcc	tcttgctctc	cccggtttct	caacttttgg	gaagccactg	900
gcgtctcccg	gcacccctct	aacgcctggt	ctagctcccg	gctatgagag	tctgcaatca	960
cccgtagtga	ctggtttcag	cgggccccct	ccaagcagtg	gggttgatct	gtacaaagtt	1020
gctccaacca	acgggtgtcta	cttcggaccc	tatctccggg	acacgaacat	ggatctcgag	1080
cgcggtatct	ggctgggctc	tattctgctg	gtcaccgacg	ctgccagacc	gccaaccatc	1140
cacattcatc	aaagcgtcga	tctgtcgccc	aatccccggc	agctcaagcc	aatgagcatt	1200
gccgtgcacc	agcgtctggac	gtttttacaag	tacgagggtg	acttgccggat	ggaggagtct	1260
ggtcccgcga	agtggacgta	tgccattacg	tgcaccttg	gctgcactcg	atacgaattc	1320
ctcgtggctg	gtcggtagca	gacgaactgg	cgcttcgtcg	ccacttcggg	caacgacttc	1380
tctgttaaag	tgaatgcaaa	tgagagggtc	cgtctgggag	gaatcggttt	catgtggaag	1440
gacatcatgc	agaaacatat	tgagattggg	ggctttcatg	cgcagctgtg	ctgtggcggc	1500
cagatttacg	cggatcgaat	gtggaaggag	attccatcac	tgaagcagtg	gcttgcgatt	1560
agtgggaaag	aggctcgcaa	aaatgcaccg	tggacagcag	cgcagtagga	ggacgtttct	1620
catgcttatt	tccattatta	caccagtcac	tttgaccagc	cttatttgag	ggagtcgttt	1680
gctcaggttc	cgtacgtctg	ccagctcgat	gaccatgata	tgtaa		1725

<210> 5220

<211> 237

<212> DNA

<213> A.fumigatus

<400> 5220

gctgtgacat	gggactgcga	gcccattccat	gcgaaatgct	ggtcccatgc	acgtttctcaa	60
agagtacgaa	ctcttctggt	tttttttttt	ttttccatca	ccgtgggggc	tagaatcgct	120
gacatgtaca	gttattttca	tgacgccagt	acctacgaga	ggcctgaagg	ctttgaattc	180
ttcgtttctc	cccggagtgg	agggaagata	acctgctctg	cagttttccc	ggggtga	237

<210> 5221

<211> 213

<212> DNA

<213> A.fumigatus

<400> 5221

agtccctctac	ttattaagat	caccacctat	accatcctgg	ctggcttccc	tttccctcgct	60
ttgaatagta	gcctggagaa	gggccacagt	attgatattg	cggttggtgg	taataatccta	120
caaaagactg	gcgctttgag	gtctgaaaca	acagttagac	tactgatgag	attgacttac	180
attagctaca	aaagctatat	atcccatcaa	taa			213

<210> 5222

<211> 771

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (101), (256)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5222

tccgtcgccc	caacaatcca	acaggcgcca	ccgcccttgg	ccataattgg	ccccacagg	60
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tatttttctct	tcctagttcg	gaccccgccg	aaaagcaact	ntccccgtct	tcgtaaacag	120
gcattcttcgg	gcccgcgtaaa	agtactctcc	ggctcttctcg	tcgtcatcaa	tctctccgac	180
cgttcggccc	gccgccagct	cttcttctcc	ggcgcagcag	ccatgtccgc	atgcatgttc	240
gccaccgccc	cgcgtcntcaa	atcttccccc	cgggcacctg	cctcaccagg	atcctcccaa	300
ggaagcacca	cgcacctcct	cacgccagca	gcactcgcaa	ccatcaccct	gatctacctc	360
gacatcacccg	cctacaatct	ctcttggggg	ccattgccct	ggccctgcgt	gtctgagctc	420
ttccctacac	gcattccgcga	gcccgggggtc	gcagtgggtg	tcggcgcgca	atggatgttc	480
aatttctgtgt	ggctcgtttag	cacgccgtat	atcttgagca	aaatcaaattg	ggctacgttc	540
gtgctgtttg	gggggtttgga	tctgctgatt	gtgggggtttg	tgtgggggtt	tgtgccggag	600
acgcggggga	agtcgtttgga	ggagattagt	gctttgtttg	aggggaattc	ctctcttttg	660
tcttcttctc	ggggaactga	gggtcattat	gaggctggtc	ccgatggtga	tggtgttaat	720
ggtaaggacg	ggagtatat	gcctgtcgcg	gccggaagtg	cttcttctgtg	a	771

<210> 5223

<211> 876

<212> DNA

<213> A.fumigatus

<400> 5223

cagttgaata	tagagcttgc	ctctactctt	gagaactcga	ctctcttcga	gaagaaccct	60
gaatatcgca	aggctctcgc	cgttgtctcc	gtccccgagc	gtgtgggttca	gttccgtgtc	120
gtctgggagg	atgacaacca	ccagggtccag	atcaaccgtg	gttaccgtgt	ccagttcaac	180
tccgctcttg	gtccctacaa	gggtgggtctc	cgtttccacc	cctccgttaa	cctgtccatc	240
ctaaagtctc	ttggtttcga	gcagatcttc	aagaacgctc	tgaccgggtct	gaacatgggt	300
gggtggcaagg	gtggttccga	cttcgacccc	aagggcaagt	ccgacaacga	gatccgtcgc	360
ttctgcgtgg	ccttcatgac	cgagctgtgc	aagcacatcg	gtgccgacac	cgacgtcccc	420
gccggtgaca	ttggtgtcac	cggctcgtgag	atcggtttcc	tctttggcca	ataccgcaag	480
atccgcaacc	agtgaggagg	tgtcctcacc	ggcaagggcg	gtagctgggg	tggttctctg	540
atccgtcccc	aggccaccgg	ctacggtctc	gtctactacg	tcgaccatat	gatcaagtat	600
gtcaccaagg	gtgccgagtc	cttcgccggc	aagcgcgtcg	ccatctccgg	ctctggtaat	660
gtcgcccagt	tcgctgcctt	caaggtcatc	gagctcggcg	gttccgtcgt	ctccctgtcc	720
gacagcaatg	gtcctctggt	tgtcaacggc	gaaggcagct	tctccccgcg	cgaagatcga	780
aatcatcgcg	caactcaatg	tcgaccgcaa	gcagctctcc	gatgttgcta	ccaccgaagt	840
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<210> 5224

<211> 285

<212> DNA

<213> A.fumigatus

<400> 5224

tcaagtatgt	caccaaggggt	gccgagtcct	tcgccggcaa	gcgcgtcgcc	atctccggct	60
ctggtaaatgt	cgcccagttc	gctgccctca	aggatcatcga	gctcggcgggt	tccgtcgtct	120
ccctgtccga	cagcaatggc	tccctgggtg	tcaacggcga	aggcagcttc	tccccgcgcg	180
aagatcgaaa	tcatocegca	actcaatgtc	gaccgcaagc	agctctccga	tgttgctacc	240
accgaagtct	ttggcaccaa	gttcaagttt	cttccaaggc	ggccg		285

<210> 5225

<211> 636

<212> DNA

<213> A.fumigatus

<400> 5225

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gccttcgccg	ttgacaacca	gggagccatt	gctgtcggac	agggagacga	cggaaaccgc	180

gagctcgatg	accttgaggg	cagcgaactg	ggcgacatta	ccagagccgg	agatggcgac	240
gcgcttgccg	gcgaaggact	cggcaccctt	ggtgacatac	ttgatcatat	ggtcgacgta	300
gtagacgaga	ccgtagccgg	tggcctcggg	acggatcaga	gaaccacccc	agctaccgcc	360
cttgccggtg	aggacaccct	cccactgggt	gcggatcttg	cgggtattggc	caaagaggaa	420
accgatctca	cgaaccggtga	caccaatgtc	accggcgggg	acgtcgggtg	cggcaccgat	480
gtgcttgcac	agctcgggtca	tgaaggccac	gcagaagcga	cggatctcgt	tgtcggactt	540
gcccttgggg	tcgaagtcgg	aaccaccctt	gccaccaccc	atgttcagac	cggtcagagc	600
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<210> 5226

<211> 381

<212> DNA

<213> A.fumigatus

<400> 5226

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ggagtgcagt	acgccccagg	catcaacaag	gcaccaacaa	ggctagttcc	cgaggcgtcc	180
actaaaactc	tgaccaatag	gactgcacgt	tggtttggcg	gctgggggtca	tccatggaac	240
atcaatgtga	ctgatcaact	cagtgtttac	aactctttac	gacaaaactgg	atttaattgtt	300
ttcgatgtct	tcttacggaa	aaaagtatct	gagtatctat	taccgtttca	tcccataagg	360
agtactctga	tctgtggtgc	g				381

<210> 5227

<211> 210

<212> DNA

<213> A.fumigatus

<400> 5227

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attatcgtca	tcaggctggt	cgaggaatca	ttgcttctcc	agtgcattgc	aagtttgcag	180
cttttggggag	acatttcccc	ctcatggtga				210

<210> 5228

<211> 441

<212> DNA

<213> A.fumigatus

<400> 5228

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gggtggctgg	atacacttac	catagtgggt	gctgttagca	agcttgatgg	cctcctcctc	180
ggtcttgaa	ttctgcactg	tgcaaacagg	gccgaagatc	tcctcttgaa	caatcttcat	240
atcgccgttg	acatccgcaa	agatagtggg	tttaatgaaa	tatcccttgt	caccaaggcg	300
ttctccgcca	gtaacaactc	ttgcacccgc	ctgctttccg	tcttggatgt	agcccatgat	360
gcgatcgaac	tgcagctgcg	aaacctgagg	tccttggaac	gtctggggat	cgaagggatc	420
gccgactttg	ttctgttctg	a				441

<210> 5229

<211> 378

<212> DNA

<213> A.fumigatus

<400> 5229

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------------	------------	------------	------------	------------	------------	----

aggaggccat	caagcttgct	aacagcacca	actatggtaa	gtgtatccag	ccacccagct	120
ggttcacccc	cgtaaatctc	atgcacaggt	cttgccctctg	ctgtccacac	caagaacgtc	180
aataccgcaa	ttcgtgtatc	aaacgccatc	aaggctggaa	gcgtctgggt	caacaattac	240
aatatgatct	atccccaggc	accattcggg	ggctacaagg	aatcgggtct	tggccgtgaa	300
ctcggctctt	atgctcttga	gaactatact	cagggtcaaga	cagtacacat	ccggacaggg	360
gattgcccgt	tcccctga					378

<210> 5230

<211> 207

<212> DNA

<213> A.fumigatus

<400> 5230

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cgttccccctg	aagcagtgac	acagtgcgct	ttcgagggaa	agtactctga	tttaacgaat	180
tcctttgtgtt	atcacgttca	ggcctaa				207

<210> 5231

<211> 624

<212> DNA

<213> A.fumigatus

<400> 5231

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tcagaacaga	acaaagtcgg	cgatcccttc	gatccccaga	cgttccaagg	acctcaggtt	180
tcgcagctgc	agttcgatcg	catcatgggc	tacatccaag	acggaaagca	ggcgggtgca	240
agagttgtta	ctggcggaga	acgccttggg	gacaagggat	atttcattaa	acctactatc	300
tttgcggtatg	tcaacggcga	tatgaagatt	gttcaagagg	agatcttcgg	ccctgtttgc	360
acagtgcaga	agttcaagac	cgaggaggag	gccatcaagc	ttgctaacag	caccaactat	420
ggtaagtgtta	tccagccacc	cagctgggtc	acccccgcta	atctcatgca	caggtcttgc	480
ctctgctgtc	cacaccaaga	acgtcaatac	cgcaattcgt	gtatcaaacg	ccatcaaggc	540
tgggaagcgtc	tgggtcaaca	attacaatat	gatctatccc	caggcaccat	tcgggtggcta	600
caaggaatcg	ggtcttggcc	gtga				624

<210> 5232

<211> 2082

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2040)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5232

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gcggtatattg	acgctgacgg	gcaattgacg	aaggacgaat	ttgcggtcgc	aatgtatctg	180
gttcgttcac	agcgtacagg	aaaggagccc	ttgccgcaga	cgcttcctcc	cgctttggtt	240
cctcctagta	tgcggcgctc	taccacggcg	caggcagtcg	cgccgcctcc	cccaagtgtc	300
cggctctgctg	cggatgacct	cttcgggtctt	gacgcatttt	ctgctcctcc	cgcacctgca	360
gcaccttcac	aagtacccca	gtccacagga	ggttccaaca	cgccgttcca	gacgccgggt	420
tcaccacact	ccagagcgctc	acctccagcc	aactcgacga	cttttaagcc	tttcattccg	480
acttcctcat	ttgggtcagag	tctccagcct	caaataactg	gcgcttcagc	cggtgccccg	540

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ccaccagtcc gttcaccacc gcctccatcg gatgaccttc taggtgacaa cgacctgag 600
gaatccagta aactcacaca ggaaacggcc gagctggcaa atctatccaa ccaaataggc 660
tcgcttgcca aggagatgca aaacgttcag acgaagcgca cttctgcgga gcacgagctg 720
tctcagacat ctcagcaaaa gcgtgacttt gagactcgct tagcgcaagc cagagcgatg 780
tatgaacagg aggtcaaaaa tttcaaagct cttgaggagc gactgaacgc ctctaaggcg 840
gagactaaga gggtgcaaca agaatatgcg ttgatcgagg gcagtaggca agatttgcag 900
actcaatata accaagtttc tgctgctttg accgccgacc aacaggagaa tgcgaacttg 960
aaagagaaaa ttgcgcaagc taatgctgct gtcgcccagc ttaagcctgc cctcgagaaa 1020
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aagcgcttcc ccgaagttcc agtcgtctct ggggaaacag caagagcaga cacttcggct 1740
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agttcccgcc gatccgggag ctgcgccgat atgacaatga cgacgacagc tttgatagcg 1980
aggcaccctt ggggtttcga tgaacathtt ccaccgcact ggttcccccc caagaacagn 2040
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<210> 5233

<211> 723

<212> DNA

<213> A.fumigatus

<400> 5233

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tactggtgcc cctggtgcga cgggtgggag caccgcgacc agcctttcgg gatcctgggc 180
tcctcgtcgc acgtcgtggg cagcgtgctg gaagtgtaca cgctcaacac ggacatcatc 240
gccttcgtga acggcacgca actcccaag gctgaggcca agctggcgga gaagtacccc 300
aactggaaga agcagctcga ggcgtacaac atcgtgctga acaatgagac tgtcaagtcc 360
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ttcagggtta acctcgccga tggctcctcc gtcacccgca atgccttcat tacaaacttc 480
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gccaacagcg atgggagcac caacgtgccg catgccatgt tcagcgggaa gagagctgct 660
gtctttgttc acggtatgta tctttttttt ccctacagat gtcgaacttg ggcagattac 720
taa 723

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<210> 5234

<211> 429

<212> DNA

<213> A.fumigatus

<400> 5234

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aactggctca ttttcgtcac tcgcgggggtg gagacgtggc cgtccatcca cttcgtcact 60
gccattctgg gtgtggacgt cctggccacc attttctgcc tgttcggttg gttcacgaac 120
gagacaatgc cgaccaaacc ggccgactcg ttcgtcgaaa cccgcaacgg ctggacggat 180

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attgtaaccg	tcgtccgtgt	ctggggccttc	tcgctcgggtg	tggagattgt	cattgcgctc	240
gtgtactaca	tgctcaacaa	attcaagtgg	ctcgagaacc	ttggccgagc	caagcgagac	300
aaaggcgata	tcaagatcca	gaatctgctc	ggtcatctgg	ctcggttgac	cgctcgagtac	360
gatcagcccg	gtcagcctaa	gggccgccttc	ttccttacat	ccagcaagga	agaagaggag	420
gctgagtag						429

<210> 5235

<211> 546

<212> DNA

<213> A.fumigatus

<400> 5235						60
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cagtatgatg	aggagcgagt	tattagcctg	tccgactggg	atcacgacca	aatgccaaca	240
ctcttgaagt	cattcatcag	catcagcaat	cccaccggcg	cggagcccgt	gccc aaagcg	300
gctctgatga	acgacacgca	gaacctcact	gtggcagttg	agccgggcaa	gacgtacctc	360
ttccaacttg	tcaatgtggg	tgcgtttgcc	agtcagtatt	tttggatcga	agaccacacg	420
atgaagattg	ttgaggtgga	tgggtgtctg	acccatgcgt	cggaggccaa	catgatttac	480
atcgccagcg	cacagcgcta	cagtgtgttg	gtaaccatga	agaatgagac	gagccagaat	540
tacgccatgg	tgggcagtat	ggatacggta	tttgcttcca	gtctccagga	tgatgccag	546
cgctga						

<210> 5236

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5236						60
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aatgaccagg	ctgacaagcc	aactcctgcg	ttagtctccg	catttgagcc	ttatgatgac	180
ttcaacctgg	tgccagtggg	tggcatggcg	ctgcacaagg	aagcagatta	caccgtcact	222
ctggacgtga	cgatggataa	tctgggagac	ggggccaatt	ag		

<210> 5237

<211> 309

<212> DNA

<213> A.fumigatus

<400> 5237						60
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gcgggcgacct	ttatcgaagc	gcctctggac	ctgcagaaga	cgctcaagat	ccccgaagat	240
cactaccagg	tctgcgaggc	tagcgggaac	ctcaccgcgg	ggaatgcggc	cggaaacacc	300
aacgatttgt	ttgatctgac	ggggcagaat	gtatctcccc	caccgctgcc	ggcggggcttc	309
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<210> 5238

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5238						60
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atggatggcc ctccgtcggg cactcagtc gatatcgctc ccggctatac ctttgtctac 240
aatttcaccg tcagtatagg atgcggtaga agtcctga 279

<210> 5239

<211> 462

<212> DNA

<213> A.fumigatus

<400> 5239

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tcaggatcca aggaactcgg gctgaccttc catagtgcct ttttcaatgg aatcacctat 120
gtcatgcca aggttccgac tttgtattcg gtcctgacca ctggctcagc ggccacagac 180
cctgccgtct acgggtacaa cactcaccgg attgtcctca aaagggggga tatcgtggac 240
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caggtgattg cgcgcagcga agagaacggg ggacactatg accccagcaa ccacacgaca 360
ttcccatcca tcccaatgag gagggatact gttatagtcc gcccgaggga caactttgtc 420
ctccgtttcc aggccgataa tcccgggatg tgtctagtct ag 462

<210> 5240

<211> 726

<212> DNA

<213> A.fumigatus

<400> 5240

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gtcaatatcc agacagactc gatcgtcgag acggatatcc accagcatag attatatact 180
cgtcatcacc gtgtgcgaaa ccagacctcc cgtgatgatc ttccctcata ccgctcgcaa 240
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gagggagtca gaactggctg gaggggtgac tctccttccg atcatccga ggacaagggt 660
agtcaaccgg gagggaggag gaagacgaag ggtttgaaag gggtgcgctc ggagtgggaa 720
caatga 726

<210> 5241

<211> 1182

<212> DNA

<213> A.fumigatus

<400> 5241

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atccgccagc gccggcgtga ggaactggca gaacgcgagg ctaggcgaca ggcacggcgt 480
gaggtctggg agcgtggaga ccgcgctcag ctagagctct tacggcaaca ggatcgactt 540
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aactatgcgg acgtgggcta cgttcgtcac gatggatcac gagtccgcgc aacttcaccc 720

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tcgactggta	ccgtcgatcc	aagtgccttg	actaggggtgc	actcccagac	acattctacc	900
gcctctacct	tgccatctac	cccaggtgct	gaggaggccg	atggttggtgt	tctcagcatt	960
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gaggaaagga	acgaaaatac	tgcacctctt	cgggagctaa	cagttgtgcc	taccattcat	1080
attgatgcag	cgagccctat	cagcgacaat	ttcccagcgg	ctgctcctca	tgagtccaga	1140
gagcagcacg	attcgcggtgc	ggttccttct	gtaactcgct	ag		1182

<210> 5242

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (77), (98)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5242

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ctctttttcc	gtcccgacga	attcaaaacta	acttctgata	atcaaccgca	ttatttcgcg	180
gctgatggca	ataatctgga	ctttattaat	tgcattccct	cttccatggc	cctccgttga	240

<210> 5243

<211> 543

<212> DNA

<213> A.fumigatus

<400> 5243

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ccaactacaa	tttccggtgg	tggtattttat	ggctccaagg	ttcaaaatca	gcgaggggaa	180
cctcgcgtag	agcctgcacg	ttcctctttg	acatcggtccc	acgccaccat	ctatccgata	240
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gatgatagtg	gtgaaatccg	tgccacggga	ttcaatgagc	agtgcgacct	gctctatgac	420
gtttttcatg	aaggaggcgt	gtactatata	tctagcccct	gccgggttca	gattgcaaag	480
aagcaattta	ccaatctgaa	caatgactac	gaacttacct	tcgagaaaga	tacagttggt	540
gac						543

<210> 5244

<211> 267

<212> DNA

<213> A.fumigatus

<400> 5244

aagaacagca	accaatacgg	tggttatgtc	ttcccctgct	ccaccaaact	tccttctttc	60
actaccgtca	tcggaggcta	caatgccgtc	gttcccgggtg	aatacatcaa	ctacgcccc	120
gtcactgacg	gcagctctac	ctgctacggc	ggcatccaga	gcaactctgg	tttgggcttt	180
tctatcttcg	gagatatctt	cctcaagagc	cagtacgtcg	tcttcgactc	ccaaggcccc	240
agactcggct	tcgcccctca	ggcatag				267

<210> 5245

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5245

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cttcttcacg tgacacgttg tgccaatctg accagagaaa tggtagaaaa agtgcttcaa 60
tacgacaacc agtcgtccac ggattactcg acaccgctcg ttgactcact ctccgaggat 120
gggcgcgaga tcgagcccaa actgcgtcgc aagctggata tacgaatcat gcctgtcatt 180
attctgatgt atctcctcaa cttcattgac cggtaa 216

```

<210> 5246

<211> 351

<212> DNA

<213> A.fumigatus

<400> 5246

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tcgcatccgc agagctatgg acgattcaag ctgacactag ctaggtcgaa ctataccgct 60
gctcgtctcc aggtgtctaga gagtgatctc catctctccg gctcgggaata ccaggtcggg 120
ctctcgggtat tcttcgtggg atatgtctc gggccaattc catcgaacct tcttctgaat 180
tatctcggcc gtccgtcggc ttatatcggg ctctttgggt cgcctgggg attagtgcg 240
ctcttaacct cgcaggtgaa aggcctatgga tcccttgctg cttgcagatt tattctgggt 300
gtagttggta agcctagagt ttttctactg ggagattggg gcctggactg a 351

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<210> 5247

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5247

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cctacgcaga aatgggtacac gcagagagaa ctaggtgtgc gaatgaccat attcttttca 60
gccgcgcata ttgccaatgc ctttggggagc ttgattgctg ccggcatcct gaacggcctt 120
gacggtaacc ggggcttata cgctgggca tggctatata tcatcgaggg agctagtaag 180
tacacttgct ctgatgaccg aagcacactc actaaccacg gtgagtctcc gtcttctcgc 240
gcttcategc ctggtaccta ctgccagact ttccagagaa ctggcgtgca ctatccccgc 300
agatga 306

```

<210> 5248

<211> 183

<212> DNA

<213> A.fumigatus

<400> 5248

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atctccctgg ggaagggatt taaaatcatg cgtaagacaa cacatagctg ttacctcatt 60
atactacctt ttattgttca ggtcactggc gctgtaaatc tctatagtgc tatgaataac 120
ctctctgata gtatcattag gcagccacgg ctctctgagca caatatgcta tctgttgtgt 180
taa 183

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<210> 5249

<211> 198

<212> DNA

<213> A.fumigatus

<400> 5249

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caggtcttta cccacaccgc agtgacgcca ttagatttag tcaaagccg ccgacaagtt 60
gattcgagct tgtacaagag caacatggag gcgttcgcgc tgattcgcaa tgcagaaggc 120
ataagaggcg tggtcactgg ttggagtcgc acatttttcg gatacagcgt aagccgatgg 180
tttatggcgc ggttttga 198

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<210> 5250
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 5250
 tcgcaacata gtctctacaa aggcttgtat ccactctggg gtcggcaaat cccatacacc 60
 atgatgaagt tcgcgtcttt tgaaaccatt gtggaagcca tctacaagaa actgccccgg 120
 aagaaggaag agtacggcaa gggcgcgag actgcagtcg cctttactgg tggttacttg 180
 gccggtatcc ttgcgccgt cgtgtctcat cccgctgatg ttatggtgag taagctgaat 240
 gctaaccgac tgcctggcga ggcatttggg gccgcaattg gccgtatcta caaggacatt 300
 ggcttcatgg gtctttggaa cggctctccct gtcagaatcg ttatgatcgg aactcttgta 360
 ggtcctcctt ttgcacgtgt ttgcgggtcat gagctaacaa cttctgtac agactggatt 420
 gcaatggatg atgtgagttt ctcccttcaa gtgtga 456

<210> 5251
 <211> 348
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (16)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5251
 tcaattccaa attggncaac catgttccct tttagacagtg tgatcctcga ggccttcaac 60
 gcccagaacc ttttgaaccg tcctaaagag cccaagcaag cgggatctgc ggctttgatc 120
 agacgggagc ctttcccggc gtggagcgtg attgatgagt ctaagaggaa agccgatgcc 180
 tttagctaaag aggcgggtcg agaattcgat gtcgtcagtc aaaaggctca agccaaaaca 240
 ggcaagattg agccatggac cccaagtac tatgcagctt gcaccgtcgg aggtctgctg 300
 gcttgtgtag gtctcaggag tgatattgtc tatttgatct atatttaa 348

<210> 5252
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 5252
 cagggggcaa aggctcaagg agcattcaaa tatggcgggtt acgaattttt caagaagttc 60
 tattctgata tcgtgggacc ggagcgtgcc cataaatgga agacctccgt gtatctggct 120
 gccagtgcgt cggcgggaatt catcgtgat gtcgcctat gccattcga agctgtcaag 180
 gtgcgcacgc agacaactat tcctcctgag ttcaagggga ctttctctgg aatttcccag 240
 gtcacggca aggaaggagt tgctgggtaa 270

<210> 5253
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 5253
 ttattcatcg tcggcacatg cggctgcttc ggctccgatg agacgttggc ttgtttcgtg 60
 gccgggaacg cactgaactg ggaagggtg tatcacgcc agttgcaggc ccggcatgac 120
 gccttcaact cgaccctgga aacactgttg aatttcggga tctgcatgta cttgggcgcg 180
 gtgatgccat gggatcaatt tcatatgccg gacacaactg gaatcaccgt ctggcggctg 240

atcgtattgg gattcctcat cctgcttttt cgccgtatgc cagcgatctt gctcgggtac	300
cggtttatgc cgaagggtgtg ccgtaactgg agggaagcct tgtttatggg atacttcgga	360
ccaatcgggtg agtcttaa	378

<210> 5254
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 5254	
tgttgcagta cgtttccctt tttggacaac cacggaatga agcttatcgt ccgcagcatg	60
caataccatc agatagtcac cttaactcac agaccatggg tctcgaaaaa ctatatccaa	120
ccacgcagcc cgcgccaggg tcctggctac caccatgcgc gccgaatgtg catcgagtca	180
tcgacagcca tcgcgcgaat cctccacata tacgaaaagc attatacctt ccgccggatg	240
aacaatcagg ttgtcgcgat catcttcagc gccgctctga tgctcccta catgaacctt	300
ctcgaacaca ttcttcaccc tgctaagaat cgctgcgaaa aattccctac tgcaaccgct	360
ggaaatgggt ggcgttcctt gaaactccgg cttctgcccc tctgggaata a	411

<210> 5255
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 5255	
caaaatcata ggtgtgccgt tggcagtgcg ttccaagcac ggtaccaccc tactttttatc	60
acgtttccca agtcgcttcc cgaatttttc gcggatcgag ccaaggctct tctggaaatc	120
gaactagata ctccatgtgt tgccacagtg caggcgctgg tcatttttgag ctgtcatgag	180
ggggcatcaa atcgtgatgc acgtggttgg ctttatagtg gtatgtgggg aaccaagcaa	240
atggacggcc ggagctga	258

<210> 5256
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 5256	
aacgtcacct tgaacgagat cgccaccacc acctacggcg agaatgttta cattgttggg	60
tccatctccg agtcgggaa ctgggatacc agcaaagcag tggccctgag tgcggtccaag	120
tatacctcca gcaataacct ctggtacgtg tccgtcacc tgccggctgg cagcacattc	180
gagtacaagt atatccgcaa ggaaagcgat ggctcgatcg tgtgggagag tgaccccaac	240
cgctcgata cggtgccggc agcttgtgga gtgtctactg cgaccgagaa tgatacttgg	300
cggatga	306

<210> 5257
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 5257	
agtaagggtgt ggccgctcgag atgcggggga ggcactact gggactacac gcatacatatc	60
gtcaacgcga ttgcaaacga gctgtttctc tcgctcgag cacacctggc gaatcgcgct	120
tcggacaagg agtattatgt tgactgggct ccaacgcgag tgggactggg tccaaggcag	180
cgggatgatc aacgcgaacc acaccatcaa cgacgggctg acagaaagct gcgagaataa	240

<210> 5258
 <211> 459

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (414)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5258

ccagatagtt	ggacttataa	tcaaggagtc	atccttggcg	gactagccga	gttataaccgc	60
gcctgtccta	acgcaacatt	cctggagtc	gcaggggaga	ttgctagagc	ggctattgcg	120
gcgctgagtg	actcggatgg	ggtgatgcac	gagccctgcg	agcctagcag	ctgtacaggc	180
gatatgacgc	agttcaaggg	catcttcac	cgcaacctgc	gcttgctgca	cagcgtggcc	240
ccagacgagg	agtactcgcg	ggtgattaca	gcgtcagcgg	atagtatctg	ggtgaatgat	300
cgcgatgcga	acaatcagat	gggggtcaat	tgggctggtc	ctattgagcg	ggtggatgct	360
tcctctcata	attcggtac	ggatgcgttg	gttgctgcc	ttggattgtc	gtancccgtc	420
tgggtggagac	catgggagag	acagagatgc	tttgaataa			459

<210> 5259

<211> 960

<212> DNA

<213> *A.fumigatus*

<400> 5259

ccctacgtgg	tttgtccatt	attctcgcag	ctttctgtca	gcccgtcggt	gatgggtgtg	60
ttcgcgttga	tcaccccgct	gccttggaa	cagtcaccact	cgcggtggag	cccagtcac	120
ataatactcc	ttgtccgaag	cgcgattcgc	caggtgtgct	gcgagcgaga	gaaacagctc	180
gttttgaatc	gcgttgacgt	atgtatgcgt	gtagtcccag	tagatgcctc	ccccgcatct	240
cgacggccac	accttactct	aaaccctgtc	attaaatggc	attccacaga	ccatcgagca	300
acccaccaat	tcgtcgaaca	ctccctccgc	aagatcaaga	tactccggtc	tgccagtgc	360
atcgaacgcc	gcgatccacg	ccaacgcccc	ccaggcatcg	tcgtcgtacg	cgccatccag	420
ccactgcgaa	acatcaaccc	ctgcgcgcgc	ccgactcacc	ggctgcgggc	gatgatgctt	480
aatcaccccg	ttgtacgtgt	cattcccccg	tcccggcgcg	gggttcgata	tcggggccac	540
cgaaaacgta	ttctcaaaga	ccccgaccgc	aacctcgcg	accgcgtcgt	ccacgtccgc	600
caggtccgca	acaacggtca	tacagctggc	ccggtccac	cagccgcagg	tattccagat	660
gocgctggtg	gtgttgtacc	aggtctgcag	cgcttcgagg	gocgtttccg	cgcggtgctgt	720
cggcgttata	gccgcgaccg	agggcgcgag	gattggaaag	acgaatccgg	cgcgcatttt	780
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtcatcggtg	atttgcaggg	gagagcttcg	840
tccttttaagt	atactactcg	aatgcagat	gatgtgtcac	tgcgcaaaaa	ggggtcggaa	900
tgcaccacgg	atacatgcc	gggatgggga	cattcttttc	tggaaagata	tgtgccatga	960

<210> 5260

<211> 231

<212> DNA

<213> *A.fumigatus*

<400> 5260

ggtgcgcccc	ggaacgcggg	tccttccagt	cccggcggtga	atagtgtgag	ccatgattct	60
actgggctgt	cggaaggagc	acagcgttgt	gtcccgcgcg	gcatctgggc	ctcggaacgt	120
ggagtcacct	accatctttt	ccgaggcgct	ggacacagcg	tggtcatcaa	gaagccccgg	180
gagatgttcg	cctatgtgag	ggatgttgtc	gttgcgcagg	caagtggctg	a	231

<210> 5261

<211> 189

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (115)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5261

aatatcttct	caaaaatgcg	tctctctca	atctcgcca	agccagtcag	tgggttgatt	60
cgggttacta	ctgacgtcgg	tatggggggg	aatgtttccc	ctgaacgggg	tgtcncaagt	120
gatgagggtg	cggatgagtt	aattagggtg	gatttgctgc	ttgaccgggt	ccgcgttccc	180
cagctatag						189

<210> 5262

<211> 249

<212> DNA

<213> A.fumigatus

<400> 5262

tctctcgttc	gatgggtcta	cctcggcgga	cccatcattt	tcattctgtcg	tgacttcagc	60
ccctatgccc	caggagaatc	aaaatatgta	cagccacatt	cccgtcactc	ctcaaaagta	120
tatgaacttg	tccgcctatg	cgactcctcc	cgttcaacat	acatcacgat	caccatcttt	180
gtctccaaga	ggccgcggct	cgccaacaca	aggatcaccc	ttgcgcaacg	aagccagcac	240
aaagactag						249

<210> 5263

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5263

cttacaaaaa	ggtgcttaga	tcaccacggg	cttttggata	cacacatacc	taatcatcga	60
atgcagtata	ctaattgtcc	tcaagattct	cctactttga	tcttgaagat	tatgactagc	120
tgctcggttt	acctaaggat	cacttgetca	gcctatgaac	agcttccatt	cacacatgct	180
accggtgtga	agattcccgt	cagggttctg	cctgtcagat	gtgcgactgg	ccttgtccct	240
ggctctcttc	aagaggatgt	tgccttcgat	acaatcatat	ag		282

<210> 5264

<211> 708

<212> DNA

<213> A.fumigatus

<400> 5264

agacaagcgt	ggtggccatc	catgccctct	cgagtaccgc	gacaaccttc	ataccagcac	60
gtggtgtcct	ctccggcccc	acaaaggtca	attcaaagta	acaaccagca	tgatctaattg	120
caggggggat	tgatgatcca	atttgattcc	tcgttcgatg	ggtctacctc	ggcggaccca	180
tcattttcat	ctgtcgtgac	ttcagcccct	atgccccagg	agaatcaaaa	tatgtacagc	240
cacattcccc	tcactcctca	aaagtatatg	aacttgtccg	cctatgcgac	tcctcccgtt	300
caacatacat	cacgatcacc	atctttgtct	ccaagaggcc	gcggctcgcc	aacacaagga	360
tcacccttgc	gcaacgaagc	cagcacaaaag	actagccctc	accgccgcgg	ctaccacggc	420
aggaagtgtg	cttctcagtc	aatgaacaca	cctaagcccg	tcaaagggcc	aaactcgtcg	480
agtcccggat	cgggatccaa	caagtcgctg	acagtgtcgt	ttgtcaattt	cactccaaac	540
gacagcaaga	aaattctcac	tggagtcgct	ccgagtggga	gttccaagac	taaagcaaga	600
cgcgagcaag	aggcccgcga	tcgacgccgc	aagctcagcg	aggctgccat	caatgcagta	660
cggaaagctg	gtggagatgt	ggaagcactg	gaggctgtcc	tctgctaa		708

<210> 5265

<211> 471
 <212> DNA
 <213> A.fumigatus

<400> 5265
 ggaccttcca gccccgtggt gaagactcta ggtaagctaa cggaagatt tacagcccag 60
 tggcaccaat ggcttcgata cgtccgtgcc gacctccct cgcttgaaga acagcagcag 120
 gatgtcatcc ggcaaatcca gatcaagaaa ctgcccgaat tagccgatat gcggtgggca 180
 agcaagccct cctacctga caagccgcag acacagcagc cggggcccg caccagaacg 240
 agcgatgcga ctttgcaccc accgatggga gcggtcggcg aggggcccaa gtcgcataac 300
 gcgatttctg gcgctgaggg tacaaaaaca acaggaacga cgacgtcagc accaacacca 360
 acccctgatg tgacatcgag ggcgaaagag gatccgtggg ctaaagcacg aacgagtgat 420
 ggcgagaact ggcagcccga gtccctggaca ccgtcttctt cgcgagatg a 471

<210> 5266
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 5266
 agaccagaag cgcaaatcaa ggagttgcaa aacctcctcg ccaaaacgaa attctcatct 60
 actatgtggt cgcgcaaagg attcaaaact cggactgaca gctctgtccg ctccggcgctc 120
 gacctcctct gcctcgacgg tgtggacatc gacaccttga tccccacat cgaatcgcca 180
 tcgggcatgg cttatacacc ctccctcattc gaccccataa tccgaaccgg ggtcagcatc 240
 gaaggccgct acgccccctta tgtcaagcgg caagaggcaa tggcgaggaa gttcctgcag 300
 gatgaaagcc tcctcctacc tccggttttg gactactcaa aggtgcaggg catcagtacc 360
 gaggaagac aggtctctga gcgcgtccgc ccggttagtg tgggaatggc gaggcgcac 420
 gaaggagtca cgccggcggg tgctctgcgg ttgctgatgc atgtccgccg ggccatggac 480
 gcgagcaaag aatcatcact cgacgcagac gcgcttgagg gctctgcgga gagcgtgtta 540
 cgtggatctg tttga 555

<210> 5267
 <211> 1062
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (12), (13), (38)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5267
 tttttcacat tnngcgacgg cgctgccatg aggaaaanac cggcgaaatgc ccgactggcc 60
 gctgaaatca gtgagaatgt gatgggtggtg gacgagtcct ttgttccccct ctgggagttc 120
 gcaccgctga atcctggaac gcaaccggag aatgcgctgt actgcgtctt cacttcgggc 180
 tcgaccggca agccccagggt gttcttgatg gatcaccgag cggtctgcac ctgtgcactc 240
 ggcgtcggag aattactcgg attgaatgga gcctcccggc ttattcagtt ctctgcgaac 300
 tcggttgatc ttgcgacggt cgatcatatt ctccggttcc tgtgcggtgc atgcctctgc 360
 atcccatccg aggaagagag gaaaggcgac cttactcgcg cattcaacag ataccgtgct 420
 acccatgccg tactcacgcc cacgggtgagt cgtctcctgg agcccgaata gctcaccacc 480
 ttgcaggtat tgctgctagc aggtgaggcg cccagcaggg aagatatccg gcggtgggccc 540
 tccactgtcg ggctgctcaa cggttacagc cctgcagaag ctggatgcat cactattgtc 600
 aaccgcctct tgcagagagag tcatccgagc aagatcggat tccccgtcag cgtgggtaccc 660
 tgggtagtgg acccagacga ctgcaatcga ctagtgcggc ctggagaggt aggagagctg 720
 gtactgcagg gacatacgtt ggcgcgagga tactttggac gcccggaaca aagtaaagcg 780
 gccttcatcc cgacgcctgc atgggtacgc caatttggtt acgagaccta tggacgtctg 840

tacaggacgg	gagacctggt	tcgattcgat	gccgaggacg	agtcacctggt	ctacatcgcc	900
cgcaaggatt	cccaggtgaa	gatccgcggt	cagcgactgg	aactgggtga	ggttgagcat	960
gcgttgacgc	aattctttcc	ccggccccag	atagtcgtgg	tcgagttatt	gacggccgag	1020
ggtggccacc	acggggccaaa	ggatccgcc	agcgtaccgc	cc		1062

<210> 5268

<211> 624

<212> DNA

<213> A.fumigatus

<400> 5268

ctcaacggct	gggacattga	cgttctccaa	gacgccatca	acacgtgcc	cgacggcggc	60
ggcgacatca	ccaagtgcga	gcccatacc	ttgcagccag	actgggtgac	agacggctgc	120
attcttgagc	gctcgatcaa	cgagcgcac	gacgggtggc	tcgatgagct	ccccggatgc	180
aaccccatcc	agcccggggc	cgacgacgcc	aggcccgtga	ccggctgcgg	cgacccaact	240
accatcggcg	agcccctgca	ctactacacc	gatctcaccg	gcagccacgg	gtgggagtgg	300
gtgggctgca	ctcgggataa	cgtcggcggg	catcgggtcc	tagtcgggtc	gacggcagag	360
atctcggatc	taacgccggc	ccagtgcgtg	gagaaatgca	gtgccgaagg	ctaccagtat	420
gctggcgtgg	agaacgcaca	cgagtgtttc	tgtggcaata	gtgtggacca	ggacgatatg	480
ccgagggtta	cgcccatggg	caattgtctg	tggccgtgtg	cgggcgacag	cctgcagaac	540
tgcggaggat	atgggtttat	cggtctgtat	cgcagacgcc	agggtggatg	caagaatctg	600
gagtatccca	ttgtcccgc	cttag				624

<210> 5269

<211> 411

<212> DNA

<213> A.fumigatus

<400> 5269

atcaacacaa	tgttaccac	gtggttactg	tcacaaacga	aggagaccgc	agctagtcca	60
ctcattctcc	agattcccca	gaccgaatct	ctcaccggac	gttatttcat	ccagtgcgat	120
aacatccctg	acgggaacga	ctcgcaggaa	tggctctgtc	cgtgccgcct	gtccttcctt	180
caggcaacgc	ccgacgcctc	tgacgatgtg	gcagagagta	ctggtgctcg	gaaggagagg	240
attccgagcc	gtgagatgtt	caatcttgcg	ctgggcccag	atgtctttgc	ggggtttggc	300
agaactgggg	caaacatggc	cgccaactcc	cccaactccc	cacagcttgt	cctcgtaaac	360
cgcgagatgt	cgtgcgaaat	cttcaccacg	gggctggaag	gaaacgcact	c	411

<210> 5270

<211> 729

<212> DNA

<213> A.fumigatus

<400> 5270

gcacatagtt	gtcaccgggg	attacctagt	caatcactga	catctcacct	cgctcattcc	60
ttttccattg	cacatttaat	ccatatggct	accaagatgg	gcatggggcca	cactgtcaaa	120
tgcgcctttc	gcctgacgtc	cctgctcaag	aaagcagagc	gctcattcca	tcaaaagggg	180
aaagcagtcg	atcacagcca	tcccgtgtga	ccctccctca	ctttaccoga	catcgattgc	240
tcggatcacg	gactcaggcc	gctctgcaaa	gagatgggaa	tggacgccta	caacaaggat	300
actttctccg	acagcgacag	cgacagcgac	acgaacaccg	acaccgacac	cgacacttca	360
agcgttttca	tccctgatct	ggcgggtgag	gcgaaaccgg	tagacgcaga	cgacagcgca	420
gacgcagtcg	caggtagcag	cagtaacctc	ccccataacg	gtaaccggaa	acgcctcgtc	480
cgcacgtgta	gcttcaagag	catcgcgcac	aaccgctcgc	ggtggctcctc	gtcgcaggag	540
cgcgaaactg	caatcgcgca	gcacgagctg	gcgcgggtgtc	agaaggcgtg	gagttcggag	600
caggagctgt	ggttgggaata	tgtgggttac	caattgacgt	ctgatactgt	cgtaaacagc	660
catcttccct	tttttttctt	tttgtttact	tcttggccaa	caagctcaag	gcatgggtgca	720
gatgactaa						729

<210> 5271
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 5271	
tatacgttta ggcgtcgact ttcggcccg c gtggtgagac cagccacagt tgttgaagag	60
gatcacagag gccatgagca ggaacgtgct ggtccccagc agcaccgat gccatgtatc	120
gccaaacaca taccggcagc tctccgtgcc cccgtacagc tcccgcgtga tctcctcgtc	180
gcaccggacc acaacaaacg ccccgtaggc cgtcgcgatc acgatatcac ccggcggaac	240
cttggcgtcg gtcggccggt gtga	264

<210> 5272
 <211> 1467
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1381)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5272	
ggcccttccg gatccctact atgccaagtg ggagtggata gcttccaacc tacagtctct	60
actacacagt gggaggattc gggacgtcgt caactgtcta cctatacttc agaccagata	120
cctacattcc gaagacgagt ggcgaagggc ttatgtcgta ttgacctca tgcttcacgg	180
ttacgtctgg ggcggcaaga caccagaaga ggtaggcttt cttctaacaa gcgagtcctg	240
caggtgcaca tgctgacact gatggttgat tcccagagga ttccacctca gcttactatt	300
ccccttcttg aggtctgcga ccatctagag ctccctccgg tggccacata tgccgcagtc	360
tgttttgtgga actacaagcc tatcttccca gatgaacccc catacgacct ggataacctc	420
gcctgcatca ataccctcac tgggtcatta gatgaacgat ggttctatct cgtttcgggtg	480
ggcattgagg cccgcggagc acctgccatt cccttgggtc tacaagctat ttccgcagcg	540
eggactggaa atagcagagt gggttacagag tgctgcaaa gtattgccga gattctggac	600
cagatcgggtg tgcttctgga gcggatgtat gagcactgtg atccctacgt gttctaccac	660
cgaatccggc catatcttgc cggaagcaag aacatggctg atgctgggtt gcccacgggt	720
ctggtgtacg atgatggaag cgaggaacct gagtatcgcc aatatggagg tggcagcaac	780
gctcagagtt cacttattca attcttcgat attgccttg gcacgcaaca ccggcccacc	840
ggtgagactc gtcccgcag cactccgtcc gaggatgaga aagaaggcgt tacgggagca	900
ccgcggcagc ggttcattca ggagatgcga acctacatgc ccggccctca tcggcgtttc	960
ctggaacacg tcagcgctgt agctaataac cgggagtagc ttgaaccgcg acgctcggac	1020
aaagccctct gcctcgcta cgatgcctgt ctgcctatgc tgcgggccat gcgagacaaa	1080
cacatccaga tgggtgtccc atacatcatc atccccgcgc gagatgcacg aaaccgtaca	1140
cccagacagt ccaatgccag gaggccatcg ataacaatga atctggccaa tgttcggcct	1200
ggccgcaaga aactgcgtgg cacgggaggc acagcactga tccccgtcct gaagcatgcc	1260
ctccatgaaa ctggggagcc cgtattgac ctttgggccc gaccaatgct cgtcaatggt	1320
cctgcggagc ctacttccc ggcgctgagc ctttgggcca gcacccgga cggccccctg	1380
naattggctg ggctgtccc ggaactgcac cggttcatga tactgacgga aggtactgcc	1440
aattggtacc ccgattcagg gttttga	1467

<210> 5273
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 5273

atcctgccta	caatgcttcc	tcctatcccc	gctctcgcg	actacggcgt	ctccccagat	60
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tgggagtgg	tagcttccaa	cctacagtct	ctactacaca	gtgggaggat	tcgggacgtc	180
gtcaactgtc	tacctatact	tcagaccaga	tacctacatt	ccgaagacga	gtggcgaagg	240
gcttatgtcg	tattgacctt	catgcttcac	ggttacgtct	ggggcggcaa	gacaccagaa	300
gaggtaggct	ttcttctaac	aagcaggtcc	tgcaggtgca	catgctga		348

<210> 5274

<211> 264

<212> DNA

<213> A.fumigatus

<400> 5274

tggcgcggct	ccttccagcc	ccgtgggtgaa	gacccacag	acgtaaggtc	tggttatgac	60
ggatctctct	gggcagaatc	ctccgtggta	attgggtgagc	ccctgctaga	gctcagttct	120
gaactgactg	ctaattcggt	ctttgggtact	gtgcagtcgg	tagtcgatgc	aggaagccgg	180
aaatcgatc	ctcttcccc	cggcggcaaa	tgtccccac	ggggagaatt	cctcttattc	240
attctccagc	agagtacaga	gtaa				264

<210> 5275

<211> 417

<212> DNA

<213> A.fumigatus

<400> 5275

ggcgaagg	tccaagcgt	aggcgtatgc	tgtgacaaag	tgatcgtagt	tcaacggcta	60
cctgcgtccc	ccaatcccat	cataccgggc	cgcaatggcc	ctcaaccacc	gggtcgggtcc	120
agcctttcca	ccaggccctt	tcctccatct	tctttgcccc	gccagggtc	gcatccaggc	180
ccagctcctg	ggccaatccc	gtcgagtttc	acccgcacca	catggagcag	gtccaaatcg	240
cgagcgaaat	cacataagat	gatctcaaac	ccagcctcca	tacgaatcac	cccgtcaatc	300
cgatcctccc	attcctccct	cgccatccgg	caaatcgctc	ccgcgcgcgc	cttttcgtcg	360
cgcacaggt	ccccgtttcc	gtcatccagc	gcatcccgca	gcaaaatgcg	atcctga	417

<210> 5276

<211> 441

<212> DNA

<213> A.fumigatus

<400> 5276

agacaaaagg	acaaggagcc	cgaacttgg	ggctggctgc	atacgtacgt	ggctgccaa	60
gacttgcgac	ttgtgtatat	cgacggaatg	tccgctgcc	agtcctcgaa	cgggacgctg	120
gactctcagg	atcgcatttt	gctgcgggat	gcgctggatg	acggaaacgg	ggacctgatg	180
cgcgacgaaa	agcggcgcg	ggagacgatt	tgccggatgg	cgagggagga	atgggaggat	240
cggattgacg	gggtgattcg	tatggaggct	gggtttgaga	tcattcttatg	tgatttcgct	300
cgcgatttgg	acctgctcca	tgtgggtcgg	gtgaaactcg	acgggatttg	cccaggagct	360
gggcctggat	gcgagcctgg	gcggggcaaa	gaagatggag	gaaagggcct	ggtggaaaagg	420
ctggaccgac	ccggtggttg	a				441

<210> 5277

<211> 963

<212> DNA

<213> A.fumigatus

<400> 5277

gcgctcgta	tcctgtccgg	ggatacctcg	atcgccgtat	gttttctcat	tagtcctctt	60
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cctatcggag aggaattcct cttcaacgaa ggggggtttct acgacagttc ctttgcgctt 180
ccaaactggg ctggcaagaa gtacgcgaca gatgcctact gggagcacgc ggggcatttc 240
aaggctacga atttctacca agacctgttt gaccgaggac tgggtggactg cacttatgga 300
cccccttga cctcgttccc gttctatgag acagtggccc ccatggtgga ggctatcgag 360
gagtttacgc gagcattcgt ggaagcgtat taccagaca agacattaat ggacgtagac 420
aatgaattac aggattggat catcgaggcc actgaagctg ccaaggttat cgatttcgtg 480
ccggctccga tgcgagagcc cgagcaactg atctctgtgc tctcacacat ggcttttctc 540
gcaggatttg ctcatcatgc cctcaatggc gcgacggctg gcgaggcctc aggggtcctc 600
cctctccacc cttcctcctt caaccggccc ctccctgaag ccaagggaag tatcgattcc 660
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tttaaccgac cattgctgga tgaacaggag ggaagcctgc cctatatgtt ttcaggatcc 780
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atgtgggcga ttagcgacga gatccggatg aggcagtttg acgagagggg tctgtcgcag 900
gggatgccgt tcctctggcg atcgattgat cctcgaaaaa tcccatacta cttgtgtgtg 960
tag

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<210> 5278

<211> 621

<212> DNA

<213> A.fumigatus

<400> 5278

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ctgaacaagg cgggaggtat acaatctctc tccagctacg cagtcattcta cgagaaccaa 60
tggggcacca cttgcccga cgggggttgcc tccgggatgc tgacaaactg gaccaggac 120
ctgctgttct ccatggaacg gctttcaatc aatccctatg tggttcgacg tcttcacca 180
cgcaaggacc ggcttcctct tgcggttgat gacagagtcg tgcagcacct ggccggcggga 240
agtacccttg aggccttcca ccgtgacggg cgaactctct ttgccaatca ttcgtaccag 300
gcgccgtatc caaaaactcc tggacgttgg accgcggcct gcaactgcta cttcttcac 360
catccccgct ccggcgccct tctccctctg gccatcaaga ctaacatggg gagcgacctc 420
acatatacc cgaatggacga gaccaatgac tggctgtttg cgaagatggc ttttgagatg 480
aacgatctgt tccactcgca attataccac ctggcaata ccatgatgt ggcagaacct 540
gtccaccagg cggccttgcg gaccatgagc gctcgtcatc ctgtccgggg atacctcgat 600
cgccgtatgt tttctcatta g
621

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<210> 5279

<211> 1782

<212> DNA

<213> A.fumigatus

<400> 5279

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tccggccaag ggcgcgcac gattgaattt ggacgaagtt gtgctcctgg gtttcogatt 60
aggcagttga atgtagccaa cgttcattgt ttccagaaaa ggaacgggcc gatggaactt 120
gagcccggtg gagggattcg agtaaaattg ggggccaccc cagccgagaa attggattca 180
ggggagccgg gggcgcaagc cggcggaggg ccgttggcag ttacgacagt caaagtaccg 240
ctcaaggatg ccgaagatca tgcgggacag tcaccgaaaa ggccgagagg cgacccaagg 300
aaatcggaca tacgggaaca ggatgctacg cctacagcag gcagtccagg acacacaccc 360
ggcccagcag gtgcaagtgg acagaagaga aaacgaggtc gaccaaggaa acagtctctc 420
aatccggata cggtaggcgg cgataagcaa gtggctgatt cggcggatta tcaagacaca 480
cggcccgttg agcctgaaat ggaggccgaa caacgatgga gtccgttgaa ccttgctggg 540
gacgtagact cggacgacga cgctttgccc gagggtttca tgcctgccga caattttcca 600
gaagacaaca acatggggca acccgatgca gccgcttggg atcggagctc cccccgaata 660
cataatgagc gtacgtatga cacaccagat gtgactgcag tggatcagat atacggacaa 720
aaccatgatg aagaaccgca gtcgaccccc tcaaaaatgc cgtcgccctc tcgggaaagc 780
caaggattct ccccagaaaa tacattacat gctggtcata caccagacc gccgcgctca 840
taccacagtc caacctctc ctctctgggt gacgatgaca gagcggtgca agttgcttct 900
agggcacacc ccgaaggatc tggtcaggaa cagaatacga ctctctctac aaatgaccca 960

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acagacgaac	atagggagtt	tgattctatc	atggaaagcg	aaggcttttag	catggtttca	1020
ttggatacac	taccctctgt	caaacaacac	gggctgagca	tcaactcgca	gagtggcaat	1080
ggtgctctga	agcccttcct	ctcccagag	aagatggcga	atccggagaa	atcgaagcgc	1140
aaggtgtcaa	gcctaaacct	gaatcccagg	aagcattccc	cagatgtaga	ggtgggaaaa	1200
gaatcgagat	tccaggcaat	tgagcctcaa	gcattgcccg	tgtccgccga	gaaaagacag	1260
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acggagattg	aacgggcaag	acaaacggca	tcagtagaaa	caagggtgac	gggtaatgcc	1620
agaggcgcaa	ccacaactcc	tcaacagata	cacagcgga	ctgctgtgaa	ggacactccg	1680
agcacagaaa	tgaaacgacg	actggaggaa	tggcagcggg	agaggggaagc	ccggagccccg	1740
ggagatccag	atggcgcaatg	ccagtcgaagt	cattgtgatt	ga		1782

<210> 5280

<211> 639

<212> DNA

<213> A.fumigatus

<400> 5280

aaggacaagg	ccgattacct	gtacctgcta	ctccttgccc	gggcgatcgc	catggccgcc	60
acgcaggata	tgcattccgct	cgatctccca	gaggtgaaat	acatctgggg	tgacttccac	120
gacctcgaca	tcaacaaccc	ttcaaactcg	gacgacccca	ccgccaccct	ccccttttcc	180
tttcagctca	acatcctcca	gccgatgogc	atcctcgagg	aaatggaact	ggacccgtac	240
gccaacctcg	cccgtacga	tacctgggtg	ctcaacacgc	tgtatgcaa	attccggggc	300
acagcgtcag	gccgcctctc	cacctgggac	ggcggggccag	agctctgcgc	cgtgcacccg	360
ctctggtgtc	tagcgaacca	ctcgtgtgac	cccaacgtgc	gctgggaatg	ggcgccgcag	420
attacgttcc	ggcgccggac	ggaggccgag	cgagcgggtg	ggaaggggga	gggagcgcct	480
gtgcgacgga	gcggcgagg	gatcaaggcc	gatgaagaga	tcctgaacca	ctactgtgat	540
attgggcttg	atgtgaagga	gcggaggggag	tgggctaggg	gcgcgcttgg	ggggttgtgt	600
cagtgtgaga	ggtgtgtgtg	ggaggctgct	acagcgtag			639

<210> 5281

<211> 633

<212> DNA

<213> A.fumigatus

<400> 5281

agccgcggcc	ggcgtcgttc	tattagccgt	ggaaggctctt	actcaagatc	agtgtctgga	60
tcttctcgag	gaagaagtta	taccccaagc	tacagtcgat	cgagatctcc	agttccaaag	120
tctcgtcggc	gctcagtgtc	ctatagtcgc	tcacgctcgc	cagctggccg	aagaaggctc	180
tcagtctctc	gtacgccacc	tagacgtgtc	cgtggcaa	cttacgactc	tcgctctcct	240
tcgcgatccg	tcacgccgcc	aagaaggcga	acctcttaca	gccggagaga	tcgatcttac	300
tccaggtcac	tgtcacgctc	tgttacccca	ccactccgag	ctgtggatgc	aaggggcgcgt	360
ggtagacgct	actcttcgca	gtctctttct	cctcctcgtc	ggcgtgccga	aagaagtgtg	420
tccccctcaac	gtcctcctcc	tggtcgccgt	ccccgtgggt	attctttgtc	gcgatcccc	480
agtccccctc	cgcggtatgc	acgtgaacag	aggcgcagag	ggaattcgag	ctctgcttcg	540
gcattctcgt	cgctccaca	tcgcgactcc	aacaggcgcc	ggtctttatc	taggactccg	600
cctcgtcggg	gccgcgcctc	cgactatttg	taa			633

<210> 5282

<211> 825

<212> DNA

<213> A.fumigatus

<400> 5282
 attgaaactg acctccgtcg gcccttccag ccccggtggtg aagactacga cgagttcctg 60
 cagggcgtgc cccgccggga gacggaggcc atcgccgcca ccatcaccgc gcacgcgaac 120
 cgcgtccgcc cgcacgcgtc ctacgaaggc cgcggcgctc agtgcacat cgtcggcggc 180
 taccgccgcg gcaaggagct cagcggcgac gtggacctcg tcctctcgca ccgcgacgag 240
 tccgtcacca agaacctggt tgtggatctt gtggccagtc tggaagcaga gggttggatc 300
 acgcataccc tcgccctgca catgactacc tcgaaccgcg aacagcagcc tctacctttc 360
 cagggcgatg atgactcggg cagacacttc gacaccctgg ataaggcact tgtcgtctgg 420
 caggatccgc atttcgagga cggcgatgat gatgatgat atgatgatgc cgagacgaca 480
 gccgcggggg gtggagcaga cccccggaa gaaggcgcaa gacagcgag aaaacgcaac 540
 cccaatgtcc accgccgggt agacatcatc atctcgccgt ggcgagcggc cgggtgtgcc 600
 gtgctgggct ggtcgggcga tacgaccttc gagcgggatc tgcggcggtc cgccaagaag 660
 ggcacgggt ggaagtgcga ctcgagcggc gtgagggagc ggacgagcgg cgggcagggtg 720
 attgatttgg agcgcggcgg ggagacctgg gaggagaggg aaaggttggt gcttgagggc 780
 ttgggggtgg gttggaggcc tccgcaggag agatgcacgc gataa 825

<210> 5283

<211> 360

<212> DNA

<213> *A.fumigatus*

<400> 5283
 tatggcacga tcccccggt gttcacctca cccatttttt acctgatggc cgtcgtcctg 60
 ccgtgcattt gccttctccg cgactacgcc tggaaatacg ccaagcgcat gtactaccgc 120
 caacactacc accacgtgca agaaatccaa aagtataacg tacaggatta tcgacctcgc 180
 atggagcagt tccagaaggc gatccgcaa gtacgacaag tacagcgcat gcggaacag 240
 cgcggctacg cgttcagtca ggccgacgag ggcgacaga tgagagtcgt caatgcttat 300
 gataccacga gaggaagagg gagatatggc gaaatgacca gttcgaggac actggtctga 360

<210> 5284

<211> 240

<212> DNA

<213> *A.fumigatus*

<400> 5284
 tgtctaccgc gcggtggaca ttgggggtgc gttttctgcg ctgtcttgcg ctttcttccg 60
 ggggtgtctc tccaccccc gcggctgtcg tctcgcatc atcatcatca tcatcatcat 120
 cgcgtctctc gaaatgcgga tcctgccaga cgacaagtgc cttatccagg gtgtcgaagt 180
 gtctgcccga gtcacatcg ccttgaaaag gtagaggctg ctgttcgcgg ttcgaggtag 240

<210> 5285

<211> 546

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (21), (35)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5285
 agacccttc tggctttgat ntgcagattc ttcgntgata tgctgcgcag tttctatctc 60
 atcgcatcaa ggcccgccc tctccttatg ggcgacatca tggccgttct ggcagaatgc 120
 cggaatcgac aggattgcgg catagatcgc tgggggtggc tacgccacta tacaggcgag 180
 ctctgccgat gggaggagga gaaatgggag ccctatcact gggccgccct tgacagaatg 240
 ccggatgatg tgtccattaa tgttgcatc gagatgcctt ggggatacgg gggatgtcct 300

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gccttttctc ttcggcgggt ctacggcacc gagcgcttcc tgcattgaaat gatcctgcat 360
gagatgatca tggaccaagg gcgtgaatat cagtgggccg agacttcgtc gggcccccac 420
taccgccctg tgaacaagtc caagtacagg gcaaactctgt tggctgtaaa ggagcatcga 480
gggagatatc tgtcgacttg cagcactgtc tttcgcttac tatctgaggt gaaccagcca 540
gggtag 546

```

<210> 5286

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (71), (101), (107), (108), (126), (156), (182)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5286

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gagggcattg atgttccgga ggatcgggtg cgagagcggg ggatttatag tcccagtggg 60
ttggtcttca nacgagtggg atacactggc gagataggat ntgactcnag aaattcgaga 120
ctccancgtg cggatggcgt tgaagcgtgt gttaanactg ccaattactg cgaggccaca 180
tna 183

```

<210> 5287

<211> 471

<212> DNA

<213> A.fumigatus

<400> 5287

```

gaatgggcct actatgtgtt cttgggtgcc ggttgggttg ttgctgggac atgggggtgtt 60
ggatatcttc ttcaattgct gctaggtagt acggagtagt tatcatgcaa tcaattcact 120
gtgaatggaa tgtatcaatg cttaattgtg tgtgtatgca tagtcttcac gtctaccaac 180
caaaagtacc actgtaaaac catgaaacca acctctcaga caagtttgaa cagcgcggaa 240
atatacaata gtaaaaagtc tcatgcagct atcaatcctt tcaactctagc cttgaaaaag 300
caacagcttg gcggaacgat cccaggctac tggatatttt ggcattgttg aggattccat 360
aatctgccaa tcaaaatcgt aattgttttt tgctattgct attccccacg tgctggccgc 420
atggacctcc aggccctata caccgaaaag ggaaaacgca aggattattg a 471

```

<210> 5288

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5288

```

acctttattg accatttcct tgatcttctg aacatccgcc agggtttctt cgactacttg 60
caattccttt ttaatgtcgc cagggtaggg ctagggataa agaaatgcct atgggtatact 120
agaacagaga agttcgcgat catccttctg cagctctatt tgagtatccc taacagttag 180
ttgtgccgct ga 192

```

<210> 5289

<211> 360

<212> DNA

<213> A.fumigatus

<400> 5289

```

caaggttgca gtacgaccac aggaaggagc ccacaacctg cagaatcaag aagaacgtca 60
ccttcatggt ataatccaaa ttctggcgga gagaatcaaa aacgctgttt tggcgcgact 120

```


tggtgtcacc	cgcaggtcaa	aagcgagtgg	accctgctct	gcgcaacaga	gaatctgact	180
tgcggtgtat	caacgatggg	cagtcgtcaa	ggagtcgtca	atgccaagca	gtatcaactt	240
ctagtatgcc	tccatgtcgt	cogtccaacc	agcatcactg	ccagctactc	tgactatctg	300
gccatgatgg	tcatcaatcg	gctcctctgg	gctaacactc	ctgatacctt	tggctttttt	360

<210> 5290

<211> 261

<212> DNA

<213> A.fumigatus

<400> 5290

gcggaagagg	cacgcctaaa	cgcagacaag	gccttcaaga	agaattata	ccactacctg	60
cggttgggctt	tgtcggccgg	tgcccccgcc	cccgggatcc	ccgagacgat	ggagattctg	120
ggccgggcag	aatcgcttcg	cagacttcaa	gaggccagag	agctcacggc	tgaggcgctg	180
tctgtccgtg	tgcccaagag	gacccagtcg	cagcagagcg	aggatacaac	ctggatgggc	240
tctcttgctc	cgcgcccta	g				261

<210> 5291

<211> 195

<212> DNA

<213> A.fumigatus

<400> 5291

gcgggtaaca	tcagattgcc	gatgaagcat	caaaagcaga	tgagaagatt	cttgcagagc	60
aggccgcca	gggcaattga	cattatgtta	agtcacgtca	agcagagaaa	ctctaagatc	120
ctcagggtgt	ttgaggcagc	ggcgcatgct	gtgaccagg	ataaggattt	cttgggtctg	180
acgaaggaat	ggtag					195

<210> 5292

<211> 1344

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (326)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5292

aaatttcatg	aaagtaagca	tatatggtat	agtcggaag	cagtgtactc	tggtattcta	60
acagatttct	tcttgcagta	tggcgctcct	atctgcatca	catgtcatga	ctatcggaag	120
caggatgtag	ttcttgggtc	gattctcttt	gcccttggtc	catgccatct	cttccttgcg	180
tacatcattg	aattgggttc	agctcagcaa	tccaagaaaa	ctgtcggctg	acagaaaaag	240
gatctatcga	cggaggagag	ggagcgcgaa	caacaggcct	tccgctcaac	ctggcggtat	300
acagccttct	tccataccgt	gaacgntacc	ctttgcctcg	ccgtgaccag	cttcgttggt	360
tatttctaca	tcaatcatcc	tgggaatcgg	acaatttgtg	agctccacgc	aatcattgtg	420
tggctcaaaa	attgctccta	tgcatttacg	aatcgcgatc	tgcggcaggc	aatggctcgac	480
ccctctgcag	agtctgctct	cccagaaatc	tactccacat	gcccataatc	aagaaatc	540
acacttggga	accttacata	tttttggcta	gcaccgacac	ttgtatatca	acctgtttat	600
cctcgatcgt	cgcataattg	atggctcttt	gttgccaaac	ggcttgctga	gttttttggg	660
ttagctgtct	tcatatggct	tctctcggtc	cagtatgcag	ccccggctct	gcgaaattcc	720
attgacaaga	tagctgtgat	ggatattgcg	tcaatcctcg	agcgggtcat	gaaactctcc	780
acaatttcgc	ttgtcatttg	gctcgctgga	ttctttgcgc	tcttcagtc	gctgctgaat	840
gctttggcgg	aggtcatgcg	gttcggagat	cgtgagttct	acacagattg	gtggaacagc	900
ccgagtctcg	gcgcatactg	gcggtcatgg	aacaggccgg	tgtacctctt	catgaagagg	960
catgttttct	cgccgctggg	aggaagaggg	tggagccctt	ttgcggcgag	cttcatggct	1020

ttttccctct	ctgcagtcct	gcatgagatg	ttgggtgggga	ttcctaccca	caatttgatc	1080
ggtgagaact	taattctttt	cgcaaagat	aaatctggaa	tactgacgg	ccacataggt	1140
gttgcatctg	cggggatgat	gttccagctg	ccattgattg	ctgtgacagc	tccctttgaa	1200
aaggtgaatg	acgccttggg	caagattgta	gggaactcaa	tcttctgggt	aagcttttgc	1260
ctcgttggtc	aaccgctggg	tgcgctcttg	tatttctttg	catggcaggc	gaagtacgga	1320
agtgtcagca	agatacacgt	ttag				1344

<210> 5293

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5293

ctaagcctat	ttaagtccct	agtaatgccc	tttaggctaa	cagaagcacc	tataaccttt	60
cagcaattca	ttaataatac	cttacaagat	taccttaatg	tcttctacac	tacctacctt	120
aataatatcc	ttatttacag	caagacctgt	actaaatata	taacatatat	ccactccatc	180
ctgcagaaac	taaggggaagc	tagtatatat	acaaaaatct	aa		222

<210> 5294

<211> 486

<212> DNA

<213> A.fumigatus

<400> 5294

aagacggacc	aaatctggta	ccttgacgcc	ttgaccactc	aaaagggcgc	cccatggggc	60
ctgggcagca	tttcccacaa	gggacaagca	agcaccgact	acatctacga	caccagcgct	120
ggcgcaggca	cctatgccta	cgttgctcgac	agtggcatca	atgtcaacca	cgtcgagttc	180
gagagccgcg	catcgctggc	atacaacgcc	gctgggtggca	gccatgttga	cagcatcggc	240
cacggaacgc	acgttgctgg	taccattggc	ggcaagacct	acggagtggc	caagaagacc	300
aaccttctgt	ccgtcaaggt	cttccagggc	gagtcctcta	gcacctccat	catccttgac	360
ggcttcaact	gggctgtcaa	tgacattgtg	agcaaggggc	gtactaagaa	ggctgcgatc	420
aacatgagcc	ttggtaagat	agacccctct	tgctcgttca	actggactga	aagtaacggc	480
ggctga						486

<210> 5295

<211> 528

<212> DNA

<213> A.fumigatus

<400> 5295

tggataatga	caggtgggtg	ttactcttat	gccttcaaca	acgctgttga	gaacgctttc	60
gatgaaggtg	tcctttctgt	cgtcgctgct	ggaaacgaga	acgtatgtat	cccccgtttt	120
agaaaagtta	caaataaaca	ttgcagggtt	ggtcggacta	acatgttgtg	ccagagtgat	180
gcctcaaata	ccagccctgc	ttccgctcct	aacgctttga	cggttgctgc	gatcaacaag	240
agcaacgccc	gcgcctcctt	ctccaactat	ggttcgcttg	tcgacatctt	cgctcccggg	300
caggatatcc	tttcggcgctg	gattggctcc	accactgcc	ccaacacat	ctccgggtact	360
tccatggcca	cccctcacat	tgttggccta	tcgctctact	tgatgggtct	tgagaacctc	420
tctggccctg	ctgcagtgac	cgctcgcatc	aaggagctgg	ccaccaatgg	tgttgttacc	480
aacgttaagg	gcagcccca	caagcttgcc	tacaatggca	atgcttaa		528

<210> 5296

<211> 576

<212> DNA

<213> A.fumigatus

<400> 5296

atTTTgGGGg	tTTTTgGgag	actaacaccc	TTTTgGgGta	tatcTTgcca	gtTTTTctct	60
ccatctcctt	ccctccccc	ctactatagc	gcaaacatgc	cttctgattc	cgaggatgtg	120
ttcgaagaga	atcacgttga	cggaaccacc	tccgaggagg	aagaagacgg	accatctggc	180
cctccagttg	caaccgatct	ctacgaggtt	ctcgggtgtca	aagaggatgc	gactcaggac	240
gagatcaagt	ccgcctaccg	gaagctggcc	ttgaagcacc	accaggttaa	cttgcttgag	300
atttccgccc	aaactacaac	cgggtgattat	tggattgtgt	cactgattga	atcaacaaag	360
acaaggctcc	tgccgaccag	aaagatcaag	cgcattccaa	gtttcagcag	attgccttcg	420
cttatgcgat	cttgtcggac	gaaaagcgcc	gccggcggtt	tgatcgcacc	ggcagcactg	480
cggaagcggc	cgccggcgac	gaagatttcg	actggacgga	attctacaga	gacctatact	540
cgaactcggg	cgatacggag	gcgattgaca	aactaa			576

<210> 5297

<211> 474

<212> DNA

<213> A.fumigatus

<400> 5297

atcaacaaag	acaaggctcc	tgccgaccag	aaagatcaag	cgcattccaa	gtttcagcag	60
attgccttcg	cttatgcgat	cttgtcggac	gaaaagcgcc	gccggcggtt	tgatcgcacc	120
ggcagcactg	cggaagcggc	cgccggcgac	gaagatttcg	actggacgga	attctacaga	180
gacctatact	cgaactcggg	cgatacggag	gcgattgaca	aactaaagaa	ggagtatcag	240
ggctctgcag	aggaagagaa	ggatatcctg	gaggccttcg	accgccacag	aggtgacatg	300
gaccgcgttt	acgagtcggg	gatgctgagc	aatgtgcttg	atgacgacga	gcggttcgcg	360
gctactattg	acaaggctat	tgccgaaggc	aaagtggagg	cttacaagaa	gtacacagat	420
gagccggcaa	agaaggctct	caccacgggg	ctgaagggca	gctgcaagcc	ataa	474

<210> 5298

<211> 210

<212> DNA

<213> A.fumigatus

<400> 5298

tttcaccgtc	tgagagcct	caccacata	gcgaagcaga	catatcacca	acagctgttc	60
attatacctg	ctgctcattg	cacaatcatc	tacctctcta	caattctact	tattgtgaag	120
ccttacctca	caagctctca	aatcaattgc	tcccttccaa	ccaccgcgg	aatgaccgca	180
tccccccacc	tcgactacct	ccgccaatga				210

<210> 5299

<211> 408

<212> DNA

<213> A.fumigatus

<400> 5299

tatgatttgc	gtatgatcag	gcatatcgaa	gtagatgcgc	agaataacgg	caaccttttc	60
ttctggcatt	accagaaccg	tcatatcgcc	aaccgccagc	ggactgtgat	ctggctgaac	120
ggcggggccag	gatgtagttc	gatggatggg	gctctcatgg	aaattggccc	ctacagactt	180
aaggataaacc	atacactgga	gtacaataat	ggctcgtggg	atgaatttgc	aaacttgctt	240
tttgttgacc	aaccgcgcgg	gacgggcttt	agctatgtca	acaccaacag	ttatatccac	300
gagctcgatg	agatgtcggc	tcaattcatc	accttcctgg	agaagtgggt	tcaactatct	360
cctgagtacg	aagggtgacga	cgtaggtgcc	ctcattttca	gtgcctga		408

<210> 5300

<211> 207

<212> DNA

<213> A.fumigatus

<400> 5300

gtgccctcat	tttcagtgcc	tgatgatctc	ggtgcccaact	tattaacttg	tcatcagata	60
tacattgcag	gcgagtcgta	tgctggacag	catatacctt	acatcgccaa	agctatacag	120
gaacgcaaca	ataagatcca	gaatgaccag	agcatccggt	ggaaccttcg	cggcattgtg	180
atcggtaatg	gttggatctc	tcccgcc				207

<210> 5301

<211> 1539

<212> DNA

<213> A.fumigatus

<400> 5301

cggcgtggct	ggacacggac	aattaccgtg	catatcacc	ccggtggaca	caagagcaac	60
agagcttgtt	gcatgtcaa	agttcgcaca	gcggaagatc	aagattctgt	caactcaaac	120
ggaaacaaac	tgctgtcaa	tgctcaagat	gcgctgattc	taatctcagc	gcaaaccact	180
taccgttgcg	acgacataga	caagaaggct	tcttctgact	tgagacagc	tctactgcac	240
tctactgatg	agatctggga	acgacatgtg	aacgactacc	gatcactcta	tggtcgcag	300
gaactgcacc	tgagtcacag	caactgtgac	atgccactg	acaaaagaat	caagaactcg	360
cgtgaccctg	gtctgatagc	actctaccat	aattactgtc	gctatctgtt	gatatcgtgc	420
agtcggaatg	gggacaaggc	tttaccagcg	acgctacagg	gaatatggaa	tccgtctttc	480
catccagcct	gggggtgtaa	atacacgata	aatattaatc	tgagatgaa	ctactggccg	540
gcaaataattt	gcaatctttc	cgattgagag	atgccgctat	tctctctact	agagcgagtg	600
gcgaaatcag	gagaggagac	agcacagaag	atgtacggct	gccgtggctg	ggtggctcat	660
cactgcaccg	atatttgggc	tgatacttct	cctggagaca	cgtggatgcc	agcaactctt	720
tggectctag	gaggtgcttg	gctctgtgtc	catatctggg	atcatttccg	tttcaccgcc	780
gataaggaat	ttctcgagag	aatgtttccg	attctgcaag	gatgtgtgca	atttcttctg	840
gatttcttgg	tcgaagatgc	atctggagag	tatttgggtc	cgaaccgcgc	cctgtcgccc	900
gaaaacacgt	tctatgaaaa	aaacggagag	cgtgggtgtc	tgtgtgaagg	ctccaccatt	960
gatattccaaa	tcgtgaatgc	cgtcctgagc	gcttatctga	aaagtgttga	agagttagag	1020
atagtggata	agcttgccgc	cgcagcatta	gacgccttgc	atcgacttcc	accgctccgc	1080
atcggtatct	tcgggcaact	acaagagtgg	gcttcggact	atgcggaagt	agagcccggg	1140
catcggcag	tttccacact	gtgggccttg	tatcctggag	atactatcag	cccggaaaca	1200
acgccccaaa	tagccgacgc	ctgctcggtc	acactgcaca	gacgtgaggc	ccatggaagc	1260
ggccatacgg	gctggagtcg	cgcatgggta	atcaatctgc	atgcacgatt	gctggcagct	1320
gaggagtgtg	caaagcacat	tgatctctta	ctggcgagct	caacctgcc	caacttattg	1380
gacactcacc	cgccgttcca	gacgacggt	aacttcggcg	ccggtgcatg	tatcctggag	1440
atgctccttc	aatcccatga	ggagggaatc	attaggcttc	tttccgcttg	cccagagagct	1500
tggagtttcg	ggtctcttcg	aaacatctgc	gctcgttga			1539

<210> 5302

<211> 393

<212> DNA

<213> A.fumigatus

<400> 5302

cctcgactcg	cccgtctctg	tctcaagact	ttccttgatc	cgtcaaaaacc	attcggagca	60
cattatggtg	cgattatttg	cttgcagctc	gtcgggtggc	ccgaagctgt	tcgctctctg	120
atacttctta	atctatcaac	ttacgcgacc	cttctcgcgg	acggcatggc	agaagacaat	180
cctcgacgac	cagaggccga	aaaggtgctg	ggtgactgtg	tgccgctcct	ttctaccttg	240
cgggagggcc	gtaaaactct	ggccaatggg	cacggtgcc	ttgtgacgga	cgagctccgc	300
gagcgactaa	acgccaaggt	gggggatata	atcgcaagca	ggatcgcgga	tgccgggagag	360
gtgcagatgg	tctatgctat	tctcgaagct	tga			393

<210> 5303

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5303

cagtctacag	gtccagagaa	actcttggag	gtgtggttcg	cgccttccgc	tcaggaatta	60
gggtccagcgc	agcccgccgg	tctgaaggct	gttccggagg	agatctggaa	ggacatgttg	120
gatctcgtca	attgccaggt	cctctcgatt	gtttcgtcag	aggatgtgga	cgcctacctg	180
ctatcctctc	ttaacgccgg	gatggaaggt	atgcgt			216

<210> 5304

<211> 195

<212> DNA

<213> A.fumigatus

<400> 5304

actaattacc	agaaccggaa	tagcagaatg	tcccagacgc	ctagctatgc	atataagctg	60
gacactcaag	gtgcgaacat	cggctctcaag	atgcacgcaa	agaaccaaac	aaggacgagg	120
atgccgatgc	cggatatattc	aaccagatgc	ccaaatacac	agagcggcgg	cagacagcaa	180
gaaatgaaaa	aataa					195

<210> 5305

<211> 456

<212> DNA

<213> A.fumigatus

<400> 5305

tctgcaagct	actcatcaac	cgtctggggcg	ctgccaacgc	caatcagttc	cacctttgct	60
ggcaatggag	caacgtcggg	ctcgggaacg	gagccgtaag	ctgcagcttc	tcctcagtcg	120
gtttccgacg	ctgctccgtc	cagcagctac	tgtcatagca	ttgcaacacc	cgcctactct	180
ccccccactg	gttcctcggg	tccccacatg	accggaacgg	ttgagctgcg	agcagtgcta	240
cctgctgtca	cgcaaccata	tcatagtatg	gcacgcggat	acgcataatc	cactgtctgc	300
cagcagcagg	gacaactttc	actcacagct	cctgtcagtc	ggccgctcatg	gaatcccaac	360
agccttgctc	atcagccttc	ggcaagtgcg	gccccagct	atagctatct	agctcctttg	420
ccttattcat	tacccgaccc	ttcccacggg	tgttga			456

<210> 5306

<211> 837

<212> DNA

<213> A.fumigatus

<400> 5306

ataaggcggt	ttatgtccac	caaaaccgga	tggtcccga	ggcccagagg	tccccggggg	60
ggtaaatatg	ccgccaatgg	caagcaccga	aagtcaagaa	agagtgtccc	ctattcaacc	120
gacatacaga	gggcgtcatc	tccatacagt	tcaattccca	aattgctcac	gccttccagc	180
ccgagatcaa	attttaacag	gtccccatta	tcaagttcaa	tctctaccca	aggcagcctg	240
aggttttcgt	cgggaggtcg	gagcccggcc	agtcctgaaa	agtcgcttcg	gaggacgata	300
agcatcgagg	cctttcccca	gcctccaaag	gtcaatggcc	gttcctctgt	ggcttccaca	360
atctcgggat	ccaataatat	tccgcttggg	agcgcgagag	tcaagagtgg	ttcgagggtta	420
agttcaggga	ctaccagcag	ttatcgaagt	tcaagacccc	cttccctttt	gaacgggaat	480
ggggacagca	gaaatggcgc	ttccttagac	tcacgagaac	aagaagcctc	ccctacacag	540
agcagaagct	cgtcagccca	aggatcgtac	tcaacaagtg	cgaccacatg	tgaagatccg	600
gatgatgcta	cagggatcgc	caagtcfaat	tcgagaacca	agcaagtga	aggaaacgtg	660
atcgtcagcg	ttcgtgtacg	tcccaatctg	accgggacag	atagttcggc	ttctgacagc	720
gattgggttg	ttgacgggtg	tcgcggcctc	atttcctata	aaggaaagga	aggcggagta	780
gactatttat	atgggtgtgca	cccagacaaa	gacctttcta	acgattcgca	tggctga	837

<210> 5307

<211> 639
 <212> DNA
 <213> A.fumigatus

<400> 5307
 cgattcgcac ggctgattga tcaatctact tctacaacag acaatgtctt cccgccgcac 60
 gagcacaatg ccaaagtcta cgacgccgag gccaaagcgc ttgtaagaag ggtcatggaa 120
 ggatatcacg gaacagtctt tgcttatggc atgaccggga ctggtaaaac cttctctatg 180
 caagggactg cgacttctcc cgggtgtgata ccattagcaa taacggatat cttctctttc 240
 atcagagaga cacctcaccg ggaatttctg cttcgcgtca gctatctgga gatctacaac 300
 gaaaagattc atgacctcct gtcggcgctg ggctctactg ggcttgggaa ttctcagcag 360
 gaggagatca aactccgcga agacagcaaa cgaggtgtgt atgcaactcc gttaaaggaa 420
 gagattgtgc agagccctac ccaactccta cgtgtaattg ccagaggcga tcttgacagg 480
 agaacgggca gcacgcagtt taatgctcgt agttcaagaa gtcatgccgt cgtccagatt 540
 gttgtggaga gcagagaacg agcaccaacg agcaaaccat cccaagaacg gcgctcttgt 600
 atggccccag gtggagtcag ggtgtcgacc cctacttaa 639

<210> 5308
 <211> 765
 <212> DNA
 <213> A.fumigatus

<400> 5308
 ccccgaaagc aaatatacca tgtcaaggca gcagccaata ccgcctcgga ggatctcgac 60
 ctgaacaggg cgcaggatga acagtttccc ccagagaagc ttcgaatcac gatcgagcgt 120
 ttctatacgt cgggtgggtg tgagttgggt ggcttctgca ggcataatgc ccggctacgg 180
 tcgtggaaag agcctcggcg gacggcgggt ttctgtgcag taagctatga tacagagttc 240
 ctcatgagcg agttggatct aatgcgtgcc gtgcaggggt actttattgc ctggctgttg 300
 gatgtgggta tttttacact gtcgggcctg ttgattgcct tgatcttgtg tccgcccctc 360
 cgtcggggcg ttttccctgg cgcattctca gcgtctactg acttggagaa ttcgacacct 420
 ggagatcctc ggacgcagga tagcattatc tggacctcgg aaaggcacia aggagaggct 480
 gctgagcggg aggtcctaaa cctagtcaac aatgttgcca ccattgccat gaagagtgtc 540
 actggtaaat acggacaggg tgtgcctgaa gatgctgaag aggtcgccga gccggagagt 600
 ctggcagatg ttgtggatgc ggcggaagga cttgatgaaa gcgttacagc ggagtcgcag 660
 aagccgatga agagaaaggt agccaacgct accgacgaga taatgcggac gatgaatgat 720
 attacggaca cttatgagaa gttctgcaag tatgtttctc gatga 765

<210> 5309
 <211> 198
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (118)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5309
 tatagatcaa gtccggggga aatgactgtc caaaacaatc aaatccccgc aatctacgcg 60
 cgggcgatcg aaaagtacaa ggatatcact aaagaggatc tccgatgtcg cccttgcntg 120
 tgcaagctcc agactgtcga cgacctggcc aaagagatcg atgagcatct caccgacgcg 180
 gctggaagga cacgagct 198

<210> 5310
 <211> 612
 <212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (25), (38), (43), (73), (129), (135), (283)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5310

ccgtggcctt	cagtttcgga	ttttngaacg	tgctcccntg	acngtggacc	tgatcagacc	60
ctgaccaacg	aanaccccag	cgttgttttc	gcttcggcct	accgcttcag	cgctcttttt	120
ttgtacacnt	ccgcngactc	tttgtacacc	ttcgcgcccc	ccgtcggctg	gaccgccatc	180
gaaatgtccg	cgggcatcgt	ctccgcctgt	ttccccacct	tcggccccgc	cttccaggcc	240
atcgtccgtc	tcctcggcat	ccaaggcgcc	ctgcggcct	tgntgcgcag	ccgcaccacc	300
cccatgtcca	agaccggcca	gtcaaaccac	agtcagaacg	agttgacgaa	aggacaccgc	360
ggcagcgggtg	tcgggcactc	ggcgcatagc	cggcgtcatt	ccttctatta	tctcccggat	420
gaggcggatt	cggccgggtg	acaacccatg	acgcgggagc	ggttggtatg	gtccctgcgg	480
ccggagtatg	atcacggaca	tatggtgacc	aacgtattag	gcgccaaggg	gaggaacgtc	540
gataacgcga	gcgatgagat	tcctctgcat	ggaatccgtg	tgagaaaaga	ttttacccaa	600
gtcaaggagt	ga					612

<210> 5311

<211> 189

<212> DNA

<213> *A.fumigatus*

<400> 5311

tacggagtgc	ccttggactg	ttcgagcccc	tcatttaact	cgcgccgaat	ccccgccccg	60
ctctcttcag	ccgcacttca	tctactaacc	ttcgcgcccc	tcagcatgaa	gcgtgggggt	120
tataagttgc	acgccgcgac	tgtaagtcg	ctggttgtaa	catcacattg	cttgggtgctg	180
ggcagatga						189

<210> 5312

<211> 834

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (104)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5312

atgagcgggc	cacgttctct	attcctgttc	ctgggcgtca	caagttgggc	actaaaagca	60
cagacccctc	tgccgattcg	gaagttcgaa	tcagtgcact	cctntgaatg	tctcgatgtt	120
ttcactgcta	atgaaatcgt	tgagctcagc	tgctccgtct	gtggaaacag	caatggattc	180
tcgaagcgtt	cgtcatttag	gacaatgccg	caggaactag	tgctaaacgc	ccgacgattc	240
gaagtgcgtta	attgggttcc	gaggaaattg	gatatcccag	tgaatgtcag	cgacgaacca	300
ctggatttca	gcccataatg	tggtctccatg	aaggaggaag	gcgaaaagct	cctaccagaa	360
gacgatccat	ccgttagtgg	cttctcgcct	gatcagaaca	tcttaaacca	gcttcttgcc	420
atgggttttc	ccaaaattag	gtgtgaaaag	gcgctacatg	cgaccggcaa	ttcagatacc	480
gaagctgcca	tgaactggct	gttctctcat	atggatgac	cagatatcga	tataccgctt	540
gtggtcagca	aggttactgg	ccccgccaac	atggccctac	aggatccatc	gaaagtaagt	600
caactgattg	aaatgggtat	tgatgaggat	cgagcccaaa	gagcactggc	tgcgacaggg	660
ggcgatgtgg	atcgagctct	tgattgggta	ttcagtcatc	ccgacgaaag	gcctgaatat	720
aaaagtgggtg	attgtgactc	tggtctctcg	cttcccggtc	ttaacgaaac	cccggtctata	780
tatcaacttc	gggccattgt	ttgccacaaa	ggtacatcag	tacacgctgg	gtga	834

<210> 5313
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 5313	
gtcagaaatc tcaatctttc agattatcga attgccaaagc aactgagaac aaacagacat	60
tatgttgcac ttgtgcgaaa gacgctgccg ggccaggata acccttcctg ggttatgttt	120
aatgacgaga aagtcgtggg agttgatgat attcaagata tgaaaaagtt tgcctatcta	180
tactttttct ctcgagtcga ggcgtga	207

<210> 5314
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 5314	
ggcgcgctgc tcagcacttt gaaagatgag cgcttcaagg tcgtctatca ggccgccgacc	60
aaatccctct gttccgagcg atttcgggac tggagcagga agttcatgtc gttgggactc	120
cagtgtgcgg agctaactgg cgacactgat cataccagc tcagaagtgt tcagaacagt	180
cagatcatcg ttactacacc agagaagtgg gacagcatga ctcggaagtg gaaagatcat	240
gcacgcttga tgcaattggg aaagctcttc ctgattgatg aggttcacat tctcaaggag	300
gctcgtgggt cgacgctgga agcgggtgtg tcgagaatga agacattcgg gtcgaatgtc	360
cgcttcgtcg ctctgagtgc tacggtccca aactcggagg atattgcgtg ctggctcggg	420
aaagatgcaa tgaatcaaca cgtaccagca caccgagagc actttgggga ggattttcgt	480
cccgtcaagc tccagaagtt tgtgtacggt tatcagtcac acagcaatga ttttgccttc	540
gacaagttat gcggttcgaa gtaa	564

<210> 5315
 <211> 855
 <212> DNA
 <213> A.fumigatus

<400> 5315	
ctggacggca cagccacgct gatggcagga gtgcgatttc atcacgcggg cctcgaccct	60
gctgatcgcc acaccgttga gtctgggtat ctgcagggac atatcgccgt catttgctgt	120
acctcaacc tggcagttgg ggtcaatctt ccatgctacc ttgtcataat caaaggtaga	180
gtagggttggc aggatggtgg ctgcaaggaa tactccgac tcgaaatgat gcagatgctt	240
ggccgagctg gtcggcctca atttgacgac agcgtattg cagtgatcat gacgagaaag	300
gaccgagttc aacattacga gaaactcata tctggatgta agacacttga gagctgtttg	360
cacctcaacc tgatcgacca cttgaacgcc gagattgggt taggtactgt cgttgatgtc	420
gattctgcag tcagatggct ggcgggtact ttcctgttta tcaggctgag aagaaatcca	480
aagcactatc agctgaagga aagggccaca aaggatgatg aagacgaaat tcttaggcag	540
atttgcgaaa ggaacatcaa acttctgcaa gagactggac tagtggtctc tgaccatctc	600
cagtccacac ccttcggaga tgccatggct cggactatg tacagttcga taccatgaag	660
actttactcg cgctgaaacc tcacgcaact gtatctcaag tggtagggtc gccggctctc	720
tgtttgacga taggagaaac tctaattggc ttattcagct atctgcaatt gccggaggcag	780
aagaattccg tgagatacgg ctcaaggcag gcgagaagtc actgtataaa gaactcaacc	840
gggccaatgg cataa	855

<210> 5316
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 5316
 ctgcgaggt cgtccttggg cgcacatgta atgtccatag acgtcaactg gaggttcgcc 60
 acctccgggc cagacggaga agcgcttgct gaacgtatcc gatccttcat ccacgataga 120
 ttccagcagg tcgctctgcc ccggttcacg cgttctgtcc aagtccacgc ttttgatttt 180
 gggaccattc cgccggagct cgagattaaa gatttctgtg agccctttgc cgacttctac 240
 gaggaagatg atgacgacca tacgtccgat gcgtccgagg agcgtgggga ggagcactcg 300
 agtcggtgga acagtaccca tccagagctc aacgagccct cctatcgaga agatacagcc 360
 gtgaatcatt ccttaacgaga tctttttcct gacgggtttc ctacctccc gtgcatcg 420
 cctttaggcg agcacctcaa tcttcatttc cttccgcgtg ccagtactcc tggatttccc 480
 ggtggaactt cgacattagg ttatcacctg atgtcgctcg gcgggctctc cggtacgcaa 540
 acgcctcttg ctgcggtagc ggggggaaac ccattcgaga gcggttggtc agattccggc 600
 atggggccgg ggaacagggg tcgttcggag acacacgccg ggatgcagca cccacgcgcc 660
 gaacccgag 669

<210> 5317
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5317
 caaactgggc cacaagcctg ggagctgaca atggattcca acggcctcgc gggccatgac 60
 aaccggaggc gccggggtgc gctggcatgc aatacatgtc gggggagacg gaccaaagtc 120
 gatggtcaac ggccaagtg ttcatctgtg gctaggcgag ggaaagagt cctctaccag 180
 gaagtgcagg gtcttccacc ttctccgtga 210

<210> 5318
 <211> 222
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (192)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5318
 aaagagctcc tgtcaacatc tgttcgttct tctgcgaggc tcacgtgcta catccaggat 60
 tctcgcgtgg attgtgcgag tctatttcca ggaaagggcc gccaggaag cgatttgact 120
 tacacatata aggggtgctc tcatttgatg tttgagcagg tgtcagccat tgaagagcag 180
 tacatttctc antggttttg acggatatct aaaactcatt ag 222

<210> 5319
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 5319
 caggagctct ttotagtctc tcagtgccag gctatacacg cccggtccat cttcccctgt 60
 caagatacgc cggatgtcaa gtgtacgctg gacttcaaca tcacttcgcc tcttccgggtg 120
 attgccagtg gactccccgt tcgggggttca tctgaggctc cgaagtccga tggtaagact 180
 ttatacaagt tccacaaaaa ggtcccaatt ccaagttatc tttttgcgtt agccagcggg 240
 tga 243

<210> 5320
 <211> 270
 <212> DNA

<213> A.fumigatus

<400> 5320

gcgtcctggc	tccgagtcac	taacggctat	agccacggcg	agccttatcg	tcattttctcc	60
gccatcattg	gatggaaggc	tctcacagac	tctgtagagc	acttcgggtcc	tgagcatgac	120
tttaccaaac	ttatcaccaa	cctgaagggc	atggacccag	atgacgcttt	ctcaagcatt	180
ccgtacgaga	agggattcaa	ttttttattc	cacctggaga	atctgggttg	aaagagcaag	240
ttcgatcggt	tcattccctca	cgtatgttga				270

<210> 5321

<211> 249

<212> DNA

<213> A.fumigatus

<400> 5321

cagtcctgcc	ttgatgaggg	caaatccgct	aatcatgttc	agtacttcaa	taaatacaag	60
ggcaagtcac	ttgactccta	tgaatttaag	agcacgatct	tggatttctt	caaggatgat	120
tcagatgcct	cgacagcact	gaacgagctc	gattggggaca	gctgggtata	tgccctggtc	180
tcctccgaa	gccggatttg	tcttcaccga	ccggggctgg	aaggacacgc	gctctggaag	240
gaaccgcgc						249

<210> 5322

<211> 1464

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (877)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5322

ggtaccccaa	tgccggagaca	tgtactatgg	attggacagt	tcagacgctt	tctcgatgaa	60
gacgaaatat	tcattctgcaa	atacggactg	gattgctatt	tgtttctgcg	actgctacac	120
acagccctga	agctttctct	cccgatggct	cttttggttc	taccagtact	attgcctgtg	180
aattatacct	ctagaagtca	gagcacttct	gggctggata	ggttttagtat	cgcaaactgc	240
acgaaccggag	agaactgcag	gtattggatc	acagccttgg	ttgcaactct	agcgaactgc	300
cacctatgct	acgtcctttt	tcgtgaattc	aaggctcatc	tgccaatccg	acaggctcac	360
cttcacgtgt	cttcccgact	gcaggcagtc	acgagcgtgc	ttgtcactga	acttccccca	420
gacctgtgga	acggagagct	gttggctcat	ctctattctc	ggttcaacga	gggtccgact	480
gagggttatcc	tccccgggga	agacatgcat	gcagccagaa	aaactgagct	ggaattgctc	540
ttgaagaagc	gcgatgactt	agccaggaat	accgcaattc	aacgacggcg	attgccaatc	600
tcccacctga	agagttgcat	acaagtacta	gtatcgagcg	ctcattttacg	atggcaagtt	660
atcaggggtgc	gggcagaagt	tagaaaactg	cgaagcgttg	ctataattcg	attctccagc	720
cttttcaccg	cacacctcgt	actacaggcg	actacctctt	ccgagccatt	caagatgaag	780
gcacatatcc	ttagtataaa	agcatatgat	ggcaggcgac	atatctttaa	aagcagactg	840
gaaagggtcta	tacacagcat	aagtatcact	gtgattntga	acgtcctgga	aatagtgtgg	900
gcagttccaa	tgcgaatgac	tggcctgctg	tcacagctct	cctatctgga	cactataagc	960
atcgatctag	cagatctctc	cgaatggcaa	gtgagcgcca	tacaaggctt	agctcctcaa	1020
gcagcgctct	cattgctgat	gtactgcttc	ccttatatca	tctgcgctct	atcgaaattc	1080
ttcgtccatt	togaaggctc	ctcggtcgaa	acattgatcc	aaagacatta	tttcacgttt	1140
ctttacgtac	aattgttttt	ggtcgtttct	atctcttcag	gcattacgac	catgatcccc	1200
gacctgggtca	gtggattcca	gtctattccc	ttaatccttg	ctcgaaacct	gccaaagtct	1260
tccaactact	ttttttccta	cctgattctg	caggccgtcg	tacagactag	cacaatactc	1320
ttccagctgc	cggacggcct	ttggaggggc	ctgcgacgtg	gccaaagcga	acactccatg	1380
aagcgtgtcc	gttggagctt	agtctatccg	gtcttttgcca	atttgatctg	catatgtgcg	1440

tatatcatga aggacttcaa ctga

1464

<210> 5323

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5323

aggccgtggg	caacgattct	tgccagttct	ctgatacgaa	ctcagttcca	acaccccttt	60
gtcactacct	atccaatggg	cgtcttggct	attgcaatga	atctttctgc	tatcaatgag	120
accgtcacac	atgcgcgagg	gaaggcgcaa	agggagaggg	gactctcgtc	tcagtcattt	180
ctcctaactc	tccttgtcta	cggcagtgct	tccatactat	cggtatgctt	gtttagttac	240
ctaaaggata	agaatctcaa	tctcttgtgg	gtcatgtaa			279

<210> 5324

<211> 384

<212> DNA

<213> A.fumigatus

<400> 5324

aggacttcaa	ctgaacactg	gaaattatgc	ggattgagag	ctaaatgcga	tgcaggcatt	60
atattttccc	ttttgtcgcc	tctcatcttg	ccaatcgggc	tgctgacgtt	caagggtgtc	120
ctaactcctct	attcctatca	agcaacatac	gtgctcgaaa	gcgataagga	aacttctggg	180
ttgctctact	gggaagctgt	caactatctt	tttgtaggta	tatatactat	ggatctttgc	240
cttatcgggc	tttttgcggt	acagaatgca	gtcggaccca	ccataatggc	tgctaccctt	300
ctgcttggtg	ttgcgatggg	gcataagcat	ctaaggagca	atthttcccc	tctcatccac	360
tacatatcct	gcaaactctc	ataa				384

<210> 5325

<211> 210

<212> DNA

<213> A.fumigatus

<400> 5325

gtattgatca	tgggtcttcg	agtaattatc	accggagggt	cgggtaaagc	cggccaacat	60
gtgattgcag	agctccttaa	agctggacat	acgatcttga	atthtagatct	acttccttgc	120
cctaatgata	aagtctgcac	gtcagaact	gacctgacac	agtcagggtca	ggctctttaat	180
gccatgtctg	gtcagttcgc	cttgaattga				210

<210> 5326

<211> 855

<212> DNA

<213> A.fumigatus

<400> 5326

ggaacattgt	ctttgggaaa	agagacaatc	cttcagctcg	cgtaccatcg	tccgtcccg	60
atctacatgg	gtgcgcgcaa	tgcgacgaaa	gctcgcgatg	ccatcacoga	cattcagogg	120
cagcttttga	ccccgttgga	tatcagacat	attccccctg	acctagcctc	tttcgcttcg	180
attcgcagcg	ctgctgcgaa	gtttacctcc	gaatgcgatc	gcttagacat	cctgatccta	240
aatgctggta	ccatgggcaa	cccgcctaca	actactgaag	aagggtttga	agtgcatttt	300
gggactaacc	atatttggtc	ctttctgctc	acaaaattgc	tgcttccggg	attgcaaaag	360
actgctgcca	ggcctgcgtc	aaccgacgtg	aggggtggtg	ctttggcgct	tttggccaac	420
tgccgcgctc	cgtcgtacga	tgtcatgaca	tccacgggtg	cgctcttggc	tgctagtact	480
tgacacagct	atgccgcttc	taaggctgcc	aatattctat	tcgcctctga	acttgctcgc	540
cggtagccga	acatcctctc	tgtctccgtt	cactctggta	ctgtgaccag	caacttgtag	600
gaacatgcga	aggcgtcgag	tcccgtctca	aaatacagcg	ttgctgctct	ctcccttttc	660

tttcggtcag	tccgttcagg	cgctctgaac	cagctatggg	ctgctggggc	caagagagag	720
ctcttgacga	acggagcata	ctacattccg	atcggaatc	atgctaaaaa	caacaagtat	780
gccacggatg	cggacatggc	aaagagattg	tgggaatgga	cagaggccca	gattttctgaa	840
aaattcgtgc	cttga					855

<210> 5327

<211> 522

<212> DNA

<213> A.fumigatus

<400> 5327

acgggtgccg	cgggacctat	tatcgtaagg	cgtctatcc	ttcgcatcga	tgcgaatcaa	60
caccatacgc	tgcgcacccat	gaccacagaa	attgcggctg	gtactcctct	ggcggaggcc	120
ttgagcaatg	ctatccagcc	taaactcgta	gaaatgggtt	ggacctccga	tggcggcgac	180
gattcagctt	tgatcgaata	cattatcctg	atgcttgctc	acggcaaaaag	tcaagaacaa	240
attgctgacg	aactttccaa	tgatttgctc	ggccttggca	gtgaaggaga	tacacaagct	300
ttggatttct	caaggtggct	cttcgaacag	gtcgaagtc	tcaatcgaca	gatcaacggc	360
ggtggcgccc	ctgtcgcaaa	cgagacggca	cacactatac	cgtcgtccaa	cgaccaaaca	420
gcgacttcgc	aagagggtaa	tgatggagga	gatcaggatg	ccactatgaa	catggctgat	480
ggttcgcaca	tggatgattc	gatgtgggtt	cctgctcttt	aa		522

<210> 5328

<211> 306

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (177)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5328

ctgggaactt	attcttcagt	gtcaacgcct	ccaagcatgg	agtttttgac	gttgccccag	60
acaatcaaag	ttttggagga	cgcgggatac	gtcattgact	cttacaacat	gaagctttgt	120
tgtaccttcg	agaacctga	acgactttgg	gtggctctag	aagagttgga	caagctntca	180
caactttctc	tggccacatt	ggccgacact	aaactcgcac	gtccaaagag	cgacaaaaag	240
acaagggacg	agcttttggg	tcaagggctc	caacggttga	gggagaaaact	aaagcctaaa	300
ttatga						306

<210> 5329

<211> 1431

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1413), (1420), (1421), (1426)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5329

aaaggtgcta	gaacaacacc	ctccgttggt	gctttcgccc	aggacgggtga	gcgtctggtc	60
ggtattgctg	ccaagcgtca	ggctgttgct	aaccctgaga	acactttatt	cgccaccaag	120
cgtctcatcg	gtcgcaagtt	caccgatcct	gaggttcagc	gtgacatcaa	ggaggtcccc	180
tacaagattg	ttcagcacac	caacggcgat	gcctgggttg	aggctcgcgg	tcagaagtac	240
tcgccgtctc	agatcggtgg	tttcatcctt	cagaagatga	aggagactgc	cgagaactac	300
ctcagcaagc	ccgttaagaa	cgccgtcgct	actgtgcctg	cttatttcaa	cgactcccag	360

cgtcaggcta	ccaaggacgc	tggtcagatc	gctggctctga	acgttctccg	tggtgttaac	420
gaaccacccg	ctgctgccct	tgcttacggg	ctggagaagg	aggccgaccg	tggtgtcgcc	480
gtctacgata	ttgggtggg	tactttcgat	atctccgtcc	tgagatcca	gaagggtgtg	540
ttcgagggtca	agtccaccaa	cggtgacacc	caccttgggtg	gtgaggactt	tgatatccac	600
ctgggtccgcc	acattgtcca	gcagttcaag	aaggattctg	gccttgatct	ctccaacgac	660
cgcattggcta	tccagcgtat	ccgtgaggcc	gctgagaagg	ctaagattga	actttcttct	720
tcacttcaaa	ccgagattaa	cctgcccttc	atcaccgccg	atgctagcgg	cgctaagcac	780
atcaacctca	agatgactcg	ctctcaactt	gagtcctctg	tcgaaccctt	gatcaaccgc	840
actgttgaa	ccgtccgcaa	ggccttcaag	gacgccaacc	tccaggccag	cgacatccag	900
gacatcatcc	tggttgggtg	tatgaccctg	atgcccaagg	ttgccgagtc	cgtaagtc	960
atgtttgggtc	gtgaccagc	caagtctgtc	aaccctgatg	aggctgtcgc	catcggtgct	1020
gctatccagg	gtgctgtcct	ggctgggtgag	gttactgacg	ttctgctgct	cgatgtcact	1080
cccctttccc	tcggtatcga	gactctcggc	gggtgtcttca	ctcgtctgat	caaccgcaat	1140
accaccatcc	ccactaagaa	gtcccagaca	ttctctaccg	ccgctgactt	ccagactgcc	1200
gtcgagatca	aggtgttcca	gggtgagcgt	gagcttgtca	aggacaacaa	actgcttga	1260
aacttccagc	tcgttgggtat	tcttctgccc	caccgtgggtg	ttcccagat	cgaggtcacc	1320
ttcgacattg	atgccgactc	cattgtccac	gttgccgcca	aggacaagtc	cagtcttcac	1380
cacggggctg	gaagtatcga	cagtgttcta	ttnttaaata	nccatngcgc	c	1431

<210> 5330

<211> 687

<212> DNA

<213> A.fumigatus

<400> 5330

aacactgtcg	atacttccag	ccccgtgggtg	aagactggac	ttgtccttgg	cggcaacgtg	60
gacaatggag	tcggcatcaa	tgctgaagg	gacctcgatc	tggggaacac	cacgggtgggc	120
aggaggaata	ccaacgagct	ggaagtgtcc	aagcagtttg	ttgtccttga	caagctcacg	180
ctcaccctgg	aacaccttga	tctcgacggc	agtctggaag	tcagcggcgg	tagagaatgt	240
ctgggacttc	ttagtgggga	tggtgggtatt	gcggttgatc	agacgagtg	agacaccgcc	300
gagagtctcg	ataccgaggg	aaaggggag	gacatcgagc	agcagaacgt	cagtaacctc	360
accagccagg	acagcaccct	ggatagcagc	accgatggcg	acagcctcat	caggggtgac	420
agacttggct	gggtcacgac	caaacatgga	cttgacggac	tcggcaacct	tgggcatacg	480
gggtcatacca	ccaaccagga	tgatgtcctg	gatgtcgctg	gcctggagg	tggtgtcctt	540
gagggccttg	cggacgggtt	caacagtgcg	gttgatcagg	gggttcgacga	gggactcaag	600
ttgagagcga	gtcatcttga	ggttgatgtg	cttagcgcgc	ctagcatcgg	cggtgatgaa	660
gggcagggtta	atctcggttt	gaagtga				687

<210> 5331

<211> 615

<212> DNA

<213> A.fumigatus

<400> 5331

agaagaaagt	tcaatcttag	ccttctcagc	ggcctcacgg	atacgttgga	tagccatgcg	60
gtcgttggag	agatcaaggc	cagaatcctt	cttgaactgc	tggaacaatgt	ggcggaccag	120
gtggatatca	aagtcctcac	caccaagggtg	gggtgcaccg	ttgggtggact	tgacctcgaa	180
cacacccttc	tggtatctcca	ggacggagat	atcgaaagta	ccaccaccaa	gatcgtagac	240
ggcgacaaca	cggtcggcct	ccttctccag	accgtaagca	agggcagcag	cggtgggttc	300
gttaacaaca	cggagaacgt	tcagaccagc	gatctgacca	gcgtccttgg	tagcctgacg	360
ctgggagtcg	ttgaaataag	caggcacagt	gacgacggcg	ttcttaacgg	gcttgctgag	420
gtagtctctg	gcagtcctct	tcattctctg	aaggatgaaa	ccaccgatct	gagacggcga	480
gtacttctga	ccgcgagcct	caaccagggc	atcgccgttg	gtgtgctgaa	caatcttgta	540
ggggaccctcc	ttgatgtcac	gctgaacctc	aggatcgggtg	aacttgccgac	cgatgagacg	600
cttgggtggcg	aataa					615

<210> 5332
 <211> 573
 <212> DNA
 <213> A.fumigatus

<400> 5332
 agactggact tgtccttggc ggcaacgtgg acaatggagt cggcatcaat gtcgaagggtg 60
 acctcgatct ggggaacacc acggtgggca ggaggaatac caacgagctg gaagtttcca 120
 agcagtttgt tgtccttgac aagctcacgc tcaccctgga acaccttgat ctcgacggca 180
 gtctggaagt cagcggcggt agagaatgtc tgggacttct tagtggggat ggtggtattg 240
 cggttgatca gacgagtga gacaccgccg agagtctcga taccgaggga aaggggagtg 300
 acatcgagca gcagaacgtc agtaacctca ccagccagga cagcacctg gatagcagca 360
 ccgatggcga cagcctcatc agggttgaca gacttggtcg ggtcacgacc aaacatggac 420
 ttgacggact cggcaacctt gggcatacgg gtcataccac caaccaggat gatgtcctgg 480
 atgtcgctgg cctggagggtt ggcgtccttg agggccttgc ggacgggttc aacagtgcgg 540
 ttgatcaggg gttcgacgag ggactcaagt tga 573

<210> 5333
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5333
 gtcctacaat ataataaaat gcgcactatg gcctgcctta gactcactca ggaaaatgtc 60
 attctcgctt ctttggttcc cgagtcgtct gctcaaccag gtaatttggc ctttcccctc 120
 ctccctgttt acttttcggg ctcttcttgt ggcactctac tgattgtggc atttcagcac 180
 ttggtttga 189

<210> 5334
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 5334
 gagcgcgttt ctttcagcc ccgtcgggtg aagacgttga gcagtgtctg tctgatgat 60
 atggaatctc tcggatatgt catgctctac ttctgccgtg gcactctccc ttggcagggg 120
 ttgaaggcgg ccaccaagaa gcaaaaatat gaccgcatca tggaaaagaa gatgaccag 180
 ccaccggagg tcctctgccg tggattcccc aacgagttct ccatctacct caactacact 240
 cgctccctgc gttttgatga caagcctgac tactcctacc tccgcaagat cttccgcgac 300
 ctgttcgtcc gcgagtccta ccagtacgat tacgtgtttg actggaccgt ctacaaatac 360
 cagaagaacg ctgccatgat tgcggatgct accaataaca agaaggacaa ggaggctgat 420
 ggccgcacaa atgcagctgg agctcaggcc cccatggcta ccaactgctac tgctgcaaaa 480
 cctggtgcta tctccagcca gcgtcgcaag gtccttgatc acaacacgct caacaacacc 540
 cctgacacca accgtgctat gggaggggagt gacaggatgt ga 582

<210> 5335
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 5335
 gcggctaaat tccattgtga tcagcgatac cagattctcc cagcattggt cctatccagt 60
 gttttccaag gctccacca cagttctggt tttgaaaatt ttattgagga actgctttac 120
 cattgtggaa gatggccaga gccaaagtct tctcttatta tggataatgc gtccttccat 180
 cactctacga cattagagaa aatttgtgcg gaagcagggg taagtctggt atacttgccc 240
 ccgtttccgc tggatctgaa tccgattcag gagctcttcg ccgaattaaa agcctttatg 300

aggcagtatt	ggcaagtcta	tgaagataat	ccctaccagg	gctttgattc	ttccttaa	360
ggtgcgtac	ttgggaaatg	gccaggacga	atacatcatg	gacagcgaat	gaagcttagc	420
aggtagcgag	tcgaagttaa	ctatgtgtcc	caaattctct	ga		462

<210> 5336

<211> 315

<212> DNA

<213> A.fumigatus

<400> 5336

agactcggat	tgtacctcct	ggaaaacatt	ggagtggatg	gtcagggcta	cagtggaggt	60
gctggcaagg	caattggcct	ctgggttctac	gaaacctggg	tctatacagt	aatcttgagc	120
gtcgtgtacg	ggatcgccgt	tggctgggtt	tctagagagc	ttcttcattg	ggccgaggag	180
aagcgttatg	ttgaccgcga	gagttttctc	gtctttgcta	tcgcacttgc	agtacgtttg	240
gcaccgctgc	acctcgaaac	accttccggt	gctgatcatg	tgtacagctc	tttgttctcg	300
gaacctgtgg	catga					315

<210> 5337

<211> 510

<212> DNA

<213> A.fumigatus

<400> 5337

cctgcttcgt	cgcaggaaac	gtcttcactc	aggagtaagt	tcccggcgag	agacccgagt	60
atgctttata	ctcacgcaaa	cagtgattgg	tttcgcctgg	aaacgatgga	tgactcgctc	120
caaccacta	ttgatatgct	tctcaacttg	gccgtattca	tgtggtttgg	tgctgtttgt	180
ccgtggctct	cgttcgtgaa	caacgacatc	attccaatct	accgccttat	atgcttgggt	240
attctgattt	tacttgttcg	cgggataccg	attatttttcg	ctatgcacaa	gtacattcat	300
caaatcgagc	atctctttca	ggctggcttt	gtgggggttct	tccgacccat	cggggtcgga	360
gccatcttct	acctgtcagt	gacccgtgaa	tatctgcgta	ccatcacggt	ggagggcaca	420
gtccgcgagg	atgcgagag	agtttctgaa	gccgttgacg	tggttgtctg	gtttctagtt	480
atatgcagca	tcgtaagttc	gcacccataa				510

<210> 5338

<211> 849

<212> DNA

<213> A.fumigatus

<400> 5338

ctgagttcga	tgctgactct	cctgtgccat	ttctcagtc	ttgggggtgga	gcgccccaa	60
agccgtctta	ctactgcaaa	aagcgagcca	aactgggctg	ttgtctctca	cacgggcccc	120
gcgaggaggt	tgctctgcc	aagttctcgt	cctgcttcac	aagaagggtga	gaagatcgac	180
gctctttatg	tttcatcgct	aagacaagtg	gacgaattgt	ttcgtgatat	gatgccgcac	240
tttgaaggct	gggagtctga	ggataactgg	atccgcgggg	aaaaagatgt	tctgaccctc	300
aggcgctca	cccatggcaa	cgcgccagac	gattattccc	cagcttatct	tgccggtttg	360
aaaaccttgc	tggaaggcat	attcaaagtg	gttaattcac	ttcgtacgac	tctctcgact	420
atcggtgcc	ttctcatcca	agatattgct	aagagatgcg	gtcctcggat	cgactccatg	480
gtcgaaatca	tgatgcagaa	tttgatcaaa	ctctgcagcg	gtatgaaaaa	gattagtgcc	540
caaaacggta	acgccacggt	cgatgctctg	atcgaaaatg	tcactttcac	cacgcgtatt	600
ctgcagcacg	tctccggagc	ttgtcaggat	aaaaatgtcc	agcttcgcct	ttttgcggcc	660
ggttggctca	aaaccttgat	caaaaagcaa	agtcaccata	agagttcgat	tgaacacggc	720
ggaggggttg	acatgatgga	gaaaagcgtt	aagaaatgcc	ttgccgacgc	caaccctggt	780
gtgagagagg	cgatgcgcag	tactttctgg	acgtattacc	gtgtgtggcc	caacagagcc	840
aatgagtaa						849

<210> 5339

<211> 216
 <212> DNA
 <213> A.fumigatus

<400> 5339
 cgaggggctc cgcacatctgac cgaatcgctt cgacttcgtg tggttggaga gctctccac 60
 cttgagattt tttcggaaat ctgcaatttc gtcaatgtca tcgctattct gcctttggcc 120
 ttgatccgct gtgctatcac aaaatacgag tattactcga ctcatcgag tcctccgacc 180
 gtcttgaaaa agagccagct tgtctgtcat acctag 216

<210> 5340
 <211> 666
 <212> DNA
 <213> A.fumigatus

<400> 5340
 cttcggatgt ctcatgtttc accgacatac cctgcccttc taccgggtgcc gtcgtccatt 60
 tcagacaata cgcctcaacta cgcagctcgt tatcgggtcga gagcacgagt acctgtcctg 120
 acatatacgc atcccatcaa caactgctcg attacgacaa gctcacaggc tctagtaggt 180
 gtacggcaga accgaagcat ccaggatgaa aagctattgg cagcaatatt ctcaacgtcc 240
 cgtacagaca ggccactggc gaatttcaca ccaccacata tagaaaatga ctcatcgagc 300
 tctacgcaag gtgacgtctc atcgggtcag atgctgactg acttgacaaa cgccgaggaa 360
 ttggaagacg aaatgctgga gtcgttcctg gggaatccag aggaaagacc tcagatttat 420
 ggtgctcagc agcataacct aattgttgat gcacggccga cagtcaatgc atttgctatg 480
 caagccgttg gtctagggtc agagaatatg gacaattaca aatttgctac gaaggcttac 540
 ctccgcttg acaacattca tgtcatgcgg gaaccgctca ataagggtgt tgatgctctt 600
 aaagaatctg atgttcaccc gttaggacct aatagggatc tactgggccc caagtgggat 660
 ggctga 666

<210> 5341
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 5341
 atgtcagaaa tgaatcggtg gtataaagtc tgggaaggcgt cgaaatgtct tattctttta 60
 ctccataaca ctctttttcc gtcccttttt gtgactttcc tgctcccata ccttaaagggt 120
 gtcttagcgg aacaccttgt tcaagaagta tgcggcatct tcgtccctct ttttgcattc 180
 tcttttctta tattcccta cattccgttt tatctgaagg atattccctt gcgactcgac 240
 aaaatcttgt accgaagg 258

<210> 5342
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 5342
 ttcggttcgg ggcgggattg gcgtttagt atgggatatc tactgttgaa tgcattgcga 60
 aggggacctt cttggagatt gaaactgatt aaggtaacgg atgctcatat ttctgagggg 120
 ttcttgagg gccgtcttat gtgtacgttg tatcccgatg ccggcgcgca tgccctccat 180
 ggtaccgctc tctag 195

<210> 5343
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 5343
 gctgaaaagg ctacgggtcc acttggccgg ctgtctcccg ggccgggtcc ggtcggtgaa 60
 aacagagaga ccgggacgag tgcctactta atcctcctag aagatcttca ttcagggtca 120
 aatagagaga gccaaagacga gggatgccgt cgggtggcgtg gcttgggaac ggggatcctt 180
 tttggtcacg tgcccaccgg tctgctttta ttccttcgta tacattaa 228

<210> 5344
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 5344
 cacttcaatg cctacatcag cggcgtgccc ttgactaata cccccctccc ccttaccctt 60
 gccctgccc ctgcccattg cctgtcttc tccccccct tatctcccc ttcttatccc 120
 ccctctagtc ttgcccagtc cacatatata actatcacca gaagtcctcc agctaggaaac 180
 aatactgcc tgaagaaaac atatagtaat actaagactg ataggtagc tacaaagctg 240
 ccacctcctg ataactaa 258

<210> 5345
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 5345
 agcgcggacg atctcagctc tcacggcgac tgggtcaagg atatcaacga ggtcgcacgc 60
 accaccgttc agttcccat cattgccgat cccgagcgca aggtcgcctt cctctacgac 120
 atgatcgatc aacgcgacct ggacaacatc gccgagaagg gcattccttt caccatccgt 180
 gcggttttca tcatcgatcc cgcgaagaag atccgtctga caatgctcta cctgcttcc 240
 actggtcgtg actccgccga ggtcctgcgt gtgattgacg ctctgcaggc agcagacaag 300
 aaaggcattg ctaccccat cgactggacc gttggcgaag atgtcattgt tccgccctcc 360
 gtctcgaccg aggacgctaa gaagaagttt ggcaatgtgc gagaggtcaa gccctacctg 420
 cgctacacca agttctag 438

<210> 5346
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 5346
 tttagcacct tgcttccata catacatata tacatacata catacatata tacatacata 60
 catacatata tacatacata catacatata tccatacatc catggtcaac caaggacata 120
 ggtagatgga agaaatgttc tgcctcaggc atgcacgcca ttccgagtgg gtttcccaat 180
 atggtttagc cctggtactg ccgtgcccct ccgatgttgt tgcgtcagtc gagcaccgac 240
 aaaagccatc gaaggtagac tctcgtttcc gccctcaatt ga 282

<210> 5347
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 5347
 catatcgtac gtattgtagc tccgaacttc aaggctcaga ccaccacgg cgagattgat 60
 ttccacgagt tcatcggaga cagctggacc attctcttct ctcatccgc cgacttcacc 120
 ccagtatgca cgaccgaact cgggtgccttt gccaaagtga aggggtgaatt tgacaagagg 180
 ggtgtgaaga tgatcggctc ggtgggtagt cctctcagtt ga 222

<210> 5348
 <211> 201
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (27)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5348
 attgatgccg acgtttttcag atgccgnact tcaccatggc gggagtttag ctctgatact 60
 tcagacggac ttctgaccaa caaggcaacg cctgcccctg aaaacaagca ttttacctct 120
 cccgtcggta gtcaatctac atcaaagcgg agcatcatat cccccaacc cacttttctt 180
 tactgtaatt gtcttatgta a 201

<210> 5349
 <211> 861
 <212> DNA
 <213> A.fumigatus

<400> 5349
 cacaagcata ctaattgtgg aacgccaatg gtgcgaggaa ttggtaacat cggtcgaatc 60
 tacagttttg agctgttgct actcgatgga gccgaaaagg gacctatcgt cagtaccagt 120
 aaaccgagca cattgctgtg ccagtatggc agagctgagg cagtgccaat gcaaggctac 180
 ttgacatat cagctgcata taacggaaat cttattgttg ttacagatat actggatccc 240
 atgtatcgac cggcatcggg cggagcccat ctagaacttg gtgtagcgca ggtagggctt 300
 gacctctcgc acattgccaa acttcttctt agcgtcctcg gtcgagacgg agggcggaa 360
 aatgacatct togccaacgg tccagtcgat gggggtagca atgcctttct tgtctgctgc 420
 ctgcagagcg tcaatcacac gcaggacctc ggcggagtta cgaccagtgg aagcagggtg 480
 gagcattgtc agacggatct tcttcgctgg atcgatgatg aaaaccgcac ggatgggtgaa 540
 aggaatgcc tctctcggga tgttgtccag gtcgcgttga tcgatcatgt cgtagaggaa 600
 ggcgaccttg cgctcgggat cggcaatgat ggggaactga acggtggctg atgcgacctc 660
 gttgatatcc ttgacctcag cgccgtgaga gctgagatcg tccgcgctct atacatcatc 720
 aatgagtatg gtacctgat tcaactgaga ggactacca ccagaccgat catcttcaca 780
 cccctcttgt caaattcacc cttcagcttg gcaaaggcac cgagttcggg cgtgcatact 840
 ggggtgaagt cggcgggatg a 861

<210> 5350
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 5350
 gtatggtacc atgattcaac tgagaggact acccaccaga ccgatcatct tcacaccctt 60
 cttgtcaaat tcaccttca gcttggaaca ggcaccgagt tcggtcgtgc atactggggg 120
 gaagtcggcg ggatgagaga agagaatggt ccagctgtct ccgatgaact cgtggaaatc 180
 aatctcgccg tgggtgggtc gagccttgaa gttcggagct acaatacgta cgatatgtta 240
 gcagaatgtt tacaaccaa ggaaagaaga gaataa 276

<210> 5351
 <211> 1041
 <212> DNA
 <213> A.fumigatus

<400> 5351

gtagctcatc	ttcccactgt	gaaaggcttg	ggggcaccaa	tatcgtttac	tcccgtgcc	60
ccggcatcac	caacaaaggg	atctccacga	cggcgtaaag	tgggtgccgg	aaggaagagt	120
gtcagtttct	cgccgaagaa	gacacaggca	aaaacaacga	agagaagtgt	ccgctggaag	180
gacgacgagc	aagatggtgc	cttgacggag	tatcaaaaga	cacctcaaaa	accacttact	240
gagactatcc	ctgaagaacc	tcccagcgag	gagccccaac	tgccccgagc	ctctccaatc	300
ccacgtggaa	tccctgtgcc	cagccgaaac	atcagtcctt	ctggctcctc	tcccatcccg	360
cctccttcca	atgaaccaac	gctgcacgtt	caaaagaaca	atcgatttaa	agcgggattt	420
ctgtcaaaga	aggccggcag	ctcgctgtg	gggcccgcctc	caacctccac	tctcccgctc	480
tctgacaatg	agaattcacc	tttgcgagat	attgaaaaca	gcagtttcct	gaatcgcagc	540
tctatggacc	gtccgtctcg	aatcgagtt	cgaacatcca	gcggaagcta	ctccagtagc	600
ccactgcccg	acagtaggga	tagctggaag	gctagcaaag	atgatgccat	aaagatcact	660
tcagctatga	ggcgaatttc	tggcggacaa	tttggtctcg	ctgcctctac	caactccctc	720
cgcatacaacc	gccggcgcag	cccgcacatc	gcaacatatg	gaagctctcc	aagcgaaaac	780
acaatgttta	ccgcgtcgca	ggccaggcgg	atggtcaaaa	gtgagaagga	gcttgatccc	840
aagcctaggg	ttttgagtc	tcgaactctc	ccaattatga	aaagcacaag	tcatagacga	900
accacattcg	gtggtgacat	tccgccccga	gatatcagtc	ttactagcag	agacgctata	960
aggcttagta	ctatggccgc	tccaagtatc	gagcgacccc	cggagactct	ctaccccagc	1020
tctggagcag	gctggaggta	g				1041

<210> 5352

<211> 918

<212> DNA

<213> A.fumigatus

<400> 5352

gggctaacat	tctgcgtctg	ccgcatacgca	ctatactttg	tttgtcgcgc	ctcggttttc	60
tcttccagtg	tcaccaccag	gatccaaatc	tgcaccatga	ccagaatacg	tccagactat	120
gatgccatcg	tcattggcgc	aggcttcagt	ggtgtgcgat	ctctctggga	gctccgacga	180
ctggggttga	cagcaagggtg	cttcgacgcc	gggtcagatg	tagggggcac	ctggtggtgg	240
aatcgctatc	ctggatgtcg	gactgatggc	gaggcttggg	tatacgcttt	gaagttcctg	300
cccagagctgt	tggaagaatg	ggactttacc	gagcgctatc	ccccgcaaga	ggagattcaa	360
tggtaacctaa	gtcgggtcct	tgaccgttac	gacctacgca	aggacatcga	gttcaacacc	420
gaagtcaagt	cagcccacta	cagcgatcat	gatagtatct	ggaagatcac	tacggcgagt	480
gggaaagtgg	tctactgcgcg	atactttctc	cctgctacgg	gtatcacctc	gattcccaag	540
gagccgccct	ttccggggct	ccagtcgttc	aaaggggagg	tatatcaaac	ttcgacgtgg	600
ccagcccacg	agatcgaatt	tgagaacaag	cgaattgggtg	taattggcac	gggctcgacc	660
ggaatccaag	tcatcaccaa	gctggctcca	gttgccgaac	agctgattgt	ttttcaacgg	720
acgccaaact	acgttatccc	cgcgcaaaac	tatcctctcg	acgagaaaaa	aagggaagat	780
atcaagaaaa	cgtttgatgc	tacctgggat	attgccaaac	gaaacttggc	cggccacgcg	840
gtgaagcatt	cagggcgcat	ggtcgcgagt	gctggcgggc	ccgaagagat	ccaacgagta	900
ttcgaagatg	gctgggcg					918

<210> 5353

<211> 318

<212> DNA

<213> A.fumigatus

<400> 5353

ggactttcag	ttgcaacctg	tgacagtcct	atgatggcct	cgttattcgg	ctcgaacaat	60
gacggctccc	aactgggaac	agccctgctc	cgcatactccc	cactgatcat	atcgctccgca	120
tccttgatgt	tcagctggtc	gcaggacatc	tctcttgggg	cattcttaca	cccctcctta	180
cggcacgacg	cagcccaccc	gagtggaag	ctcctccctc	gtacactgcc	cgctttcatg	240
agtccctggga	tctggggaat	cggcctgacg	tacccccctg	ccgtcttcta	ccacggggcc	300
ggaaggacac	gcgcattg					318

<210> 5354
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 5354
 ggaacaaata cgctccccag accatattcg ccaacatggg cagccctcat gtcacgtttt 60
 cccactccc tgggtgataa tcagccgttc cacaaaatcc tgtggcatgc aggactggtc 120
 tcctctaaaa gtgaaggcca tcgcatcgtc gccataaagg gcgcatatgt gggaaagtcgc 180
 ccaggcgaca gtggggcccat gtctgatgat ctacggttca cgccattga gacttggctc 240
 ccagaaaaga cgcaagagtt catcatcaac ggggacctct tgctcctgaa gctcggtaaa 300
 tggaaagtcc ggatggtaag gatcgtcagc gatgaagagt tcaaagagcg cggacttact 360
 gtcctgggtt gggagctgga gaagtcggaa tcagaatcgg ctgctgaaaa ggcaacggag 420
 acgaagtcag catga 435

<210> 5355
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 5355
 ccaaggaccc tcgaaactca cagatctgat gtacacttct ggcattgcagg ttgcattggc 60
 ccaatgatcg tcgagggcga tcacatcctg ggtcacgagt cggctgggtca agtgattgcg 120
 gtcgctcccg atgtcacctc cctcaaaccc ggcgatcgctg ttgctatcga gcccaatatt 180
 ccttgccacg cttgcgagcc ctgtctgact ggacgctaca acggctgctt gaatgttgcc 240
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 tgggtgccaca agatcggcga catgagcttc gaggatggcg ccctgctgga acccctcagt 360
 gtatctcttg cggccattga gcgcagcgga ctccgtctgg gcgatccctg cttgattacc 420
 ggcgctggtc ctattgggtct gatcactctg ctccagcgca aagctgccgg tgccaccccg 480
 ctgctcatta cggatattga cgaaggacgt ctgcagttcg ccaagtctct tgttcccgaa 540
 gtgcgcacct acaag 555

<210> 5356
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 5356
 acctcttctc attggtttgt ccagttccatc taccacgagt cggatatcat ggctaccgca 60
 accacaactg tgctcgagaa gcccaacatt ggtgtctaca ccaaccccaa gcacgatctg 120
 tggatcgtag aatcaacacc aacgttggag gatgtcaaga gcggcaatgg actgaagcct 180
 ggtgaagtca caattgaggt tcgcagcaca ggtatttgcg ggtatgttct tcgtattcct 240
 tgtgtgcgctc cgtttgtctc gtgtcgtacg gtagtag 276

<210> 5357
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 5357
 tggctgaatt tgagaacgct ggcgggtcctg ggcgcaatga ccagtctgac gacgaagggg 60
 acgagaagat ttacaacccc actcaagctt cccttggcat gggacggcaa gcctattcct 120
 tactggctgt ataagctgca cggctctgggc gtgcagatgc cgtgcgagat ttgcggaaac 180
 tttgtctaca tgggtcgccg cgctttcgac aagcactttt cggaagcctt acatatcttc 240
 ggcttgaagt gtctgggaat cacatcgaat actaatctct tccgagaaat taccggatt 300
 gaagacgcaa tcaagctgtg ggagaagctt gagcaggatc gaaagaagga acgggagctc 360

cgtgagaacg	tggtgcagat	ggaggatgcc	gagggtaatg	tgatgccaga	aaggatctac	420
ctcgagtacg	tttctctttt	ccttacaaag	ccaaacgatg	ctaacttgct	acagtcttca	480
aaagcagggg	attctgtgat	ccttctgctc	agtgtgcctt	tccttccttg	ctttgggtccg	540
tttagagtaa	aagcctggag	ttaa				564

<210> 5358

<211> 942

<212> DNA

<213> *A.fumigatus*

<400> 5358

cgcggtacct	tccagcccgg	gcctgaagat	ccaaatgagc	ctggtgaaaa	tcttgagaga	60
gcctacaagc	gccgtcaacc	tggtgagggc	gaaccgacgg	gcgtggaaat	tgacacaatg	120
ttctccggcg	aagaggccta	cgggcagttc	ctggacctca	caacattaca	cgaagactat	180
ctgaaccttc	ctggagttaa	gcggcttaca	tacatccaat	acctcgacgt	gttcgactca	240
ttcgtacccc	cgcattctct	tatcaagcga	gcgaataaga	tatcggacaa	gtatttcaag	300
tatgtcggag	agcttgctgg	ctacttggaa	agctttatca	aacgcacaaa	gcctttgcag	360
gatctcgaca	aactcttcgc	aagctttgat	gagaacttcg	agaagcaatg	ggcagcaaac	420
caagtgcctg	gatggacaga	ggagaacggt	gtgtaaccgat	ctcaggctcc	aaaaacacaa	480
ggctcagggg	aaggcatctg	gtgtaccgat	tgtgaaagag	aattcaagaa	cgaaaacggt	540
tacaagaatc	acttgactgg	caagaaacac	attcggggcg	cgaagctcg	caaagctgta	600
ggtgactcgg	gcgcgggtgc	accgccgtca	gttgggtggcg	ttacctctgt	ggcccaccgt	660
ctgaaagaac	gcgcagttgc	tgagcgcgag	caccgggttc	gctcttttagc	caaggtcctc	720
gactctgaac	ggcaggcaac	ccgtatcaac	gttgagcggg	gacagggcat	gactgagcgc	780
gagcggcaga	tggagctgga	ggctttgatg	gctgaatttg	agaacgctgg	cggtcctggg	840
cgcaatgacc	agtctgacga	cgaaggggac	gagaagattt	acaacccac	tcaagcttcc	900
cttggcatgg	gacggcaagc	ctattcctta	ctggctgtat	aa		942

<210> 5359

<211> 384

<212> DNA

<213> *A.fumigatus*

<400> 5359

gtctacctga	gtctacctga	ctcgaccttt	caaagggtcat	ggcaagcgaa	tctaacgcta	60
tcacagaacg	cagctatctc	taatgcaccc	cgcactcatt	cacaccctgg	tcctactaga	120
cccagtcatc	caacgccaaa	ccaccagct	cgagccacga	cccctgtcca	aggaccagtt	180
catcattgcc	aaaacgaccc	aactctccac	ctaccgccga	gacaaatggc	cgtcccgcga	240
agccgctgca	gaagccttca	agaagaaccc	cttctaccaa	acctgggacc	cccgcgtcct	300
cgaccgctgg	atcaaatacg	gtctccgaga	cctcccaacc	gccgtccacc	cgctagacga	360
cggtgcagct	tctcaaggca	atga				384

<210> 5360

<211> 888

<212> DNA

<213> *A.fumigatus*

<400> 5360

cgctatcaca	gaacgcagct	atctctaattg	cacccccgac	tcattcacac	cctggctcta	60
ctagaccag	tcattccaacg	ccaaaccacc	cagctcgagc	cacgacccct	gtccaaggac	120
cagttcatca	ttgccaaaac	gacccaactc	tccacctacc	gccgagacaa	atggcgtcc	180
cgcaaagccg	ctgcagaagc	cttcaagaag	aaccccttct	accaaacctg	ggacccccgc	240
gtcctcgacc	gctggatcaa	atacgggtctc	cgagacctcc	caaccgcgt	ccacccgcta	300
gacgacggg	cagctttctca	aggcaatgac	cgaccagtca	cgctcacaac	gactctccac	360
caggaggtct	tcaccttttc	ccggcccaac	tacgacgggc	cccctggcaa	gaacgtccc	420
attaaccggg	taacgcattcc	cgatctgaac	cccaagcacg	ttggctcatt	tcctttctat	480

cggccggaac	catctcgtat	ctttgctcag	cttgagcacc	tccgcccag	cgtgttgat	540
atcttcgccg	gcaagtcgga	catgtgtctc	cggagatga	tggccgacaa	gatgaaaaat	600
acaggcacgg	ggctcggcgg	cagtggcggt	gcgccgaag	gacgtgtgcg	cgacgtatat	660
ctcaaaaaat	atggccactt	gctcgcgcag	gaagcgccca	gtgagtgtgg	cgaggcggcg	720
agccgatggc	tcggcaaaga	attggagcgg	tggaggcgcg	aggagcaagc	cttccgagag	780
cagtggagca	agaagtcgaa	gacgagaaaa	gcgactattg	attcacgggtg	gaaggaaacat	840
gttcctgcac	ctgtgagacc	caagaaggat	tccgaggcca	agttataa		888

<210> 5361

<211> 312

<212> DNA

<213> *A.fumigatus*

<400> 5361

cggattttgc	catagctcc	gcagatggcg	tcgggcggtc	gggcttcctt	ggggtctttt	60
cctcgagggc	catggttgg	ggtacgttta	gtgtatgaat	ctagtcctcg	gctttttgct	120
aacttctctt	gcaggcatgt	catgacgggt	attggagctt	acctatata	catttggggt	180
atctggctgc	gccattgcct	gaacggacgg	caagagggaat	acgagctgtg	gtggcctcat	240
ttctggaact	tcccggaaat	tgtccctgtc	agtactgact	cgggaagtgc	accggccaag	300
aagccaatct	ga					312

<210> 5362

<211> 603

<212> DNA

<213> *A.fumigatus*

<400> 5362

tcctattcca	ctcgactctc	aaatgcaagt	ccagtcacta	agaaggaaac	atgcgagatt	60
gctgactacc	tactagatcc	gatgcaatta	gttgatgagc	tctcgatgat	ctacacgaca	120
tgcttgatgt	gctatgcctc	attttcttac	tcacgacccc	tcggcttcgg	tattgttctc	180
gccgttgcat	tgacaagttt	ggccgtcttc	atcactcttt	actaccatta	cctccaggac	240
cccgtattcc	atcaaaatgc	gtatgcgctt	ttgacgatcg	tcgtcgtttt	gagaagcatg	300
tacaccatgg	aagtgacact	tcgaccctct	ttgoggcact	cgaccgagga	ggaccggctg	360
gctcgtcaga	agaaagatct	gcccgctgct	tccaagggaac	gacagcatta	cgaaaatgtc	420
agggacgtga	ggactctcaa	aacaatgtgg	ttcatgggtg	cctacggact	agcgatgttt	480
ctgggaggat	tcttcactctg	gactttggat	aaccgatttt	gccatacgtc	ccgcagatgg	540
cgtcgggcgg	tcgggcttcc	ttgggggtctt	ttcctcgagg	gccatgggtg	gtggtacgtt	600
tag						603

<210> 5363

<211> 198

<212> DNA

<213> *A.fumigatus*

<400> 5363

ataacttgta	ggttgcttca	ctggaataca	tcagagttca	tacagataat	agccagattc	60
gattcaaggg	gctgtgtcca	aggctcactt	accaattacg	ttagtggtag	attatatgat	120
tataacaact	atctagtgat	tttctataaa	aacatttgtc	taaatcacag	taatcccttc	180
gggattagtt	ggttgtag					198

<210> 5364

<211> 462

<212> DNA

<213> *A.fumigatus*

<400> 5364

ttattttaatg	cgagcactgt	catogaatcg	cgggctgcta	cccagcttgg	tgaaaacgtc	60
aaactgctca	catacgtgag	catattctat	ctcccgttag	gttactgcgc	tgctttatgg	120
agcatcaacc	gagatttcaa	cttagtgga	ttcaccatta	ccactgctct	tctggctctg	180
ggcacgtatg	ctctggtgtt	gaacctgaat	gatattgtgt	ttctgatcag	gaagacctac	240
cgaagctgc	gggtctcctat	attggaagca	atgaaaaacg	actcgcatga	acaatgggcc	300
gagttgggca	gcgctttcag	tgaattcatg	cgggagaggc	atgggtgatca	gccctccgag	360
tgggcaattc	tgctgtacgc	tgtgttgatg	gctacagaga	agttgaaatt	ctggaaacga	420
ggccactcca	atccgattga	tgacggactc	gaacgaaagt	ga		462

<210> 5365

<211> 468

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (452)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5365

cttgaccact	cccccccat	ctttcctact	acgggttttt	ggcctcaaca	acacccttat	60
atagctat	ttaccatgac	cgcagagcat	tctcccttaa	gcctgagcac	ggttctcgtg	120
accggtggca	gtggtggtct	tgccagcaag	atccttgagc	tcttctcaca	gcgtggctgc	180
aaacgtctcc	actcgattga	tattcggcag	ccatcccatc	ttcttcacgg	tgttacgtac	240
catctaggag	atcttacaga	tgttgatgcg	atgcgacaga	tctttcatga	ggtcaaacct	300
gacgttgtag	ttcacaccgc	cagtcctaga	ttcgacacgc	caaatacatat	catgtataaa	360
gtcaacgtgg	aaggcactaa	aaacttggtc	cagattgccc	aagagtctgg	agcacactcg	420
ttcgtctaca	cgagctcggc	gagcgttatc	ancgacggga	aagactga		468

<210> 5366

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5366

gggttgacaa	agtcggtggc	accgaacttg	cgagcccacg	cctccttgct	gtcgttgaca	60
tcgacagcaa	tgatcttgcc	cgccttggtc	ttgacagcac	cctggatgac	ggagagacca	120
acacagccag	caccgaagac	agccacgttc	gagccctcct	cgaccttggc	agtgacaacg	180
gccgcaccgt	ag					192

<210> 5367

<211> 318

<212> DNA

<213> A.fumigatus

<400> 5367

tcaccgggct	tcaccgaagt	gacaccctct	cctacagact	cgacaatacc	agcaccctcg	60
tgtccgagaa	tgacggggaa	ggcgccctcg	gggtcctttc	cagacagtgt	gtatgcatct	120
ggaggccgat	tagccgttgt	caccgtttct	gaagctttct	cccaaccaag	agataccaac	180
ctgtgtggca	gacaccggtg	tgacgaacct	ggatgcggac	ttcgtgcgcc	ttgggggggtg	240
caacctcaac	atcctcaatc	gagagaggct	cgcacgcgcc	ccatgcaacg	gcagcctgca	300
gttctcagta	tgatttag					318

<210> 5368

<211> 264

<212> DNA

<213> *A. fumigatus*

<400> 5368

ggttgcaccc	cccaaggcgc	acgaagtccg	catccagggt	ctgcacaccg	gtgtctgcc	60
cacagggttg	tatctcttgg	ttgggaagaa	gcttcagaaa	cggtgacaac	ggctaatacg	120
cctccagatg	catacacact	gtctggaaag	gaccccgagg	gcgccttccc	cgtcattctc	180
ggacacgagg	gtgtctggtat	tgtcagatct	gtaggagagg	gtgtcacttc	ggtgaagccc	240
ggtgactatg	tcattgctct	ttag				264

<210> 5369

<211> 450

<212> DNA

<213> *A. fumigatus*

<400> 5369

agcaccctcg	agtgccgtga	gtgcaagttc	tgcaagtccg	gcaagaccaa	cctctgcggc	60
aagatccgtg	ccacacaggg	caaggggtgtg	atgccggacg	ggacttcacg	gttcaaggcc	120
cgtggcaagg	acctgttgca	cttcacgggc	acttcacact	tctcccagta	caccgttggt	180
gctgatatct	ccgttgctgc	tgtcacaccc	aagatcccta	ctgaccgggc	ctgcctgctc	240
ggttgtggta	tcaccaccgg	ctacgggtgcg	gccgttggtca	ctgccaagggt	cgaggagggc	300
tcgaacgtgg	ctgtcttcgg	tgctggctgt	gttggtctct	ccgtcatcca	gggtgctgtc	360
aagaacaagg	cgggcaagat	cattgtctgtc	gatgtcaacg	acagcaagga	ggcgtgggct	420
cgcaagttcg	gtgccaccga	ctttgtcaac				450

<210> 5370

<211> 576

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (534)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5370

aaaatagttg	tggaacatg	tgctcacatt	ctgagtagtg	ttcttgtcat	cgggtgctgc	60
aactcgggca	agacctcctt	cttgaatttt	ctcaggaaat	ctttaactat	gccgccacac	120
aagcatccca	ttcgatctcc	agaagaagtc	gaagcatatg	aacgccactc	acctgctaac	180
gaaggcttca	cctctcacta	ccttgaaacc	gaaatagacg	gtgagcgtgt	gggtctgacc	240
ctgtgggact	cccagggact	ggagaagaat	atcgtggaca	ttcaactgcg	tggtgtcacc	300
ggatttcttg	agagcaaatt	cgaagagacc	ttgcgcgagg	agacgaaagt	gattcgatcc	360
cccggcttcc	gggatacaca	tatccattgc	actttcttgc	ttcttgatcc	tgtgcgtctg	420
gatgagaaca	ttgctgccgc	tgaacgcgct	gccaaggaa	cttctaaagc	agcagatacg	480
ccagtgattg	ggggtttgga	tgagttcctc	gatattcaag	ttctaaggac	tgtnttgggg	540
gaaaaccact	gttgttcctg	tcatcaacca	agctga			576

<210> 5371

<211> 1347

<212> DNA

<213> *A. fumigatus*

<400> 5371

tcccaccccg	caggatctta	tcgaattcaa	atcttttgga	agggcgatcc	cgggtgtgtg	60
gacaatttca	tcattcgttt	ccagaatgag	gacgtaatgc	gcaaatggta	caaggagatt	120
gacacgcagc	gagcgatcca	agcggagcaa	cgagtgccc	gaaacacagg	tacctccgaa	180
acggaattca	tgtacatgaa	gggcattgcg	aacatgccga	atccttatca	gcaagagtac	240

gacgctgaag	agcagagcac	caaggaagca	gcgttcttct	ccgagtttcc	aatgagccgt	300
aatgcttcca	gcacgagtct	tccaacccgg	tccgcaacgg	ggggaagcgg	gagctctgga	360
cctccactgt	cgtccggccg	gcaaatttgc	ttcccgcggg	accctagtct	gtccgtccac	420
acgcagttca	cgcccggtag	catgtcacct	gcggaagagga	atatgaactc	gtacttctcc	480
cctgtcgccg	agacaccgtc	gaccagatca	agttcccagt	ccactgggta	ctcgtatggg	540
cgccagggca	caccgtcgaa	caactggaat	gaggagccta	atcgctacac	cgctcctgca	600
ttgtctcgtg	gcgtatccag	agatgggacc	aacttcttca	acaacgcgcc	caatggccgg	660
ggtagctgac	cttcccttcc	gcctttggca	ggacaaacca	acgccaacgg	catggcgcaa	720
agaatgcgct	ccgctagcag	cccggacatt	caccatcaca	accccgaatc	gcgtcggtat	780
atgggagccc	acacgatgca	gaccgtagac	aacgttccgg	taccacccat	tcctgctcat	840
atggccagta	tgaaggcgcc	agtgaacaga	agccagaaca	attcgccctac	cggtataaat	900
cttccgattc	gcaacggcca	cagccagcaa	gcctcgaccc	atttccacga	gcctcaatat	960
tcagagtctc	gagccactgg	gcccgcgtcc	gatcaaccga	cgtctccact	gagccgtgag	1020
cccgcagaag	accctctcat	gccgacccag	ctcaaagcca	aggtcaactt	tgatgacaat	1080
tacgtgacct	tggtcattgc	cagtaatatc	atgttccgat	cgctcactga	tcgggtggat	1140
gccaaactgg	cccggttcac	caatcgatcc	attggcaata	agtcagttag	attgcgctac	1200
cgggacgaag	acggagactt	tgttacgatt	gacagcgacg	aggctgtcca	gctagccttc	1260
atggaatggc	gcgagcagca	cgggatattg	ctggcggaagg	gccaaagtagg	ggaaatacaa	1320
ctctactgcc	aagtgggtga	gaattag				1347

<210> 5372

<211> 909

<212> DNA

<213> A.fumigatus

<400> 5372

accaattgct	cttctaacag	cgaagcaaga	gcaacaacct	caatcgcaat	catggtgcac	60
gtcatgcgc	atcgcgatca	tcacgctgcg	cttctggagc	gaagtctcga	ggaaagagat	120
cccaagaatg	aagctgtgac	cattgtctac	gtgacagcag	ctcccacctt	tgacggtcct	180
atcggcggct	atgtaacggg	tgtagacccg	gcagaaacag	caacacggcc	aaaccagggg	240
gttggggctc	cccttggaca	cacacggcct	accaccaccg	aggaagtaac	aacgacggcc	300
cagccgaagc	caaaaacgac	aaaagagacg	aagcctacaa	tcaccgaagc	agaaccacg	360
accactcaac	gtaccaccaa	agcgaccaag	gcgatcacca	ccgacaacac	tgaggacatc	420
atcaccactc	cgaccacttt	ctccacggcc	acctctagct	cgacttcttc	gctgaccatc	480
ccaggtctgg	atactaccac	taccactacc	acctatggat	catcgtcttt	ggaaaagtcg	540
gcctcgccat	cggcctctcc	agttgctgcc	ggttcgagct	cgggacttac	cgggggtgct	600
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ttcgtcatgc	gcaagaggaa	gcaagggcaa	cagatggcag	aggccgaggc	aatcaaggag	720
aaatcccatg	aagccgataa	tatgcttccc	cctggccctc	cgccaaaacc	ccaaccgatg	780
actccagctg	aacctcctca	gctcaatgtc	cgcctgtca	ctcagtttgc	accagatctg	840
acccctatgg	gcacactggg	tgctggcggg	gctgggggtc	ttcaccagac	ggctggaaaa	900
tcatacgtc						909

<210> 5373

<211> 717

<212> DNA

<213> A.fumigatus

<400> 5373

gcgtccaatt	cgctcaacaa	cggccccctc	aaatcaacct	ttggagccaa	cgttgctcga	60
cgacgttggg	gcagtatcta	tatgatctca	gatacctatg	agaatgctaa	attctcctca	120
accacagggtg	gaaagtctcc	gatagcgttg	ggaaagcctt	ccaccatgtc	gtggaacttg	180
tccaccgata	cctctacaga	ggcaacctct	cgtcctcccc	tagcctcaca	acagtccaat	240
tcccttctct	ccactccata	tcaacatacg	cgcaaccttt	cattccactc	gaggacgcct	300
tccccccctc	acggaaacac	gtcgccacgc	tgcacccatt	ccgagtcaat	acactttcct	360
ccgtcgttac	gaaagccgtt	cgcagggttg	aaatatgaaa	cggcaatggc	ctttttccga	420

cggaggatgc	cttataacaat	aggtgctgat	ctgttaccgg	aggaaaagga	aggtctcaaa	480
gagcggcttg	aagcagagga	ggaggagaga	ctgactaagg	atatgttgga	ggtatatgat	540
cgttttattac	catcagcggg	gagcgacgac	cgacggcgtc	agctggttcg	aaagttggag	600
aaactcttca	atgatcagtg	gccaggtcac	gatattaagg	ttcatgtctt	cgggtcgtcg	660
gggaacaagc	tctgctcaag	cgattcagac	ggtgagtggg	catggtgcag	agcctga	717

<210> 5374

<211> 384

<212> DNA

<213> A.fumigatus

<400> 5374

tgttgtgctc	atttcgcctc	cactctgggtg	taccttaccg	aagccccggc	gcttggaag	60
atatctacgg	tcaccgcaaa	cacgggtgta	attcgttcat	caaggatccc	gagttctata	120
accccagccc	gaacgggtgg	catatactta	cagctgggtga	cgccgatcac	gccaggcagc	180
ggcgccgatt	gtcgcgatgca	atctccgaga	aaaacggtga	gagaacagga	gtcgcctcgt	240
ctgcattacg	tgcgtcttct	cgctcgagaaa	ctacgtgctg	aatgcgcagc	tgcgcgaagc	300
acggctcgata	tgatgaagtg	gtacaattac	accacctttg	atatttttgt	cgatatcgcc	360
cacgacggag	caaagcaaac	gcgt				384

<210> 5375

<211> 360

<212> DNA

<213> A.fumigatus

<400> 5375

gtgcaccta	ccacaaactg	cctgactgga	cagcgctcctg	ctgagcaggc	cacgagtaga	60
atagctgggtg	gcagttctgc	ttggggcagg	tatctacaat	atctagttat	ctacctacag	120
ccgctaagga	aatctcctgg	ccccaaagctc	gtggcatgct	cgaatatatg	ctacatctgg	180
tggacattct	caggggaaat	acatgccaaag	ctaaaggaac	tgcattgatca	gtatgggtgat	240
gttgtgcgca	tttcgcctcc	actctgggtg	accttaccga	agccccggcg	cttggaaaga	300
tatctacggg	caccgcaaac	acgggtgtcaa	ttcggttcac	aaggatccc	agttctataa	360

<210> 5376

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5376

cctggccgca	agcaccgccg	tcgtgaggcc	cgtctcgcta	aggccgccgc	tgttgctcct	60
cgtccgggtg	acaagctgcg	tcccgttggtg	cgtcgcccta	ccgtcaagta	caaccgccgt	120
gtccgtgtcg	gccgtggctt	cacccttgct	gagctgaagg	taaattcatc	ctcacttttc	180
gtcccacaat	ag					192

<210> 5377

<211> 438

<212> DNA

<213> A.fumigatus

<400> 5377

gaagctggta	tccccaaaga	gctcgctcgc	actgtcggta	tcgccgttga	ccaccgccgc	60
gtcaactact	ccaaggagtc	gctcgttgcc	aatgtcgcgc	gtctcaagga	ctacaaggct	120
cgctgatcc	tcttcccccg	caagagcggt	cagttcaaga	agcttgactc	atccgccgac	180
gaggtcaacg	ccgccaaagg	tgttttcgcc	gctgagggga	agactgaggg	ttacgccacc	240
aagctggggc	ctaccttccc	cgtaagaac	atctccgcgc	ctgaggccgt	tactgaggtc	300
aagcgcgatg	agctgcccaa	ggcggaagag	gccgcttacc	gccgcctgcg	ggaggcccgc	360

agcgaggccc gctacaaggg catccgggag aagcgtgcc aaggccaaggc tgaagaggag 420
tctgctgcta aaaaataa 438

<210> 5378
<211> 204
<212> DNA
<213> A.fumigatus

<400> 5378
tgtaaacctt acttttctct ccttctttca ccagatgcgg gccacaccat cgtccatgag 60
aacatcactt atgacttcca cattcttccc tctggattgg tgtctccgtc ctgtgtcaac 120
ctcattggcg ctggaactgt cgtgcacgtc cccagcttct tcaaggagct ggctcgttg 180
gaagagaagg ggctgaagga tgcc 204

<210> 5379
<211> 183
<212> DNA
<213> A.fumigatus

<400> 5379
aaggtagggt ggatttatat atataatatt agtaagtata aggtatatac ctacttccct 60
ataacagcaa taattttaaa cagcctatta tatttattat taagtttctt atatagacac 120
tatattctca agttttttta taagagtagc accttttctc taacagaaaa taagatatcc 180
tag 183

<210> 5380
<211> 441
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (346)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5380
ctactacaca cagccctcta cctctacgcc cggcacgagt catccaccca cagcaccacc 60
gcttactgca cagactgcct gccctacccc atgagtgtgg accccaaaat ccggcaccgc 120
gaagaaggcc gggccgaaaa catccgcacc aacaagcagt ccttccgcta tgccgttgac 180
ttgacatttc gggggccggt tgttcgttcc aataaccogg gttctggact ttccggagac 240
gaattcctgg ggggaatgcg ggaaaaaata ttccggtttg cgggtgggggg gacccttac 300
caatgccttg tttgggggga ttgggacctt ggtttaatta ggttgnccac gcccttatta 360
accaaaccba tttggagttt tgggttggtc ttttcggaat tttcctcacc tctgaacccc 420
gacattggct ccggccttta c 441

<210> 5381
<211> 201
<212> DNA
<213> A.fumigatus

<400> 5381
cgtcatatcg gcagcacgag tccggcagagg gtgcagcaag tgcggaatc ttggaaggaa 60
gggcaaaatg tcgcttggat ggcgtctgtg gctcaatttg ccgatctcaa ggacctgtat 120
gttaggagtg gcacctctc caacaccttc tctaacaatg ataccgcgag ttcggaacc 180
atcctattaa aatttcagta a 201

<210> 5382

<211> 1680

<212> DNA

<213> *A.fumigatus*

<400> 5382

```

aaggcgattt acacatctcc tatcaaagca ctgagcaatc aaaaattcag agacttcaga      60
actgagtttg atgacgtcgg gattcttacc ggagatgtcc aaatcaaccc ggaggctagc     120
tgcttgatca tgactaccga gatcttgagg agtatgtctc accgaggcgc ggatctgata     180
agagatgttg aattttgtgat ctttgacgag gtgcactatg tgaatgatct cgagcgaggt     240
gttggtttggg aggaggtcat catcatgctt cgggagcatg tcaactctcat tctgctctct     300
gctacagtcc ccaataccta tgaatttgcc tcctgggttg gtcgtacgaa gaagaaggat     360
atctacgtca tatcgaccgc caaacggcct gtcccaactgg agcactatct ctgggcaggt     420
aaagacaagt acaagattgt cgactcgaac aagcgctttc tcgagactgg ctggaaagaa     480
gcagacaacg tcatctccgg cagagacaaa ataaaagcac aaaaggcggc cgaagctcaa     540
gctcagtctc aagcacagcg cggaggacaa caaggcagag gccgtgggca gcctactggt     600
agaggagctc ctctgtgaaa cgctcagcgg ggcgggtgctc ctctgtggcag aggccagcct     660
gctaacaggg gcaactggca tatcgccgtg acgggacggg gtggaggacg cacaacggct     720
gctcaggata agacaatctg ggtacagctc gtggggcacc tccgaaaaga gaacttgctc     780
ccaggctgca tcttcgtttt ctcgaaaaaa agatgtgaag agaatgcaga ctcaactgtcc     840
aatcaggatt tctgcaatgc ttccgagaag agtttgattc atatgttcat cgagaagtcc     900
ctgacacgac tcaagccaga agacagaatt ctgccacaaa ttcttcggct gcgggagctg     960
ctaagcagag gtatcgctgt tcaccatggt ggtcttctgc caatcatgaa agaaattgtg    1020
gaaattttgt tcgcaaaatc gttggtcaag attcttttcg ctaccgagac ttttgcatg    1080
gggtctcaatc tgcccacacg gacggctcgtt ttctctgggt tccgcaagca cgacggtagg    1140
ggcttttagag atctcttgcc aggcgagtat actcagatgg caggacgtgc aggacggaga    1200
ggctcttgaca ctgttgagata cgctcatcatc gtgagcgctg gtagagacga ggcacctcct    1260
gcggggtgctt tgagaaagat gatccttggg gaccgacaaa aactccgggt ccagttcagg    1320
ctcaacttaca atatgattct gaatctcttg cgtgtggaag ctctgaagat cgaagagatg    1380
atcaagcgaa gtttcagtga gaatgccact caggctctgc tgccggagca tgagaaacag    1440
gtacagcttt ctgaagcaag tctggcgaag ataaaacgag aaccttgcca tatctgcgat    1500
attgacctgg tagcctgcca tgatgcagct atcgagtatg agaagctaac gagcgaactt    1560
cacgttggtc tgcttgccct tcctgtaggg aagcgtcttt tcatgccaaa gcggcttgg    1620
gtgtatcgaa aggttagtcg gacgggtggat gttattgcct tctgttctca aatttactga    1680

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<210> 5383

<211> 189

<212> DNA

<213> *A.fumigatus*

<400> 5383

```

gttccggggt ctcatactcc gctgcgaaaa gggccattta caggaagcca tctcctaacc      60
cagtcgacga gttccgctaa ctaccttacc tcttgcaagt caattcacca gagatcacga     120
catgttagct cattcatcaa gctggatgtc acaagcttat tccagctttg cagtgtgacc     180
aagcaatga                                     189

```

<210> 5384

<211> 243

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (137)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5384
 gtttagcttct catttacggc tgcgcttgct caggaggaag ctgcgcaaat tcgtgaactt 60
 gtgtttaagt gcatcatttc atatctctat aacaatagtt caaagcaaga cgaatgcacc 120
 gaggggaagtt gggatancat tgggtggttt gaactgaaga tccgattact ctttattgac 180
 cctaaccacg ctatccattt caggactacc gccgcctctc cgaatccttc catctgcaac 240
 tcc 243

<210> 5385
 <211> 756
 <212> DNA
 <213> A.fumigatus

<400> 5385
 tcgatcgcca cgtcgaggaa cgacgatctg gtttttttgg gcaattttct ctccactttt 60
 tccgattggt ctatgacagg ttattttctcc gcgattcaaa agcagctggc cctgtactc 120
 atccgcaagg atgctcaaat cgaagttgcc cagctgctgg tcgaacaggt cagcgactcc 180
 tgccttgatc ataaagtcca tggcatcttg aacgtctcag aatttgagag taaagcatac 240
 tctctacgaa catttctcga ggatacagcc ttcattgggtg agattgagag acttgacttg 300
 aatggcttcg tgtcactgca ggagaacagt ggcctatccc ctccgttaac agctactatg 360
 tcgcgtcagt catctcaacg caaggaaaat ggaaaaagct cgatattgaa gctcgccccg 420
 ccacatttgc gtattcgctg cggtaaagat tacctagaag ttctgcggcc cgccatttca 480
 ttctgggaga cattcggtct ggaacctgcc tacgggtcga aggacatcta cgcttattgt 540
 atccaccctc agactgcagc tgaagcggca aatgattttc tcgagcggct aggcctgcta 600
 tattcgagct gcaaccttgg tcagcataca cgagctagca ggtcgactgg cttcgaccgt 660
 ggaatgtgtt cttggaacat cggcgcaact ggcgaattta attatcata tataatgcaa 720
 tcaactgaaat caatatgcga caagctaggt atgtga 756

<210> 5386
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5386
 ttcgcgacta accctccttt agtgacggct cttttgaaaa gccaccgcac gagagatagc 60
 gttgtcgtct acataattaa tccattcagt cagccgcggc ctctagctga ctttgctcc 120
 gcattctatg acccttttca gaaatatatc gatgaagttg gaaatcagca cgccggtcaa 180
 gcaaagtga 189

<210> 5387
 <211> 711
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (677)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5387
 ccaattattc ctccagcaca ccagcacaca ccacttagag catcttctct aataatggca 60
 tcagtcgaat cccgaataat cgcaatcact ggcgcgctt cggcattgg tcggcgacc 120
 tgccgctgct tcgctgaacg tggcgctgct gttctgtgct tctgcgatat ctgcgccaag 180
 aattttgatg atctcaagat ttcaatcaag aaaattaatc catcgacaaa agtccactgc 240
 gctacagtcg atgtaacctc ctctgtggaa gttcggcaat ggatcgaggg catcatatct 300
 gatttcggag acctccatgg agccgtcaat gcagccggta tagctcaagg tgctggcatg 360
 cgaaataccc ccacgattgc agaggaggtg gacgaagagt ggacaaggat tatgaacact 420

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aacctgaatg gcgtgttcta ttgcacgcgc gaggaggtgc gtgccatgaa aggtctgcct 480
gctacagata gaagtattgt caacgttggc agtattgcga gcgtttctca catgccagac 540
gtgtatgcgt acggcacctc aaaaggaacc tgcgcctatt tctactcttg tgtagctgcg 600
gatgcatgtc ccttgggtat ccggatcaat aatgtctctc cagggtgggtc atctccttcc 660
ccttcttcgg catgganagc tgtcatatgg atcacaatac tctcttgta g 711

```

<210> 5388

<211> 600

<212> DNA

<213> A.fumigatus

<400> 5388

```

cttaggcttg caaagtacag tgtgggatct cagtaccage atctgttgat gttctactcc 60
gtctacgcgc ccaatttggg accttggccc aacgacaagc gagataatgt tctactgggtc 120
tgcggtatct gccctggagg cgagaacctg gagattagca tgaactacca acaaggagcg 180
aaatgcacag ttgcacgcgc tgcgtgaaacc attacaccgc cggccgggtac cgataaggac 240
cctttcaacc taaccgctga gaagaagatg atcgaggatc ttaaggccct ccagccaaac 300
ctgaacttca cttggtttta tcatcttcag cgggagggtc tgggtgccga agaggtggct 360
ctaaacaatg acgaaattat ctccaaagtc ccattcaaga atcagagact ccatgggctc 420
gatctgagtg aaggagcatt catgttgaag tctacttca tgctgcgat tcgctccgcc 480
atcactgggg ttgagaacac acagatcatg ttcgaatcta tccgaaagct gaatctcaag 540
aatgccaaact ttatctccgc tctgaggtct tcaccacggg gctgggagaa gaagctccat 600

```

<210> 5389

<211> 750

<212> DNA

<213> A.fumigatus

<400> 5389

```

gcccgtttcg accaatgggc cgaggccagc atggagaaag atgatgattt gatcgcagag 60
ctcaaagccc ccgaagacct tgtctttgcc gacggattac aagaccaaac cgcgacattc 120
aacctgtccc ttctgtccgt tgaccacgtc gatgtgtgtg ttgagaatct atccctccag 180
gttgatacga cgcgtccaat atggaagacc tcgcccgcgc agttatggaa tcggctctgc 240
gggaagacga tggacaccca cacacataaa actgtcctcg acagcgtcaa cgcattcatg 300
cctagtggga gtcttacggc gattatcggt agcagtgggt ctggaaagac atcgctgctc 360
aacatcatgg ctggtcggat gagcttgacc aaggcgaaag tctccggggc gaccaccttc 420
aacggagttg cgggcattga ggggattcgc agcgcataatg taatgcagga ggatgtgcta 480
attcccaccc tgacggttcg agagactctg cggtatgcgg cggatctgcg attgccatcg 540
ccagcgacgc aagaggagcg ccatcaggtt gtcgagcagg tggatttggg gctggggctg 600
aaagagtgtg ctgacacgcg gattgggaca aatacacaca acggctgcag tgggaaggag 660
aaaatgcgga cgagtattgg cgttcagatg ctggcgaacc cgtcggtag catccttcgg 720
atccctgagg ggaaagaaca agaaccctga 750

```

<210> 5390

<211> 231

<212> DNA

<213> A.fumigatus

<400> 5390

```

agacaaggcg agggcgaaac cgatgacgag cgcgtcaagg cctcctggc gcagctggac 60
cagactctcc agggctacga gcgggtgctt tocaagcaga agtaccttgc cggcgacgag 120
gtcacgttcg cggatctgtc gcactctgcc tatggggtgt ttgtggagca gtttgggttc 180
gcagacttga ttgcaaagta cccccgttcc aaaagtactg ggaggacttg a 231

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<210> 5391

<211> 498

<212> DNA

<213> A.fumigatus

<400> 5391

cgcgcggtcc	ttccagcccg	tggtgaagac	ctgggagcga	gctacgcgca	gcgtgatctg	60
attgcgcgaa	acgagtacca	caacctctcc	gccgcccgga	caatcctctt	catcggcgac	120
ggcagcttcc	aaatgaccgt	ccaagagctg	agcacgatca	tccaccacaa	actcgacgtc	180
attgtcttct	tgatcaataa	tgacggctat	acaatcgagc	ggtgcatcca	tggccggaac	240
cagggctaca	acgacgtcgc	ccgggtggcgg	tatctcaagg	cccccgagct	attcggcgcg	300
gatcaagagg	gcgagtacgc	atcgcgga	tgggagattc	gcacgtgggc	ggactgtgac	360
gccgtgctga	aggatgaaca	gctgggtgaat	ggcaagggac	tgcgcatggt	ggaggtgttc	420
atggacaagt	ttgacgcgcc	ggatgtgttg	atgaatctgc	tgaatgcgca	gattgcgagg	480
gacaatgcga	agaaataa					498

<210> 5392

<211> 288

<212> DNA

<213> A.fumigatus

<400> 5392

tctggtcctt	cgccgcccgt	gagaaaaact	tgcgctcttag	tcgacctga	gtgtgatatt	60
gctgtgggta	ccatggccca	actccttctt	caacagggta	aggtctcgca	ggcactcaag	120
tacttcgaac	gggcccgcga	gctagctcgc	acggaggcgg	agatcgtaaa	tgccatctcg	180
tatgccgagg	ccactcggac	acagttggaa	gttcaggaga	gataccccca	gctggcagcg	240
cgcttgcaat	ccatgggtgc	cgggttgggc	ggacctcctg	gtctgtaa		288

<210> 5393

<211> 432

<212> DNA

<213> A.fumigatus

<400> 5393

actctcgcca	tggtacgct	tcaaagggtc	gttattgacc	ctcttcaacc	cgttctccgt	60
cctatctcgt	ccgtctctcc	acaacctgtc	caogatgtca	tcatctccct	gatcggtatcg	120
ccatgccaca	gcgcccctct	cctcgatctg	gatgtcacca	aggatgctgc	ctgcacgtct	180
cttgctatct	ccaaggctct	gggtattgct	attgtgggtg	caagtgccat	cgtgaagggt	240
ccgcaaatcc	tcaagcttat	cggctcgcca	tcctccgctg	gcgtatcttt	tgtctcctac	300
gcctcgaaa	ccgctagcct	gttgatcact	ctttcctacg	gggtgcgcaa	ccagttcccg	360
ttcagcacat	acggagagtc	tgcgttgatt	gcgtcttaca	ccgacggggc	tggcagaata	420
acgcgctgca	ag					432

<210> 5394

<211> 999

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (628), (637)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5394

tttcaatatc	cctccgtcca	tggtccttcc	gccatgattt	atctccggtc	ctcgttgctg	60
aggtctggat	tggtcaca	ttctgctcgc	ctgtgttcac	aatgcttctc	acgactctca	120
ccatcacgac	gacctgtcgc	agttcgcagc	ttcttctcct	catctcggct	gcgggctggc	180
attgccgata	atgaatcaac	tcctcgcact	gtccaaaaga	cctatttttc	tgccaatcgg	240

accgcagatg	gcttactcgc	atccttatcc	gccgtcaata	gctccccctcg	aagtattgcc	300
gacaatgcgt	tatcacaggg	tgcagccagt	tccgagtcga	ttacttcaca	gtctacttca	360
caagagttac	ctcatcgccg	gaggaagcgg	ttaaaggaag	aggcggccaa	gaataatgct	420
gcagaaaccg	aactccctcc	tgatgcctcg	tctcaattgt	ccaccctctc	atcagccctc	480
cctgcgactt	ccctgcgcgg	caagctgggt	gcgtttctcg	ccctcacaaa	gcctcgtctc	540
tcgttcctga	togtgttgac	gactacctcc	gcttatggga	tgtaccgat	ctcctctctt	600
ctcacacttg	acccttcaat	gactccnta	ccgacctttt	tgacctcaac	cttgaccttt	660
ctctacctga	ccacaggaac	cttcttgtct	tcatgcagcg	ccaatacctt	gaatatgctc	720
cttgaaccta	aatacgatgc	cctcatgtca	cggacacgga	accggccggt	agtgcggggg	780
ctactctcac	gccgtgctgc	ggatttgttt	gcgattgcga	ctgctgctgc	aggtctcggg	840
ttgttataca	ttggaacgaa	ccctacgact	actgcgctct	ccgccagtaa	tatctgtctc	900
tatgcctttg	tgtatacgcc	gctgaagcgt	atatcagtga	tcaacacctg	ggtaggcgcc	960
gtggtagttg	tcaccacggg	gctggatggt	accgcgctg			999

<210> 5395

<211> 618

<212> DNA

<213> A.fumigatus

<400> 5395

aaactaatac	aactagtctt	ctctcgcttc	aatcaatcca	ttgccaaaca	cgagcaccgc	60
ctgaacgtcg	acgcctggga	tggatatctg	gccaaacaaga	accgcacact	ccaaaccctc	120
tacgacaacc	agatcgacaa	caacatcatg	attgcgggtg	attctcatgc	caactgggtg	180
agcgatgtgg	cttggatcga	caacaagccg	tacgatccca	agaccggcgc	tgggtgccatt	240
gggtgttgaat	ttgccggggac	tgcactcact	tccccctcgc	cctatggaca	gaacattacg	300
attgccgatg	ccaacgaggc	ctcgaaggct	ctcgtcactg	acaatgaaga	gcttcaatgg	360
tccgagctct	actaccgcgg	atactttgag	cttcatatca	caoctcagga	agtcgaggcc	420
cgcttcttcg	gtctacccaa	catcaaggag	cgtaatggcg	aggaaatttc	ccttgccaac	480
ttcacctgca	agagcgggtg	caatcatctg	gagcgcaact	cccatggcgt	tgtgggtgga	540
ggcgctgtgg	ccaacggatg	gctcaagaac	gggcagggtg	tgcctacca	ccagacgaat	600
aacacttatg	ggcagtaa					618

<210> 5396

<211> 795

<212> DNA

<213> A.fumigatus

<400> 5396

tgccccagcc	tggccgacgc	tctggcacta	gcaaggctccc	cagccacagc	cggccttgtg	60
gtcacaatgc	cgtacaaaaa	cagcatcata	ccacacctcg	acgagccgga	tgatctggtg	120
accatgatcg	gcgcctgcaa	taacgtctac	taccgcacga	acgcggctga	ccggcgcctc	180
tgcggcacga	acactgattg	gcgggggtatc	aagggctgtc	tcttggagaa	agaagggcag	240
ggccagcggc	cgtctgcgac	ctctccaggg	tgcgccctgg	ttgtcggagc	agggggcgcg	300
agcgtgctgg	ctgtctatgc	gcttgccgtg	catctgcatt	gcccgaacct	ctacattctg	360
aaccgggatg	agggggagggt	ggatgctctg	ctcgcggtga	cgagagatt	gcctgtgacc	420
ctttccataa	cccatgtcaa	gagtattgag	caggcgctg	cgctggctag	tccgtactat	480
gtagtccgga	cagtgcggga	tgatgagccg	aagactgagt	ctgagcgtgc	tgtggctggc	540
atactcgaat	cgttcctggc	tgcagaagaa	aaggggtgc	tattggagat	gtgtttcaag	600
ccgcgcggga	ctaggatgat	ccggctggct	gagcggctgg	gatggccgtg	tgtggagggc	660
acacatgtaa	tcatgtatca	gatcgaggag	cagtggcgtt	tgtgggcggg	agaggagagt	720
gtagtcaatc	tagatctaaa	gggggcttgg	gacgtgctgc	tgaaagctgc	cgaggagagt	780
acggcgatca	attag					795

<210> 5397

<211> 204

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (194)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5397

agcgcgcaag gctccgcgaa ctgcgtgaag gctggccttg ttaccggtaa gcccttggc	60
cttctcccaa acttcatccg tactaacatg cttagcgatg cctgcgagtg ggagaacttt	120
gcctccatat tccacgcoga cgcaaacgta tacacaacct gggctctcac cacgaggcgg	180
caaggagccg cgantagcgt gtga	204

<210> 5398

<211> 195

<212> DNA

<213> A.fumigatus

<400> 5398

gaccagattg tctgggccgt tgttgcgaaat ggcgcgcgag ggcctattgc cttcggaag	60
agagtgtata tcgggcattt tgggttcttc gtttactggc actgttactg gtgtgaggg	120
agtttgagaga atatatatta tgagggtcat ccggctaagg acattgccga gtcagccaga	180
cttccactgc agtaa	195

<210> 5399

<211> 627

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (472)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5399

ctggagcaac tgaacacaca tcgtctcatc caaccctga gatatcccct ctgccagag	60
tcctacatcc cagtgatggc accggcaccg aaaaacttct acatcttcgg cagcggcatc	120
tccttcagta tctcgccgcg tatctaccag gccggattct ctactatca tctccgcac	180
acataaccaga tccgcgagtc cgagtccatc gacgatgtcg cccatttgat cgccgacaat	240
accttcggcg gcgccagcgt gacgatgcca cacaactcc acgcgcaccg attctgcgac	300
atccagaccg agacggcgcg gctcatcggc gcgatcaaca cgctgatcgt cacggagact	360
ggcgaccagc gactcattac cggcgacaac acggattggc cggggctgta tgcgctgatc	420
accgagtaca cttcgcgaa acagcaccgc ctgcaaaccg gtctgggtcat cngggccggg	480
ggcgcatctc gcgcggggct cttcgcgctc cacaagccc gcgtgcgggg gatctacctc	540
gtcaaccgga agcttgcggc ggcggaaaag gtccgagatc atttctccgc gctgttccaa	600
gcgattgccg tgcctccgct ggacaac	627

<210> 5400

<211> 1239

<212> DNA

<213> A.fumigatus

<400> 5400

aggcttggcc cttgggagcg gggccaaggg agcctccaag gcgcgaaaac cggaccaaaa	60
accataatgg aattgcatgt cgaaattctg ctcaagattt tcgttaaatt ccaggaccca	120
agggtcagaa gacgggcca aattgactgc agttcaccgc acaggggctg tgaagaggat	180

attgcctgtc	agacggcccg	cgagacgata	cggaacaattc	gcatgggtctg	ccgcctgttc	240
aacgacctgg	cgtctccact	gttgtgtccg	atcctccgcg	tagatctgga	ccaggaatct	300
ctgaatgggg	cggtcgagtt	gtgcaaactg	ccccggatag	ctggaggagt	gcatgccatc	360
caagtggggc	tgcaatatcg	tccagaagag	ctcgtctcag	actgcccccg	attcaaggac	420
tattgcaagc	agcaattgga	tagagtggcc	gatcgctgtg	actggctcgg	ggggtatgaa	480
ttggacgatg	aaacagactg	cctggaggac	aagagggaat	ttcgagaagc	gaaacgcaat	540
taccagaaga	tctgtcgttc	gtgggacgcc	tatttctcca	ccgacgagag	tgacgagaat	600
gacgatgtcg	ccgaagcaga	ggcagatgag	cacatggaga	ttctcatccg	agcctacaat	660
gaatattgca	aaaagcatga	agagcaactg	cagctcatca	ccagtggagc	cttcgtcacc	720
gcgcttgccg	cttgtatctc	ccaactgcc	aacacagtga	ccctgggctt	cacagacgaa	780
atggaaccac	tgtatgattg	ggataacccg	acaattgtac	tgggagacac	gagtctgctt	840
cccggaatga	tgagcgcagc	gctacggtgg	gaaaagatcg	acaatttgcg	ccatggcaat	900
gatcccgtcc	ttacgcgcga	tgccagattt	acgcccgcga	ggatcttggt	cgacctgccg	960
gttgccatac	acaaagccgg	aatcaagttg	aggaatcttg	atctcggacc	gttcccattgc	1020
cgaggcagtt	tttctctgct	ctgtcccgat	actgtgagca	atcccaccga	tccagcagta	1080
tggtcagcgc	ttcgagcggc	gtgtagcagc	ctctggcgag	tcaatttcgg	aatgaaccag	1140
aaccaccacc	gccctcacat	ccgccacgag	cacctccgac	cggatgaaaa	gttctatgtc	1200
gaccagacct	cagcacagta	cttttcagta	gagatctaa			1239

<210> 5401

<211> 240

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(3), (5), (6), (12), (13), (14), (16), (17), (19), (20), (21), (22), (23), (25), (27), (28), (29), (30), (31), (32), (33), (34), (35), (36), (37), (38), (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52), (53), (54), (55), (56), (57), (58), (59), (60), (61), (62), (63), (64), (65), (67), (68), (69), (70), (71), (72), (73), (74), (75), (76), (77), (78), (79), (80), (81), (82), (114), (116), (117), (232)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5401

tgntnngcat	annntnngnn	nnngnannnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnngnnnn	nnnnnnnnnn	nngccgatta	aataaagata	aaatcctccc	cccntnnaaa	120
aaaaaacacga	gagcggcggt	gaagcaccaa	gagaagacga	gaaggttctg	tgatattaag	180
aaggagaaaa	aacaaacaat	tatttttttt	tttttatatt	ccacgaacaa	anaaaaatag	240

<210> 5402

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5402

gtggagctga	gctctaattt	ctcttccgtc	catactaaca	attacggttt	ttcttcacgg	60
aaggcttgcg	gacgctatgg	taggtcagga	tcaaaaaggt	ggctgaggct	gtgcaagttg	120
aataaggttc	ccttgtcaac	tatcactttt	agagctaccc	tccaggctac	agcattatat	180
acctcttccc	gatgtggcga	agctgagaca	ataatgcttt	ga		222

<210> 5403

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5403
 gatattcgag atgaacccgc gataacaaga ggaactgata ggctgatcc tatttacttc 60
 aacgtgagca aggttagtgc tcaataccca acatcttggc gaagcgtcca tatgacgaag 120
 gatcgtggca ctcatcagcg tggctatgct aacggtgata agttactgat tcagggtctt 180
 aatacagtgg gattagctct ggtgacttat attgcctatt aa 222

<210> 5404
 <211> 372
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (250), (314)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5404
 tgcattggaa cagactcctg catctggcac ttggtacgta tctcctacct gtgtctccgg 60
 ataggtgctg acgtgatagc gcccttggcc gccgcccata tctactcttt ctctcccgca 120
 agcgatatcg tctatagggt ggtagcaccg gaaagcacag ctctgtccaa ctccggggcca 180
 atctacttcc aaatccgtgc gccacttcg taccaatggg tgactcttgg ccaaggctgc 240
 caattgcggn cttttaacag ttctgtatgta cgccggcttt ttcaacaacg taaccctttt 300
 tcctgggttg gganggggcg ttctgtcaag attaaacccc ggggcgcaaa aagattctat 360
 aaggatgggt aa 372

<210> 5405
 <211> 1143
 <212> DNA
 <213> A.fumigatus

<400> 5405
 agtctggaaa gtctggacgg atttatcgga aggtctacag ggaaatccgc gatgctttgc 60
 gcctgccccca catatttccg ggaatccgaa tccaattcaa ctttctgcaa acatgtaagg 120
 aggtattcga cagagataaa gaggcagttg ccgcaagaat gcaatgcccc aaaataccat 180
 acatcttctc aacattcact tgaagttcgc acgtttctcg tcaacatggg cggatttgat 240
 atgtgtggat tgacccccgc tccggtcact cttttcactc aagatgggtgc tgtggactac 300
 gaagccatcc agcgtcttgg ctctgggtc ggaggtatcg atggagtgaagg aggtctctgc 360
 gttcttggac acgctggcga gggcacattt ctaccgccg aggagcaagt ctcagtcatc 420
 aaagcgttcg tcaaatcggt tgatggcaaa gtcccaatta ttgctggcat cacgggtgaa 480
 ggcaaccgaag ttgcgcacct cgaggccaag cgagcaaaag aagctggagc tgctgctggg 540
 ctgctctacc cgtctcacgg ctggttgccg ttccgatacc aacgtgggtc ccctcaacat 600
 cggtagcgtc gtgtgtatga agtctctggc ctgcctttga tccttttcca gtaccctgac 660
 aacacaaaagg ccacctatga tttgcagacc atgctggaca ttgctgcccc gcccggtatgc 720
 tttgccatga agaacggcgt gcgcaacatg cgccgatggg acacagaaat tcccatcatt 780
 cgggctcaac gacctgatct gcaaattctc tcatgccacg acgaatacct tctccacact 840
 gcattcgatg tcgacgggtt cttgggttgg tatggaaaca tcgccccga gcctcttatc 900
 gagctcatca aggccggaaa ggccaaggac tataagaagg cacgggagat ccatgatcgg 960
 ctcttgctg tcaactaagag cgtatatcac cgtggatctc acatggaagg cactgttgca 1020
 ctcaaactg gtcttgttgc tcgcggaatt ctggaacacg ccactgttcg ctgcctctt 1080
 ttgccccttg agcctggtgc ggagcaagaa aatatgctgc tatcaatgct gtttactcaa 1140
 taa 1143

<210> 5406
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 5406

aaggtctcgt	ggttcttggga	cacgctggcg	agggcacatt	tcttaccgcc	gaggagcaag	60
tctcagtcac	caaagcggtc	gtcaaactcg	ttgatggcaa	agtcccaatt	attgctggca	120
tcacgggtga	aggcaccgaa	gttgccgccc	tgcaggccaa	gcgagcaaaa	gaagctggag	180
ctgctgctgg	gctgctctac	ccgtctcacg	gctgggttgcg	cttcggatac	caacgtggtg	240
cccctcaaca	tcgggtaccgt	cgtgtgtatg	aagtctcttg	cctgcctttg	a	291

<210> 5407

<211> 411

<212> DNA

<213> A.fumigatus

<400> 5407

atccgtccag	actttccaga	ctttacggta	ccgagccgcc	gaaaaagggt	gtccaccccc	60
agaaagtgga	ctgtatcctg	gcccaggcta	gaccaccccc	ataaactgtg	gaagcatact	120
gtatcaagcc	tcggacgtgt	tactcagcta	acggggctag	ggccgatcca	acaaggctac	180
ttgaccgctt	acacgacccg	cttggtcact	ttagtctgtc	gcagaggatt	catccccgcg	240
cgaggtgaca	ttgcaatccg	ccagccggcc	ccgggggaga	aactgacatc	tcatacaaaa	300
ccaacaattt	cgaatcactg	ccttcggcac	cgtttatttc	ctagagcaaa	cggccccgga	360
ctactccagg	gttgctcgtc	cacatgggtc	gtgggttagct	acattaaata	a	411

<210> 5408

<211> 411

<212> DNA

<213> A.fumigatus

<400> 5408

atccatagaa	gcgtcatgtc	tttgccccag	aggccgggaa	aggtctcccc	gcgccgagag	60
gaaacacagg	cgttccgaga	cacttcgcgc	agacgacgtc	gggatatacg	gtcggggcgac	120
aacgagacac	tgtccagccc	acatcgacat	caccaccgcc	gccattcaca	aagctccaga	180
aaaactaggg	atatggacga	agagagactc	gaaccagggtg	ggcacaggaa	gagccaagtg	240
cggccgggaa	gcagtcgcat	tgacgagaac	catcctaact	accactatcg	tcaaaagtct	300
caaaatatgc	cagtataccc	gtcaacaacc	ggaaatgaac	cgctgattga	aagcgatgag	360
ctcaacagag	acagttcgcc	agagtacaga	gcacacaagc	agggaagggtg	a	411

<210> 5409

<211> 978

<212> DNA

<213> A.fumigatus

<400> 5409

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aaggtcgtatg	tagcctcgag	cagaccagcg	aaaacttttc	gagcgaaaga	ttgggaatgc	120
ccccgatgcc	agttccattg	tgtcgggaga	aacttcacct	gcccacgctg	taatacccc	180
aagccgaatt	tggacgcgcc	agcccccgag	tcgcctcgtc	agatcaagca	aggccagaac	240
gccttaaaga	ttctgagggt	cgcccagtcg	ttgcggtcgg	aatatacaaa	cgcgggacga	300
cgccctctcg	gagatttgat	cccagaggcc	ggagggttcga	gaaacaccgc	gcttgataac	360
taccttgtgg	agataggacg	caaggccgaa	tctctacctg	catcaacaga	attagagacg	420
cagtcactgg	cagaacagcc	actgtcgaat	gctagggatg	aggttacaga	aagcggcggt	480
gccgaccgcc	aagcttctga	agcagagcgc	acatcatcga	aaccggaggc	agaccatgg	540
acatgggacc	agtcagctct	ggagaaactt	caacagacat	acgaggcaga	agctcagagt	600
gggcaaaagc	ccaagcggtg	ggagcggtcg	aaggaacgag	gagatgatgt	tgactacgaa	660
gaatttgacc	cagaagacga	cgcccgccgt	cgccgccagg	aacgtaagcg	ccagaagaaa	720
gagaagacc	ggcagaagga	gctcgaggcg	gcggctccca	gtccctctta	ccttcgggaa	780
ttcatcagcg	tcagcaacct	cgctgatgtc	attggtgtgc	ggccgggtca	attcgctcgg	840

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agaatggagg aaatgggatt tgaagatgtc tcatacagtc atattcttga tgctgaaaca 900
gccggcttga tcgcgagcga gtacaacttc gagcctatcg tcttcaccac ggggctggaa 960
ggatcagcgg tagtctaa 978

```

<210> 5410

<211> 891

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (882)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5410

```

tacggtcaat accaccgggg ctcagcaaca ttacaactcc accattcagg gtatgccact 60
gcatccactg ttgaagtatt cgagtggctg atgatcagag gaaccgttgt ggcccttttc 120
accgtggggg gaatcttttg ctcctgtcg tgcatttacc ttggtgaccg cctgggccgc 180
cgtaaggtgg tctttcttgc atccggcgtg acaatcgctg gcgcggttct gatggccaca 240
gcattcgact ttgctcagtt cattgtggcg cgactggttc tgggtttagg gaccggtgca 300
tatctgcgca cgggtgcctgt gtggcagtcg gagatttcca aagccagcaa acggggtgcg 360
catgtggtga ccgacggcat cttcatcggc attgggggtct ccctatccct ctggattgac 420
tttggcttct acttcatcac cggcaaactc gtgtcgtggc gcttccccct cgcgttccag 480
attgtcttgc tgttgactgt gatgggtgtc atcgtgatct ttctgaatc gccccgatgg 540
ctgggtcaaaa aggggagagt tcaggaggcc cgagagattc ttgccgcgct ggccgatgtc 600
gagccggact cggagtccgt cagcgcagac attcgcgaca ttgagctctc gctgtccatc 660
tgtggcaatg gctcgttcaa gagcatgctc acgatgggcg agcagcggct gttcaatcgc 720
actcttctcg cggccggcgg gcagatgttc cagcagatgt gcgggatcaa cctgatcagc 780
atgtacgcga cgaccatctt cgagcagtac ctgggcatga gcgcgatcaa tgccgcgcatc 840
ctcggggcgt tcttaaccgc cgtgatagaa ggtagtgccg tccccccac c 891

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<210> 5411

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5411

```

gatacctgca gtgcttgcac atacttcact actgagatgg cgccttattt tggcctccgt 60
ggctctacct tgagccaggc catcatctgt ctggtcgtgt gtccggcctt tgttacctat 120
ggatacaacc tgagcgtggc cgggggtctg ttgacgctcg aatcgttcgt caagaccttt 180
ccccagattg atacggtcaa taccaccggg gctcagcaac attacaactc caccattcag 240
ggtatgccac tgcattccact gttgaagtat tcgagtggct ga 282

```

<210> 5412

<211> 501

<212> DNA

<213> A.fumigatus

<400> 5412

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ataatcaggc gtctcattct agatatcata gggacgaata catatctaata cggctcggggc 60
caccagcgga tactcattga caccggcgag ggcaaaccgt cctgggcaaa tcatctcaaa 120
agtgtgctag caaaggagaa tgcgacagtc cataaagcac tcttgacaca ctggcaccac 180
gaccatgtta atggtgttcc cgatctcctc aagatttgtc cgcaagcgac ggtttacaag 240
caccgaccag acgaaggaca gcttgatatt gaagatggcc aagtcttcag cgttgaaggc 300
gctactttga aagcgtatca tactccaggg cataccgtgg accatatgat gttcgttctt 360
gaagaggagg acgccattat cactggtgat agtgagtctt actctccact atgtggttgt 420

```

tctacgtggg cacctttgcg gctgaccttt ttctttactc ttctcttttag acgtgctagg 480
tcacggggaca gcagtatttg a 501

<210> 5413
<211> 321
<212> DNA
<213> A.fumigatus

<400> 5413
cacgcttgct cttccagccc cgtgggtgaag atttcgttag gtcttagctg cacgtcgcaa 60
gtattgaatg cactcttggg ggatctgtgg ccgaaacggg ctgctgctgc gacggcgggc 120
aataatctgt ttcggtgtga gttgggtgct ggggcgtcgg ctgccattgc acccatgacg 180
aacgccatgg ggcattgggt ggcgtataca actttggcac tgatatgtgt gttgtctacc 240
gggtgtttgt ggtggacaat gttctttggg attcaatgtc ggcagaagag ggcacaacgg 300
gagcaggcaa ggcggagttg a 321

<210> 5414
<211> 282
<212> DNA
<213> A.fumigatus

<400> 5414
aagcattcgc cgcagctgat ggtgaaggga gtgacaacgc gatcgccctt tctaaaattc 60
cgaactgcgg ggccggtttc gacgacctcg ccggtgaatt catggcccat tatgaagcct 120
gtgcttgagg gttggtggcc gcggaagacg tggagttcac tgcgtctctc tcgttatgac 180
ggaatctttc aagcggagaa gaggggcctg acctgccgca tagtgccgtg ttaccggact 240
ttgatgaatg cgtctgttgg gatctggatc tgcgggtatt ag 282

<210> 5415
<211> 939
<212> DNA
<213> A.fumigatus

<400> 5415
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ataatggggc atgaattcac cggcgagggt gtcgaaacgg gccccgcagt tcggaatttt 120
agaaagggcg atcgcgttgt cactcccttc accatcagct gcggcgaatg cttctactgc 180
gcacggggat gttcctcgcg ctgcgccaaag gggaagctat tcggctctgc ggtgctggac 240
ggaggacagg cggagtacgt gcgcgtcccg ttagcggatg gcacgctggt cgcggcgcca 300
gccgccgtcg atgagaagaa gttggttctc atggctgata ttttcccgac ggggtacttt 360
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ctgtttgggt gtgggcccgt gggatttgtt gcgctgatca gtgcattgga gtatcagcct 480
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gcggaggcgt ggaatttcca gacggatgcg caggggctgc gggagagggt gctggagttg 600
acggaggggc ggggggcgga tgtggctatt gaggttgtcg ggcatagcag tgcgctgcga 660
atggcgtttg agctgctgag gccgtggggg cgtatctcga gtgtgggtgt gcataatggc 720
gagattccct ggacggggaa cgaggcgtat gggaagaatc tgcagattca gatggggagg 780
tgtcctgttc ggagcatctt tcgggatgcg ttggagctgc tactgaaaaa acaggattca 840
cttgagtgtg tatgcaattt ccttttgatg gcacggctga ccatgtctag gtttatggct 900
gctgatattc gaccgctgtc gcaagctatc gcagcgtaa 939

<210> 5416
<211> 660
<212> DNA
<213> A.fumigatus

<400> 5416
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 cctcatcgtc ctatgaaccc ggtattggcg acacctctct ttgtctcag cggggtcttt 120
 accgttctat tcctgtgtcg ggtggtcata aggtttcagc atcgccgtcg tttacgtgag 180
 attcttcaga cagaggacca gtgcaagttt tcgcggaacca gcgtcatctt tgcttggatt 240
 aagaaacatg tactttatgc accattgggt tcaaaacggc acagtcgca atttcaactg 300
 ctaaacaggc ttcatatggg aagcataccc ttacgactgg aagctacgtt agttctggga 360
 tatatcacga ccaatttggc tttcttggtc gtcctagtcg actggtggac ggactatcaa 420
 gaaaagatgt accaactaaa atatgccgct ggacatctgg cagtgatgaa ttcacctgtg 480
 ctgctcttga gcgcgggtcg gaacaatccc ctcatccac ttctgggcat tcctttcgac 540
 acattcaatt tcctgcaccg ctgggtcgga cgagtcatga tagctggggc cctgattcat 600
 atgggctgtg tcattggggc ccaggcaatg caggggtgggt gggttcagccg tctcaaatga 660

<210> 5417

<211> 339

<212> DNA

<213> A.fumigatus

<400> 5417
 gcccttattg cattttagt tattttcttt caatcagtat caccaattcg gcatgcattc 60
 tacgaagcct ttcttcattt tcatatattc ctgcgaatca tggcatttgt tgggctgtgg 120
 tatcatctgc gtggccttggc ccagcagcgg gttcttttgg ccacgttgat cctttggggg 180
 cttgatgtga gttatctgcc cttgatcagc tcttggtcat caattaaagt ccgcactgct 240
 catgcttctc tccaaaggat gcacttctcg tcagcattct ctggccgaat tgcgggaaac 300
 accgtacttc cggctaccgg tgaatgggtg cctggaaac 339

<210> 5418

<211> 516

<212> DNA

<213> A.fumigatus

<400> 5418
 cgccagaaat tgatcgcggc acggtacagc accaacgggt acgtgatccg aaagggaagc 60
 atccgtctct tcaagcttcc aagttccgcc ggagtcgcaa tctgtgacgg gcgcggcct 120
 tegtctctgt gttggccatc ccaactagtg atcaacttct gtacgcgctc gcggttcagc 180
 gcttctcggt ctctctgctg taggtcgacc gtgatcaggt ccagaacaaa gtcggcaggg 240
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 tccccgcgat acacggtgta tcctcctcgg gccagtagca ggaccctcga gaagtgtctg 360
 aacaggctccg atcgtgactg gtggatggtc atgatcaggg tcgggccctc ggctgccagc 420
 gcttcgagga cttcaataat cgacgtgggt gtaaacgcat ctaggccgga agtaggttca 480
 tccaacagta aaaccttggg gtctgttaga atctga 516

<210> 5419

<211> 258

<212> DNA

<213> A.fumigatus

<400> 5419
 atccaagatg ctaatgagat agggatgctg caaaatatcg ccatctaccc gaacgaacgg 60
 gacgtcttct accgggaaga agcggaccac tgctactctg ccgagacttt cattctacag 120
 tacacgacgc tcgaagtacc ctttgaggcg atctcctcaa tcatcttcgg ggtgctcgca 180
 gcctacgcgg ataatctaga acgcagtcca aaaatgttcc tcatcagcgc attcaactgg 240
 ttctgcatca tcagcttc 258

<210> 5420

<211> 1764

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1),(4),(21)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5420
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 gctagcagct tccccgggtgc gagtattgtg ggcaaccttt ctttcacact acagtctttc 120
 gcgtgcgggt actttgtaca gtcgaaccag atccccgggtg acgtgcgggtg gctaaaatgg 180
 gtggcatata cattctacat cttcgggtgcc ctgtgtgcca acgagttcat tggtcctgac 240
 gggcccccag agggccagtt ctatgattgt ccatactcca cagaccgctc caatcccgca 300
 tgtacgcaat acacggggccg gtacattatg gagaacctgg ggtttcctgc aaactggatc 360
 tggcggccaa tgcgtgattct tgtggccttt gtgattggtc attatctcct cgctggcttg 420
 ctgctccagt acaaccgttt cgccattgac atcgcgcaag cccggaagac cgatgtagat 480
 ttgtctgcgg gtaaagagaa gtttgccgaa cggcgcagcg aggaagctcg tcctgtcgcc 540
 atctccctgg acaagtatgc cttggagatc cggaaacgcc aggtctctcg ccggggatcg 600
 cggacgctat ccattcctcaa acccatcacc gctgaattcc agccagggaa attgaacgtc 660
 atcatgggcc cgtcgggtag tgggaagaca tcgctgtctc actctattgc acgaaggtta 720
 agaggttcat tggggacaca gtatcgactg cagggaaaca tgctctacaa cgggtgctgtg 780
 ccttcagaga gcgtgatccg gtcagtaaca tcgtttgtca cccaggatga cgacgcgttg 840
 atgccgtcgc tgacgggtgcg cgagagtctc cgtttcgcag ctggcctgag gctaccacag 900
 tggatgtcgc gcgaggagaa gaaccatcga gcagaggaga ttctcctgaa gatgggattg 960
 aaagagtgcg cggacaatct gataggcagc gaactcatca agggcatcag cggcggagat 1020
 aaaagacgaa tcaccatcgc cattcagatt ctaacagacc ccaaggtttt actgttggat 1080
 gaacctactt ccggcctaga tgcgtttaca gccacgtcga ttattgaagt cctcgaagcg 1140
 ctggcagccg agggccggac cctgatcatg accatccacc agtcacgacg ggacctgttc 1200
 cagcacttct cgagggtcct gctactggcc cgaggaggat acaccgtgta tgcgggggag 1260
 ggcgagaaga tgctcccgtc cttccggtcc ttgggatacg agtgtcccaa gaccacgaac 1320
 cctgccgact ttgttctgga cctgatcacg gtcgacctac agcaggaaga ccgagaagcg 1380
 ctgaccgcg agcgcgtaca gaagttgatc actagttggg atggccaaca gcaggacgaa 1440
 ggccggcgcc cgtcacagat tgcgactccg gcggaacttg gaagcttgaa gagacggatg 1500
 cttccctttc ggatcacgta cccgttggtg ctgtaccgtg ccgcgatcaa tttctggcgt 1560
 cagccgccat tgggtgatggc tcggtcattg caggtggtag ggattgcat catcatggct 1620
 ctgttctttg ctcccttgaa gaacgactat gctgctgtgc aatcgcggat ggggtttatc 1680
 caggagtttg ctgcgctcta tttcgtgggt gagttttcgt ccattataat ccaacgcggt 1740
 agatccaaga tgctaattgag atag 1764

<210> 5421
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 5421
 aaggaccacg catatcaaat cattgagaaa caatatatct tgctgtgct acattcgtgg 60
 atgactttct attatgtcaa tgactacatt gtgatcatgt gctgcaacaa gtcaagtgcc 120
 gaggagagga tggagcttgt ttgcatccca gccaaacata cctctttggg ctaccttacg 180
 tag 183

<210> 5422
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 5422
 atggcactcc ccgcggtatcc ttccagcccc gtgggtgaaga cggcatctca actcgccaag 60
 ttgaaccttg acgatgttgt cgatgacatg aatgaggtga gtctacaagg ctgggcagag 120
 ctgctggaga aaaagggcat cacacgtccc gggccaatca gcccgttcct cgagaaagat 180
 gtcacaaagg atcaggatat gtcgattgat ggcaccttgt tcgaaaaaac caccggatgg 240
 aaacctacac gcgaacgctt tgatgcagag ggagtcgcgc ccatggttga tagctacaaa 300
 cgtatgggct ggtggccata a 321

<210> 5423
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 5423
 tctaactttc gtcttctact cttcttatcc tcaacctcgg gctccaccac tgtcagcacc 60
 ggtatgttcc tgatatcctc tgcgtatcca tctgcatact tcatcacttt ccttacttca 120
 gagagtgcgt cgtcgtcttc ttctgctcat gacctgatg aacatgtaga cttgggtgta 180
 cataacataa catatgcact ttga 204

<210> 5424
 <211> 351
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (30), (129), (134), (180), (289)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5424
 gcttggagct ccatggtctc aatgcgctgn tccagcttcg tgattgctgc ttcaagcttt 60
 tcgacactgg gggctcttgc cctcaacttc gactttgcct gtcttatttt ctctcatgaa 120
 attattctnc attntcttgg accgctcgag gcggtgttcg agctcgctgg ccttattttn 180
 cttctccctc tcggcgccca agcttctcat tcttcttctc aaaacttctt cttaaatctt 240
 ctggcgctgg tccttcaagt aggaaggctt gatggttctt caccocatnc cataactaatg 300
 gcttcggcca atctcgaaga actttgcggc cttcttctt ttttcgaata g 351

<210> 5425
 <211> 189
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (84), (158)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5425
 gagaaaataa gacaggcaaa gtcgaagttg agggcaagag ccccagtggt cgaaaagctt 60
 gaagcagcaa tcacgaagct ggancagcgc attgagacca tggagctcca agctcaggac 120
 aaggaagata ccaaggaagt cgctttggga actccanaa tcgtgagtca cccaccctct 180
 accccatga 189

<210> 5426
 <211> 1302
 <212> DNA

<213> A.fumigatus

<400> 5426

ttgatgcgtc	tcctgcagcc	ccggcgtgaa	gatcgcatac	ctggcatgcc	tgcacggaga	60
acgacaattc	tttgttctgc	tacgctaaaa	atgagcgtac	agaagcttgg	tgaaatcagc	120
ttgaaagatg	cagtccacat	caaagcggac	ccagaggacg	aggatgagaa	agccaggagg	180
agcaaagcgg	aagaatccgc	ctatcgggtg	ccagcccagc	tcaaacaatc	atacgtctgc	240
gttgcggcaa	agctgcgcct	agtcacactc	actgctttct	tcaaacgcac	ttttatgagg	300
aagggatcgg	tcatgaaggc	tatcattttt	gtctcctgtg	ctgactcagt	cgacttccac	360
tttgaagtat	ttacgcggaa	acaagtaaag	gaggatggcg	gcgagcctag	cgatacacat	420
aaatcagaag	agaaaccccc	atcgtcgcct	catggtacca	tagcacctgc	cacagctttt	480
tcgaatccgt	caaatccggt	gactttgttc	cgactccacg	gctccctacc	tcaaaatgtc	540
cgaacttcta	ctcttgaggc	atttgcgaag	aacaaggaa	catctgtcct	gatctgtacc	600
gacgtggcct	ctcgtggatt	ggatctgcc	aatgtcgatc	tggtcgtgga	gtacgatcca	660
gcattcagcg	cgaagacca	cttgcaccgc	attggacgta	cagctcgtgt	gggccgtgac	720
ggtcgggcat	tgatcttctc	tcagcctgga	tgcgaggaga	attatgtaga	agttctcaag	780
aggggctatc	gcgacggcgg	aaaggcgctt	actcgtgcag	acgccaacga	gattctcaag	840
cgcggatttg	gcggaacgt	ggagagcgga	aacaaggact	gggagacaaa	agcgacggat	900
tggcagtgcg	aggtagaacg	gtgggcactg	gagaaccggg	aatacctcga	gatggctcgg	960
agagccttcc	aatcgcacat	ccgtgcatac	gccacacaca	tcgcagctga	gcggagcatg	1020
ttcaacatca	aagagctcca	tctgggacat	ctcgccaagg	catttgcatt	gcgtgaccgc	1080
cccagtaaaa	tcaatgtacc	cggtttacga	caaggaaagg	aagagacgaa	gaaagacttc	1140
aaggctgaga	ggaactcggc	cgcaggaaag	aagaggaagg	ctggtggtgc	agatcttgcg	1200
gacgatatac	cgtctgccaa	taacacggca	acggcgcccc	aaaagatgag	ggctaagatg	1260
aaagaacata	tggtctggtgc	aaacgagttc	aaccttgcct	ag		1302

<210> 5427

<211> 726

<212> DNA

<213> A.fumigatus

<400> 5427

agagcgcgtg	tccgccatcc	ccgtgggtgaa	ggacgggata	tccagctcaa	tgtcaggggc	60
aacaagacac	ttgacgacag	tttcaaggac	tacattcagg	tggaaaccct	tgagggcgag	120
aacaagtacg	atgcaggctc	tcctacgggc	ttgcaagacg	ccaagaaagg	tgtcatcttc	180
gagagctttc	ctcctgtgct	tcattctgcac	ctgaaacggt	tgaatatga	cattaatcgc	240
tgatgaatga	tgaagattaa	tgaccgtcac	gcggtcccca	tggaaattcga	cgcgactcca	300
tatctatccg	atgcggccga	caaatcggaa	ccgtggatct	atcagctgca	cggggttcta	360
gttcacagcg	gtgatctaaa	cgcaggccat	tactacgcac	tcttgaagcc	taccaaggac	420
ggccatttgt	tcaaatttga	tgacgaccgt	gtgaccggg	ccactgacaa	ggaggtactt	480
gaggagaact	atggtgggtga	atatgaacta	tccaatgggtg	cggccggcgt	ccggcaacca	540
catacacggg	gtctgtcgac	caaacgggtca	atgaatgcct	acatgttggt	ctatatccg	600
aaaacacgcc	tggatgatgt	ccttcttccg	attacaaagg	atgatattcc	ctctcacatt	660
ggtaagcctt	atgcattctc	ttcctccgcg	agcagatgtc	tgacattgaa	tcagagaagc	720
gtttag						726

<210> 5428

<211> 351

<212> DNA

<213> A.fumigatus

<400> 5428

ggtcattcat	gtcatttttt	acgtcagcaa	ctgtttgaag	tcctagtgcc	tcgggacggc	60
acctttgcgg	accttctggc	gggtctgcag	aaaaaggcaa	accttgagga	tgatgtggtt	120
cgagaaatgc	ggatctttga	ggctcacagc	ggcaaaattt	acaaggagta	ccaagaagat	180
gctaagatcg	ctggcatcaa	tgagtacgtg	actttatacg	ctgagaggat	acccgaggaa	240

gagcttcaga tgcaggccgg cgaacggaca atcaatgcat tcaactttga ccgagagcca 300
 agcaggccgc atggtatccc tttcaagttt gtcatgaaac ctgtatgcat a 351

<210> 5429
 <211> 1251
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (295), (305), (609)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5429
 gccttatgca ttctcttcct ccgcgagcag atgtctgaca ttgaatcaga gaagcgttta 60
 gtagaggagc gggcagagct tctccgcaga aagaaggaga gagaagaggc tcacctgtat 120
 atcaatgtgg gagttctatc ggacgagtcg tatacgtcac atcatggatt cgatctgacg 180
 agcgcggacc taccggccgg cgatcctgct ctgccgaaac agtataggat tcttcgggct 240
 aagaaaagttg gcgagttcgt agagcagctt gcggaagaac gaggtctaaa cgcanaccaa 300
 atcangctgt gggatgatgt gaaccgtcaa aacaagacga ctgcgccgga ccaagccatc 360
 aaagaccagc aaatgacggt ggaagaggcc tacagcagat ttggtaccaa aggaaccgt 420
 ttcaaagtct ggatggaagt tgggcaacca tctgcggacg gaaccatctc gtgggctgac 480
 agcagcactt ctgttctcgt ctttttaaag aattttgacg tcccttctca gattctttct 540
 ggagtcggta ccgtatacgt ccgcaagaac cagaaagtcg cagaactcgc cccaacaatt 600
 ctcgagaana tgaactggcc tgccgggaca gagtttatgc tttttgagga aatcaagcac 660
 aacatgatcg atgtgatgaa gccgaagcag actttccagc agtctgagat tcaagacggc 720
 gacataatca cgttccaacg cacagtcaaa gaatccgact taccatccac tgcactgtac 780
 acggaagcga ggcaatacta tgactacctg ttgaacagga taaatatcac attcgctccc 840
 atcaaagcga ctgatggcga cgagttcact ctcaactctga gccgaagat gacatacgat 900
 cagttctcga agaaggtcgg cgagcacctc aacgtggaat caactcacct gcgtttcgcc 960
 cccgttcttg ctagtaccgg aaagcccaag cagttcatta aacgcaatcc taaccaggcc 1020
 aaccaaagcg tgtaccacat ccttagtggg caggtcagtg gctacgggta tagtatgcat 1080
 cgccaagatg cactatacta cgaagtcctt gagactagtc tcagtgatta cgagtcgaaa 1140
 actacactga aagtaacggt actcaccgag ggcattgtga aagaggtaag ttcaccctat 1200
 catcgagcgc tagggtcatt catgctcatt tttacgtcag caactgtttg a 1251

<210> 5430
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 5430
 tttcagtcac acagtaccgg caatctcctt atccattctc tccccatccc tatcgcttcc 60
 gtcttcccta ctccataccc cccagtcctg tccgttccct tctcttcttc tcccattctc 120
 tatcttccat ccgacgtctc cttcctccta ctcttccctc tcattcatga ttccgaattca 180
 cctgaacatt taaatcgctc gtccgcatt acctacatac ctacctaa 228

<210> 5431
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 5431
 tgccctgcag cggctgcca aacgctcgac aaaccactca aagacatccg ggccagcatc 60
 accgagaaga cgggtggatat tttcagcgga taccgcaagg tcttttcagg gtcgcaccct 120
 ccaggacagc tcgtgttgcc ggagaatctc aaggagtttt ccatgtacat gtcagcatg 180

atcaagtcga gggcggttcaa aggtgaggta tactacgggt gcaacaatgg attcaccgct 240
aacagggcaa gtaggtggtc aggaatcgtc cgaccggcgg attcatga 288

<210> 5432

<211> 708

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (632)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5432

tcaagtcgag	ggcggttcaaa	ggtgagggtat	actacgggttg	caacaatgga	ttcaccgcta	60
acagggcaag	taggtgggtca	ggaatcggtcc	gaccggcgga	ttcatgatat	ccggatgcta	120
cgatcgatag	gatgcacaga	gctgtcactg	tacctgtatc	cccggatcat	ccccatccac	180
aacatgcaac	cggaggatgg	gttcccgaat	gaacagggac	aattacaggt	accaccgcg	240
ctccgtgcc	gctactccaa	gatcgaggag	ggcggggcgt	acctggtaga	caacggccaa	300
atgattttac	tatggcttca	ttcacaagtt	tccccgaacc	tgcttgagga	tctatttgga	360
cccgggcaaa	cgtctctaca	agctctgaac	ccacagctgt	cgtcggtacc	tgtgctggag	420
acacacttga	atgcgcaagt	gcgcaatctc	ctgcagtact	tgctcgacaat	tcgaggatcg	480
aaggcggttg	ctatccagct	agcacggcag	ggattggacg	gggcccagta	cgaatttgcg	540
cgactgttgc	tggaggatcg	caacaatgag	gcgcagagct	atgtggactg	gctggtgcac	600
atccaccgac	aaatcaactt	ggaactggcg	gngcaaccgga	agcgtgagga	tacagcgggg	660
gaggggaacgc	tgtccagtct	ggccggactg	cgggccccc	actggtga		708

<210> 5433

<211> 246

<212> DNA

<213> A.fumigatus

<400> 5433

aacgggggat	cctcgcgaaa	gaggtgtcgg	gaggggtcgg	aggggttcgga	aggttcggag	60
gggttcggaag	ggcaaaaaaa	caagggatcc	tttacgagtc	ttccattctt	cgattttacag	120
gaactggaga	cttggatcct	ttctttagtc	tctgggaaca	aggttatttg	cagttgtgac	180
tctgactggg	gcagtggagt	tggcttcgca	cgtcagtgg	tacaagatag	aggggtgtct	240
atctga						246

<210> 5434

<211> 267

<212> DNA

<213> A.fumigatus

<400> 5434

ggtgcgaaac	taaaagatca	agcggggtttt	cgagtgcacat	tggccctatt	tgcatatatg	60
tacattgttg	tggttgttta	cattgccatt	cggctgtcag	acttcagtgc	acgcagcgtc	120
cttgtcggcc	ctcaacgtcc	tgaatctgta	aaggcagctc	gagtcaagga	gaatgatcta	180
aattttcgtg	aaagacgaat	aactatagac	atggaccgac	acagggctag	cagacacaag	240
tttcaagtaa	ttaaaatccg	ttgttga				267

<210> 5435

<211> 933

<212> DNA

<213> A.fumigatus

<400> 5435

gtcggggttg	atttccaatt	gcaccgcgct	gataccttcca	gccccgtggt	gaagaccgaa	60
aacaccgcag	agatcatgtt	cgagtcgttc	aactgtgctg	gtctttacat	tgccgttcaa	120
gcggtgcttg	ccctcgctgc	ttcatggacg	tcctctaaag	tgaccgatcg	atcccttact	180
ggaacggtca	ttgactctgg	tgatgggtg	acccatgtca	ttcctgttgc	ggaaggctac	240
gtcatcgggt	catccatcaa	gagtatccca	atcgctggac	gagacattac	ctacttcgta	300
cagagcttac	tgcgcgaccg	aggcgagccg	gatagcagct	taaagacggc	agagcgggtc	360
aaggaggagt	actgttatgt	gtgccctgac	atcgtaagg	agtttgccc	ctatgaccgc	420
gagcccgatc	ggttcctcaa	gcataccgtg	acctccccta	atggccggag	cgtgacaatt	480
gacgtcggct	acgaacgctt	ccttgccccc	gagatcttct	tcaaccctga	aatttactct	540
tctgacttcc	tgactccctt	gccgcaagtc	gttgacggcg	ttattcagtc	ctcgcccatc	600
gatgtccgga	gaggtctcta	caagaatatc	gtcctgtccg	gtggatcgac	cttgtaaaag	660
gactttggcc	gtcgtttaca	gcgcgacatc	cgacacctgg	tagatgcgcg	tattcgcgcc	720
tccgaagctc	gcagcgggtg	tgctaagagc	ggtggtttgg	acgtggctgt	tgtgacacac	780
aagagacaga	gacacggccc	ttggtttggt	ggtagtctgc	tgggacagac	tcctgagttc	840
cggagctact	gccacaccaa	ggcagagtat	gatgagattg	gtcccagcat	tgtccgccga	900
tttgccctcc	tgggtggtcc	cggaagcacc	taa			933

<210> 5436

<211> 960

<212> DNA

<213> A.fumigatus

<400> 5436

gattattttt	gtcatgcaag	gttgtgtcca	gaatatcttc	ttcctgactt	tacacactat	60
atccttcac	tttttccga	gacgtttccc	tttgtttcgt	gtctggcaat	ggactcccc	120
agtataccc	cctcgaaatc	caaacagaaa	ctgtgcaagc	aagcctgcga	caactgtagg	180
cgccgaaaga	tcaagtgtct	aagagagctc	ccatgcgaca	agtgtctctg	gcttctcctt	240
tcctgtcct	acagcgatgt	tctgcgcctg	aaaggcccca	agttccggac	tctctatcct	300
ctggctccga	tccatccgct	catttcacga	tctcgagata	ccttgcatta	tggccctcga	360
cagcatactc	tggacaaaaga	tttccctcca	gaggccgggg	gttaccatt	aggggctct	420
cccacgtctc	ctccgttttc	tctgggggat	gtccagttca	actccaaga	cttcctggac	480
tcattgacac	ggctggcgcc	tccggaactg	gtctcatccc	ccgactcgac	gaattccatt	540
tctgaccctg	gcaactgtca	gtgttctcct	ttttcaagac	gtctcacgtc	acctgttctc	600
ctggcacatg	tgaacgtcta	cttcaaatac	atctttccca	tcatgccagt	ggtgcggaag	660
gagggaaatc	aggcggactg	ccaccagctg	gaaagactct	cgctcgcgag	gtatgctttt	720
ctggcttcgt	tgtgtgccgc	gactcatata	cagctcaagt	ttgatgggtg	tatggggccc	780
cctgccttca	acacggaggc	acagtccatg	atgtcagggg	aagaattgct	cgccgaggcg	840
gtacgggcaa	ggaaggagtg	cgatccggtg	gatgaaatca	gcacgagag	tcttttgact	900
tcattctttc	tgtttgcttg	ctatggcaat	ctcgacaaac	aggagcaggc	gtggtcttaa	960

<210> 5437

<211> 237

<212> DNA

<213> A.fumigatus

<400> 5437

atccaccgtc	gttgacagagt	cctcctcagc	cttatcaatg	gcagacgtgc	gttcttcagc	60
atccttcaaa	cccagtaact	cattctgagc	tttgttgata	ccatcatcac	cagcgtcatc	120
caattctccc	tcgtttgtct	catcgtctgc	agccagcgca	gtgagcttca	cattaggtgc	180
aacaacttct	tcagtccctc	catcgccatc	ctcgaacctt	ccaatcacca	ccttttaa	237

<210> 5438

<211> 1473

<212> DNA

<213> A.fumigatus

<400> 5438

ggaaatgggc	aagcagcgcc	agggtcacaa	atggaatcat	ggcgggaacg	agggtttgta	60
ccggactcgg	actcagaggt	tgactttgac	agtcaggaat	taaaggtggt	gattggaagg	120
ttcgaggatg	gcgatggagg	gactgaagaa	gttggtgcac	ctaagtgtga	gctcactgcg	180
ctggctgcag	acgatgagac	aaacgagggg	gaattggatg	acgctggtga	tgatggtatc	240
aacaaagctc	agaatgaagt	actgggtttg	aaggatgctg	aagaacgcac	gtctgccatt	300
gataaggctg	aggaggactc	tgcaacgacg	gtggattcaa	ggaagaagac	gtctcaaagt	360
gattctggct	ctgtccaagg	aaacccaaaa	gatccagcca	gccagagtgc	gcgtgctacg	420
gcaaaggctg	caaactcttc	gcccagttca	ggtggtgtga	ccgccatgaa	ccccagcgct	480
ccgtcaactc	ctcgaccca	accgcacgcc	gccatatggg	acattcccag	ctccccagac	540
gagttacagt	tcgatttgca	gccatcacgg	agactggtta	cttacttttc	aaagaagaag	600
gaccccgaaa	cccagaagaa	ctcgccgact	atcgatgaag	ctgagacaca	gctagtgaac	660
gagaatgaca	atatctctcc	tctttcttcc	cctctctcat	cccttcattc	gatatctttg	720
ggggaagatg	atgaaagttt	acgagataga	ccagagggac	acaaggagac	agcgaccaca	780
gaaacgcaag	ctccccagaa	tcgagaggaa	ccgttgccac	cttttgagag	ttcggaccga	840
atactacagg	agatgtcaca	gcccattgct	aggtcattaa	gacagcgga	tcctatccaa	900
ttacacccat	acctgctcga	agatgcgaag	taccggagtc	tcattgaaagc	cagaggcctc	960
aagcccgtac	gggtacctct	gcatcaagct	gtacatgaga	cagccgacga	gagtcaaatac	1020
aaggacttcg	agcctccttc	aagcagcccg	gtcgaagact	ttcaattttcc	gccatcatct	1080
ccaataatag	accacccgct	gcctgataga	cacattcaca	aggagtcttc	acatcggcgt	1140
ggctcgttag	accacacaatt	ccaagaccat	ttagcgaaca	gaccagatgc	tcgtccttca	1200
aaacggcgaa	gggtatcccg	acctagaaat	actgacagac	gctctctgat	acatgcgccc	1260
cagccaaagg	tggtcatcgg	ccaatctcct	gcacgtcctg	aacatgaatc	tattttcaac	1320
ataccgagtc	caccgcgctc	aggcagcatc	tcgtccacgc	aaaccagcca	gcacgcccag	1380
ggattccgtt	ttccacttgg	attcacgcca	ccgaccttaa	ctacgcgggt	tacggagcct	1440
agagttaatg	cacgccaatg	ctataaaactc	tga			1473

<210> 5439

<211> 966

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (698)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5439

agtcacacagg	atactgctca	ccgaactgtc	ctctgcacta	atgcacaatt	atccatctac	60
caccacccaa	taaagaatcc	tgcttccatc	ctcgttcatg	gattccatct	tttaatcatg	120
tctaatatga	atccgctgtg	tactctcggc	atgactaggc	gtgtcacacg	ttccgcagca	180
gcccagagagg	cagcttttgt	cgcggaacaa	gcacaggacg	tcaagccgca	gctaaccgac	240
tcgaacggctc	cagacgtctc	gccaagagact	ggaaagtcta	cacctggctg	gaagaggaaa	300
ctgcccatag	agcatccaga	aaaattatca	aagtcatcca	aaacgagcaa	gccccaaaggc	360
agtttgccaa	gtctcaatgt	gaatgacgac	cttccacaca	atctgggctc	agtctctcaa	420
ccacttgaga	gtatcaatgt	agaacctaaa	ctcaacaagc	aggatcccgg	catcggagaa	480
gaagaagatt	tagacaacct	tgcaagtgat	ctccaaaaga	ccgtcgacaa	agctacagag	540
ggactaccgc	aacaaatcaa	aattagcaag	aagaagaatc	cttatggtct	tacgcccggga	600
gctaccccat	ttcctgaatg	ggctcggccc	acacctgaag	aatgtgagga	agtgaatagg	660
ctcctttcca	gtgctcatgg	agaagtcac	cctccttnta	agatcccggg	gccgtctctc	720
acggtgcacag	gggtgtggtg	ggttccttca	gtgctagacg	cactcattcg	caccctgtctc	780
agcggtgcca	cgacaggagg	gaattccgct	ttggctttcg	gtggcctggg	acagagggttc	840
ggtattcttg	aagaagggtat	cggcaaggga	agtgctcaact	gggatgccgt	ccgtcaagca	900
ccgctgaaag	atgtcttcga	ggcgatcaag	aggggagggtc	tgtcggagat	gcacgagcca	960
gaaaga						966

<210> 5440
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 5440
 acgcattgcg ttggattttc cggcccgggtg gtcgaagacc ggctatttgg accatctgga 60
 gaagatcgcg gcgaaggacg caagatcaag gctgttgacc gtgccaaaga ggctgtcacc 120
 catggtttcg ccaacgagga ggactaccag attgctgcta atggagtcaa gctcgatcaa 180
 catggcaaga tcgtgcctgc caagtaccct ggagaatccg aagtgcttca ggcgggcttc 240
 aaccgggtgca acaaaccat gacgcacgaa gatgaacctc ccaagggtcaa ggatcgatatg 300
 gatatcagca tccacaacat tgctgatcac gaatga 336

<210> 5441
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 5441
 gttgcaacac cgcaggttga ggaaccacgg gatgagaaaag cgcgcctgcg gcacggttgag 60
 cagaccttta taccagtcg gccgccggat gattctgagc caggaccttc agccgggtcac 120
 ttggccatgc caaccgcgcc cgtgcttcct gaagatgacc acatcaacgg ttatcatcat 180
 ttaccgtcgc cgggtggagaa ctgtctgcct cacacgttgg gatccgcgga gtcgggtgcag 240
 actgtagtgt ccagcagcag tgtagccgaa ccaaattgaa gcacagcacc ccccgggcgag 300
 gacaagcagg aattggagcg ccggcgactg atgatggaag caagtgcccc agaagacatg 360
 gatgcccata ccgacaactc cgccatggat ggaccagtg ctccgggtctt ccattgatgac 420
 caccagcagc aactgggtggg aggagcagcg cacggggacg agtcattacc gcgttaccag 480
 cgataa 486

<210> 5442
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 5442
 ctttttaccg gcgacaatcc caacaagccg ataggcagac agatagataa ctactgtcac 60
 ctttaacctag gttacctcca tccaaccgca atagggtgtgc gttccaagcg ggctggcttg 120
 gcaccgtctc taagcggcca cgcgacgaca cttatcttca tcgcctctca ccagccattc 180
 gccctcgtct tctccttttc ctacctcacc ttttctgcgg tgtcctcttc cgtcaataat 240
 ccttttccagt gcttctccat cgcaagcaac catggccttc aggaacgggt cctttgcgac 300
 ctctctgata gtttgcgta a 321

<210> 5443
 <211> 453
 <212> DNA
 <213> A.fumigatus

<400> 5443
 gcggccacgc gacgacactt atcttcatcg cctctcacca gccattcgcc ctctgtcttct 60
 ccttttcta cctcatcttt tctgccgtgt cctcttcogt caataatcct tttcagtgt 120
 tctccatcgc aagcaaccat ggccttcagg aacgggtcct ttgcgacctt cctgatcggt 180
 tgtcgttaag cccccccat ccacctcctg gaacacttcc tcttcagaac aaccattcta 240
 acaggactcc ccaaaacagc cgtcagcttc ttctgggcca tcatcttctc cctcttcccc 300
 tatgactacc ccattcctgtg gtccacgggc cctaccccc cagccacta cgactacctc 360
 gaagcgcacc tgcgcttctt gcacgcctcg ccgcccctaa tccctcgcat cctccacatc 420

gtcatctttt tgggtctggc cggcctcgtc tgc

453

<210> 5444

<211> 987

<212> DNA

<213> A.fumigatus

<400> 5444

ccgacctcgc	atagatacaa	ggcagcctct	ctgccggcct	ccttctcagg	tttgaaggcc	60
gccaagacca	agtctggcga	cattcgtttc	gtggcctatg	gccaatcgta	tcccaatgga	120
actgcataca	atgaagagct	tgctaccgct	cctctgagct	ccgcgcgcgt	ctacgatagc	180
atctacgtgc	gccactggga	ctactggctc	agcaaccact	tcaacgcagt	cttctccggc	240
actctgaaga	agggacatgg	aaagaatggc	tacagcttgg	acggggaact	caagaacctg	300
gtttctcccg	tcaagaatgc	cgagagcccc	taccacccgt	tcggtggtgc	gtccgactat	360
gacctctctc	ccgatggcaa	gtgggtcgct	ttcaagagca	aggctcctga	gcttcccaag	420
gccaatttca	ccacatccta	catctacctc	gttccccacg	atgcctcaga	aacagcccgt	480
cccataaatg	gccccgatag	ccccggcacc	cctaagggtg	tcaagggtga	ttcaagcagc	540
cccggtgttct	cccccaatgg	cgacaaactc	gcctacttcc	agatgagaga	cgagacgtac	600
gaatccgata	gtcgcgtcct	gtacgtctac	tccctcggtc	cgaagaagac	cattcccagt	660
gtcgcaggag	actgggacgc	ctcccccgac	agcgtcaagt	ggacaccgca	cggcaagacg	720
ttgatcgctg	gaagtgaaga	cctggggcgc	acgagactct	tctctctccc	tgccaacgca	780
aaggatgact	acaagcccaa	gaattttacc	gatggtggct	cgggtgtccgc	gtactacttc	840
ctaccgcact	cgagtctgct	ggtaactggc	agcgccctct	ggacgaactg	gaacgtctac	900
actgctaaac	cggagaaggg	cgtgatcata	gaagattgcg	tctgccaacg	agatcgatcc	960
cgagctcaag	ggacttggtc	cttctga				987

<210> 5445

<211> 216

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49), (73)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5445

cgcacaatat	caggaccttt	gtcaacaaat	ggcgccatct	cgcgtccana	tgcttcgacg	60
atgcttgcat	tgntaaccoca	agactgtgga	gaccaagaca	gcgtccaaga	cagccctgtg	120
ttcctgtgct	tctctgcccc	cactgaccag	gctaagctgt	ccgaggccca	ttcatggcgt	180
ggcgaatggg	ctccatacga	gcgtccatgg	atgtaa			216

<210> 5446

<211> 330

<212> DNA

<213> A.fumigatus

<400> 5446

aaagttgcgg	tcttttgcac	gtcgcagtac	tcatttgaga	cgcacaaacg	gacctcgtgg	60
tggagtctgt	tggacctgaa	gactgggtcag	accaagggtcc	tcaccaatga	cagcagtgtg	120
tccgagattg	tctggttgct	cgacgattcg	attctctatg	tcaacagcac	caatgcagac	180
atccccggtg	gtgttgagct	gtgggtgact	caggcttcga	gctttgccaa	ggggtatata	240
cgccttcctg	tcacgtcatt	ccgaaggcta	tctaaccgac	ctcgcataga	tacaaggcag	300
cctctctgcc	ggcctccttc	tcagggttga				330

<210> 5447

<211> 1005
 <212> DNA
 <213> A.fumigatus

<400> 5447
 ggacactgcc tgagcataag gactcaacat caaatcttac tcaagtcaag gcaccacata 60
 gacgagacag tatccacgat gcttgacaaa cgaggagggc catatccgcc tcataacgct 120
 gcaactggggg gtttaccag tgatcatccc gacatcccca tctgtgccgt cttcctcgcc 180
 ctctacatcg gatttgctgc tacaacatg gccaccctgc aaataaatcg tcgcagaagc 240
 cacaagttcc ttatgtcggg aatgctatatt ggcttttgta tggcacggat cactacacta 300
 gtcttgcgca tcgcctgggc caatcgacag cacaacgtcc gactcgccgt tgcgcgcaat 360
 atctttgtca atgcccgtgt gtccttggtta tacatcatca acttgcttct tgcacagcgc 420
 atcctccgag cgaagcagcc ccgaatcggt tgggaatcccg tgttgcgagt tgcataaag 480
 gtcctttacg ccctcgtcgc tgcagccttg atcatggtca tcacggctac tgttgtcagc 540
 gtttataccc tcgacaggca tacgcaggcg caatgcgcgc atgtccagct ggcagccata 600
 acccttctgc tcgtcatcac ctgtcttctt atcctgcacg tctctggttg attcctgttc 660
 ccacgatccg agcaggagga aacattcggg gaaggaagca tggccagcaa agctatcacc 720
 gtgactctat cgtctgcgct gtgcattctc atcggggggt tcaaggctgg cgaaaactgg 780
 agtactcttc gaccagtcac caaccccgcc tgggtccatt ccaagaccgc cttttacgtg 840
 ttcaactttg tcctcgagat ccttatcctt tgtgtcctgg ccctcggtcg gatcgacaag 900
 cgattccata tcccgaatgg atctacaaaag cctgggtgact acaactcgtct cggactgcag 960
 ttggataaag gaaaaggaat ggaaagggtc cccgcttctc gttga 1005

<210> 5448
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 5448
 gcccagacaa accggcgggc gacggcgctg cctgttccat ggcccgcccc ggcaatgatc 60
 gcaattgggt tcaccattgt gaacatcgcc gtgtgcgtac catggggatt gggactgcag 120
 ccccagacga ctacttatca gctcagctcc ttgaccactg ttgacatcat cgccggtatg 180
 cgggtgcccc aggacgggc cttggcatgg gacacatcca tggaaatacc tcgtgaacga 240
 taa 243

<210> 5449
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 5449
 cagattcccc agctctactt tgagcaggct gaagagctag ctccgttact gaacttgaag 60
 ctgcgcgtta agaggaccag cgcaggacct gttcccatgg caggatttcc cttttttcag 120
 ctgacatcgg tcttgaagat actcgtccaa gacttgaata agtacgtggc tatcagcgaa 180
 aagtttgcca atgcccgtg a 201

<210> 5450
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 5450
 ataagtacgt ggctatcagc gaaaagtttg ccaatgcccc ctgaggataa aagccggggc 60
 ggtctgctct tcgatcgcag ggtagccaga attatcacgc caggtagcgt aatcgatgag 120
 aagttcatgg acccttcgga gaacaatttc ttgctggcgg tttatatcga cgtggcagcc 180
 ttgaaagcgc aattagaaca acaggagggc aacctgtctg cgcagcagca catattgtct 240

tccgcatccc	agcacgttgg	cttgtcctgg	ctcgacttat	ccacaggaga	tttcttcaca	300
caatcgacta	ccactcagat	gcttccgtcg	gcgattgctc	ggatcggagc	gcgggagata	360
ctcgtggacc	ataaacctca	ggacctgata	gggcaggagt	tgcaacttct	ggttgggcat	420
gaccatcgct	tgatgacctt	tttcgcttat	cccagcaaga	ttctgcctat	agcacagtgg	480
agctctgtgc	ttgaggcgca	agtagctgac	caagattccg	atgcttttac	gccggaagag	540
gtcgcagccg	gttatagctt	gctggagtat	atcagagttc	ag		582

<210> 5451

<211> 558

<212> DNA

<213> A.fumigatus

<400> 5451

tgccccaaaa	ccaagaaaaa	acccggtcga	cctacagata	tcgagcgagg	tcgatccga	60
gaaagcgagg	atgtgctcgc	tagagaacag	agaaaacgtc	gcgggcaaca	gcaattacgc	120
ggccagggtta	ttctctctgc	tgccgatgct	ctcatcgaag	ggttgaaata	ccgccctcga	180
acgccccgcca	cccgcgcgac	gtacgatctt	atccttacaa	tgactgcaag	ccatctgggt	240
gagtccctc	acgaagtcgt	taggagtgtc	gccgatgctg	tggtggagtt	attgaaggat	300
gaagatatga	aagattttga	caagaaaaag	gagattgacg	acttgctcgg	cagctccatg	360
agcccaaaaag	agttcaatga	acttgtaaata	ttgggaaaaga	agattacgga	ctacgatgcg	420
caggacgagg	acgaagagat	ggagggcgga	atggatggcc	aagaagaggc	agagctcgac	480
gaacgtcagg	gtgttgccgt	cgtcttcgac	gaggaagacg	aggatgatga	gcgcattggc	540
actgtcactg	aagtccga					558

<210> 5452

<211> 531

<212> DNA

<213> A.fumigatus

<400> 5452

ccaaatatca	tcattggaata	tcgtacacaa	gctggagaaa	aagaagctcc	tgatcgcgat	60
caatttgttt	gctgctctgt	caatcctctt	ctttggtttag	tctgtcgtat	agcatcacta	120
atgctttctac	tgatcagata	ttcaggttac	gaccagggaa	tgatgggagg	agtaaacaac	180
gccaaagact	acattgatct	gatgggcttt	ggttacaccg	agatgaaaga	tggccagcct	240
actccagttg	tcacaaatag	cttggttacaa	ggaggaattg	tctccgtcta	ctatctcgga	300
acgcttttgcg	ggtgcctcct	tggtggatgg	atcggagact	ctatcggttag	aatcaagacc	360
attgcttcgg	gcgctgtgtg	ggctatatatt	ggcgccgctt	tgcaatgctc	agcgcaaaac	420
cacaactgga	tgatctgcgg	taaggcttca	ttcttaccat	caaccgatag	gttcgctgtg	480
actgaccaaa	ctcagcccg	tttatcaacg	ggattggcac	cggtattctg	a	531

<210> 5453

<211> 195

<212> DNA

<213> A.fumigatus

<400> 5453

ccaaactcag	cccgttttat	caacggggatt	ggcaccggta	ttctgaacgc	aatcgtgccg	60
gtctgggcta	cagagactgc	tgaacacacg	tctcgtggac	agttcattgc	catcgagttt	120
accctcaaca	ttttcggtgt	cgttttggcg	tactggctgt	ctacacggcc	cggggctgga	180
aggctaccgc	gctgc					195

<210> 5454

<211> 1311

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (541), (605), (1300), (1301), (1302), (1305)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5454

aacaatatca	ccgagggttg	gctgttttgc	gttttcgggg	tcaagatggg	ttccaaaaag	60
tgcgagtcga	agcctcccc	tagcgctgct	ctggattata	aacctgcgaa	caaattgagg	120
cgtcaaatgc	ttcatgtcaa	gcgcaagcgg	gctaaggact	cggagcgacg	agcagaacga	180
tttggaaaga	aaaaggaaga	agccaaaaac	ccgaaattga	aggaggagcg	tctcaagcga	240
aatattccgc	tgactctgga	toggaaacgt	gtctgggacg	aggccgatag	tgacgttgaa	300
gatgccctcg	gcctcagcgt	tgacgtcgag	cgcataaagc	gacagaagaa	agaagaggag	360
gacgaactca	acaggccttt	ggacgataaa	gactcgggtt	cggacgaatc	tgaagatgat	420
gtcgacagca	tgctagccac	cagcgacgag	gaagaggacg	gagatgagaa	ggctaagaag	480
gatgataccc	ggggtcgcaa	aaagtcctcc	cttccatctg	ctacagaacg	agcaacctct	540
ncgagccagt	cgactcggag	tacgaacctc	aacctagcgc	cagaggcact	cgctgccaaa	600
tttctacgt	tgttcccttc	agagcctcat	ccgacaccca	agatcctcat	caccacctcg	660
ctcaactcta	ccctccataa	cgaggccaga	tcccttaccg	atctgtttcc	taacagcggt	720
tatatccgtc	gtacggccca	tgcctattcc	cacaagttct	ccatccgcga	gattgctgcc	780
ttcgcgtcga	atcggaacta	taccagcgtc	gtggttctcc	aggaggatca	gaaacgacct	840
tccggtctga	cgatcgtcca	cctacctcag	ggtcccacct	tccattttac	tattagcaga	900
tggatagaag	gcaagaagct	tccgggacat	ggaaatgcca	ccgagcaccg	gccggaatta	960
atcctcaaca	acttccggac	tcctcttggg	ctacttaagg	cccattctct	ccggagcatg	1020
ttcccaccac	aaccggacct	agaaggacgt	caagttgtca	caattcacia	ccaaagagac	1080
tacctatttc	tccggcgctc	tcgttatgtg	ttcctgtgaga	agcgcgagac	tgaaaagagt	1140
gtcgttggtg	cagacggcaa	agagatcaag	ggtgtggaag	gcattcgcgc	cggccttcaa	1200
gagcttggtc	ccgcaataaa	cttcaagctg	cggcgagttg	acaaaggaat	tcgtcttcac	1260
cacggggctg	gaaggagcgc	tgccaaagtc	caatctattn	nnangaagg	c	1311

<210> 5455

<211> 495

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (22), (86)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5455

ggctctgaag	ggaacaacgt	angaaatttg	gcagcgagtg	cctctggcgc	taggttgagg	60
ttcgtactcc	gagtcgactg	gctcgnagag	gttgctcggt	ctgtagcaga	tggaagggag	120
gactttttgc	gaccccggtt	atcatccttc	ttagccttct	catctccgtc	ctcttcctcg	180
tcgttggttg	ctagcatgct	gtcgacatca	tcttcagatt	cgtccgaacc	cgagtcttta	240
togtccaaag	gcctgttgag	ttcgtcctcc	tcttctttct	tctgtcgctt	gatgcgctcg	300
acgtcaacgc	tgaggccgag	ggcatcttca	acgtcactat	cggcctcgtc	ccagacacgt	360
ttccgatcca	gagtcagcgg	aatattttgc	ttgagacgct	cctccttcaa	tttcggggtt	420
ttggcttctt	ccttttttct	tccaaatcgt	tctgctcgtc	gctccgagtc	cttagcccg	480
ttgcgcttga	catga					495

<210> 5456

<211> 612

<212> DNA

<213> A.fumigatus

<400> 5456

gaagaaaatc	aagggaaagg	ggagattttt	gattttttcta	actcacgttc	gtttcatctc	60
ttacgtacca	gctccccttg	tctttcatta	cgcgtcgtcc	tcagggttcgt	tggttctggg	120
ggtcgactca	cgtggtggat	gactcaattg	ccattttctc	gactctctct	tccccgccaa	180
attcctctct	gtagccccgc	cagaagcttt	ttccacacca	ctgccgcact	ccaggctgtc	240
caggcttcca	agaagaatca	gctcacgatg	gcgaccgtaa	acacaaagac	cggggaaggtc	300
gttgaccgca	cggctcttga	ctcaatgctc	cggcgccggc	ttttctacac	cccgtctttc	360
gacatctacg	gaggtgtttc	cggcctgtac	gactacggcc	cccccggtac	cgccctgctg	420
aacaacattg	ttgacctgtg	gcgcaagcat	ttcgtgctgg	aggaagacat	gctggaagtg	480
gactgcacca	tgtcacccc	gcattgaggt	ttgaagacca	gcggacacgt	cgacaagtgc	540
gccgattgga	tgtgcaagga	ccccaaagact	ggagaaagtc	ttcaccacgc	gggtggaagg	600
atccacgcga	ag					612

<210> 5457

<211> 384

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (223)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5457

cctggaagat	cgcgaagaag	cgcgacctcc	ccgcgctcag	ggacaagaac	gatctccccg	60
agcgccgcga	agcagacgtc	gacgtcgaac	tcggcgactc	ccccaaaggat	ggagagcacg	120
agttctccgt	gctcaacccc	acccaacagc	gcaaactcat	gcaccatcaa	gagaaattcg	180
ccaagtccca	taccttctac	aagcctcatg	aaacatacac	ccnaccacgc	cttcccacta	240
cgctctctca	tcgccatcgt	tgtcctcctc	gactgccact	ccctctttca	gatcgccctc	300
ggcgcttgca	cgtggggcat	caactaccac	gtgcgcccct	tcgccctcac	aactgtcatc	360
ctctgctgct	ccatcacctg	ttaa				384

<210> 5458

<211> 819

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (653)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5458

acgatcgggt	cagacatatg	ttacattcgc	gacgctctgc	cttcaagcgg	tccatggttg	60
ggtttggtaa	atatgtatcg	aaacgtaagt	cgttggacgg	catgtttcgg	ctgctcttat	120
gatccgtggc	taatagcagt	ttgtcgacag	cgtcgggggt	tttggttact	ctatacgcaa	180
ctctcatcac	cctttttggg	cttgcatggg	tgtttttcct	tattggtatg	ctctcctcct	240
cagatattac	caactcctgc	cgctgcacata	caaaaagggt	ggatcaatgt	gggaggaagg	300
caactatacg	tcacatgt	catcgataac	gtacttgtgg	ctttattcgc	gatcatgggc	360
gacgggctgg	cccccttccg	agccattgac	acctaccaca	tgatctttat	tgcgactac	420
acctttttta	cctggaagat	ccgcaagaag	cgcgacctcc	ccgcgctcag	ggacaagaac	480
gatctccccg	agcgccgcga	agcagacgtc	gacgtcgaac	tcggcgactc	ccccaaaggat	540
ggagagcacg	agttctccgt	gctcaacccc	acccaacagc	gcaaactcat	gcaccatcaa	600
gagaaattcg	ccaagtccca	taccttctac	aagcctcatg	aaacatacac	ccnaccacgc	660
cttcccacta	cgctcctca	tcgccatcgt	tgtcctcctc	gactgccact	ccctctttca	720
gatcgccctc	ggcgcttgca	cgtggggcat	caactaccac	gtgcgcccct	tcgccctcac	780
aactgtcatc	ctctgctgct	ccatcacctg	ttaaaatca			819

<210> 5459
 <211> 1047
 <212> DNA
 <213> A.fumigatus

<400> 5459
 cggatgtaca gaacggaaac gggccagttg atgacctctt ttcgaccacc agaagacaaa 60
 ggatgggact ggggtgcggc ctcggagcag gtcaagaagt atctgggtgt cgaggagcgt 120
 tctccgggga tttatgagct gatcgctctc gacgggtggc cttcaaaggt tctgtctaac 180
 cgaccagatg gttcttatgc taaaaaggat ctcttctca agcatccac tatggaagca 240
 tacaagtact acgctcgact ggacgacacg attgtctcg tcaatggcga aaaagtcaat 300
 ccgctggaca tggagggtcg agtcaggcag catgatgcg tctccgaagc cgttgtcttt 360
 ggagctggaa aggtctgtat cggactgttg gttattcgtg cgcctggcac cgaggttata 420
 tcggacgagg aactcaatga agccatctgg ccgcccgtta cacgggcgaa ccagacaatg 480
 cctgcatttg gccagctttc aaagagcatg gttcgaatac tcccggccga cacgcaatac 540
 cctcggacgg acaagggaac ggtcatcagg caggctttct atcggacct tagcaagttg 600
 attgaggagg cctacgaggc agagaatgcg tcgacggggg cattgacct ttcagaagcc 660
 gagctgaaag actttctcag agagcaactc catcgcttgt taccactgaa gaatggccat 720
 gtagtgactg acgacgcaga cttctttacc ctccggatgg actccctgca ggctacacag 780
 ttgcgatctg ttcttctgaa gactctagac acaaaagggc agaagttggg attgaacgtc 840
 gcggttgagc accctacaat caatgcattg gcgcgctatc tgaatggcct tggttctggg 900
 gtctcggacg gcccgcgtgc tgtcaggag cagatgagcg cctcatctc aaaatacagt 960
 cagttcgaac cgcacaggcc tatccctaag gggctgaagg gcagatatgt tgtaagtttg 1020
 tcattctcgt ccatactctgt catataa 1047

<210> 5460
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 5460
 acagaagatg tcgatacgaa cctcgtgccg cacttggatt ctgaggccga gtcgaagcat 60
 gtcgcgtgga tcatccactc gagcggctcg acggggctcc ccaagccgat tttccagacc 120
 cagagcgcgg tcatcaagaa ctacgcgggc aacatgaaca tgaccgggtt catcacgtg 180
 cctttgtacc ataatcatgg actaagctgt ctattccgcg cagtgcactc atgcaagtcg 240
 ttgcgtctgt acaatgcgga gttgccgctc acaaagcagt acctgttgga catcatgcgg 300
 tcccacgagt ttgagatctt ctatggagtt ccgtatgccc tgaaactgct cgccgagtcg 360
 agcgaaggta ttgctgttct ggccaagttg aaagcagtc tgtttggggg ttctgcttgt 420
 cccgattcgc tgggagatct ccttggttgag aatggagtca acctgatcag tcaactatgga 480
 acgtag 486

<210> 5461
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 5461
 actggcgcg cacaaggcagt acaccttttg gacgtcgtcg aggggtggaga ctttcgcggc 60
 gacatggctt ccaagggatc cagtggcgcc cgtgacaacc tggaagtggt caattatatg 120
 acagatatgg acgagaatga caaacttaca acatatctgc ccttcagccc attagggata 180
 ggcctgtgcg gttcgaactg a 201

<210> 5462
 <211> 336
 <212> DNA

<213> A.fumigatus

<400> 5462

aagctggcca	aatgcaggca	ttgtctgggt	cgcccggtga	acggcgggcc	agatggcttc	60
attgagttcc	tcgtccgata	taacctcggt	gccaggcgca	cgaataacca	acagtccgat	120
acaagccttt	ccagctccaa	agacaacggc	ttcggagacg	gcacatgct	gcctgactcg	180
accctccatg	tccagcggat	tgactttttc	gccattgacg	aggacaatcg	tgctcgtccag	240
tcgagcgtag	tacttgtagt	cttccatagt	gggatgcttg	aggaagagat	cctttgtagc	300
ataagaacca	tctggtcggt	tagacagaac	ctttga			336

<210> 5463

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5463

caaacgtctt	tcacgtttt	tcgatctgac	tacggatcgc	cattctttgt	tttgagacat	60
gttcatccaa	tgaggaggac	gcggatctgg	gcaagcgact	tacagcgct	gattgacaca	120
gcagcatggt	tcgcctctgg	tcttttcagt	ctgaaccagg	aaaagaacga	caaagctacc	180
ctgtttactc	aaaaggagtg	gggacatttc	acgtacgccc	gcgacgcgat	tcattactat	240
cgcgcgggtc	ctggcaatcc	atatgctggt	gcgatgggtt	ag		282

<210> 5464

<211> 639

<212> DNA

<213> A.fumigatus

<400> 5464

agtctcgtggc	gtccagttga	gccagttgac	gaaagaagga	aaggaccaac	tggccctcta	60
cgtcgctcaa	agaaaagtcg	tcggtacgtt	atagactcca	gcctcgtcga	tcacatcgtg	120
acggtgtccc	cagccttcog	tgaccaggat	tttgcccac	tccccattga	aaaagccctg	180
gagtttggtg	gctacttcgg	cgcacacccat	atccatcaaa	cctccggagc	tcccagaggc	240
tatccggaga	tccacctcgt	gcacgcgggt	gcggacgacc	ggagtgggtg	cgagtttctg	300
gctacgcgga	caaataccgt	gacctggcac	tctgacgtaa	ccttcgagaa	gcagccgccc	360
gggacgacct	tctgttatct	tctggatggc	ccgaccagtg	gaggtgacac	tctctttgca	420
gacatgggtg	aggcatacaa	acggttgctg	cctgagttcc	gcaaacggct	gcacgtgctg	480
aaggcagtgc	actctggtat	cgagcagatc	aatgctagtt	tgaaccgagg	gggaattgca	540
cgcggggagc	ggatcacatc	ggagcatccg	attgttagga	cgcacctctg	aagttggcca	600
aacttcagca	ggctgggtgat	agtgattgat	atcgtttag			639

<210> 5465

<211> 234

<212> DNA

<213> A.fumigatus

<400> 5465

acaactgata	ccattagaga	tccccactg	acgccgtttg	agcactatga	ccatggcaaa	60
gacgccgac	cctcctttcc	tgaccttctg	cctccgggta	aagtccaggt	ggacaacctc	120
acgccaaaca	ttggcagtga	agtctcgtggc	gtccagttga	gccagttgac	gaaagaagga	180
aaggaccaac	tggccctcta	cgtcgtcaa	agaaaagtcg	tcggtacgtt	atag	234

<210> 5466

<211> 267

<212> DNA

<213> A.fumigatus

<400> 5466
 ttgatatcgt ttaggttact ggagagaaa ccoctgtttgt caatccacaa tgtgagtatt 60
 ctcttcacca aagacaggtt ctcttctaac tgggcagtta ctcgttacat tgtgggatac 120
 aagaaagaag agtcggacat gcttctcaag ttcttgtatg atcatatcgc gctctcgcag 180
 gatctgcaga ctcggtgccg atggcttcct ggaacagtag tctgttggga tgtgagtata 240
 ctgatcttgc ggtctggaaa gtactaa 267

<210> 5467
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 5467
 aatcttgaca tccaaaggct cctggaaaca aacgcagcta ccaacctcat catgcctgt 60
 aggaataaca ataacaacac tcccggaccc tggggaagcc aatgtgcctg tctttgtctc 120
 gacagcaccg gtcagagaga cttcatcgaa ggcggcgcgt tcatggaaag tgacgacgag 180
 gaggggtctcg cttggcagca tgtcgaggat atatctatcc tgacgcctga ggaacaggac 240
 ttttccctcg gtgcgacggg ccggaatcgt gagaatgggt ttaagaaccg ttgtatctcc 300
 gagtctgcct ctgcaaaaga gtgtggctct aaaaaggggg tctttggctt ttgtgcgaag 360
 agtaagtgtg agggtaaggg taagactaag ggtcttgctg ggaagaattg a 411

<210> 5468
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 5468
 ttcgagaaaa gcgcctactc ctccctggac gcttccaact gccgtgttga tgccgagaag 60
 gacccgaggc ttgaagccga tactggctat aagggaaacc agagcggctt ttgcttgaaa 120
 tggcaaggca tggacgggtt ttttgtcact gagcaggggt tagtcgaaca gagtcgtgaa 180
 atggcggggt ttcttacaag cctgtaa 207

<210> 5469
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 5469
 cccctgctca gtgacaaaac aacogtccat gccttgccat ttcaagcaaa agccgctctg 60
 gtttccctta tagccagtat cggcttcaag cctcgggtcc ttctcggcat caacacggca 120
 gttggaagcg tccagggagg agtaggcgct tttctcgaac tacccaaagt ttccgtcaat 180
 gtgacacagc tccgtaacgt caacgaaaag tgcgagtcgg tctcaaaccg cgagggttaag 240
 cttacatcaa tgctggacaa tatcgttggg gactttacga atattgttcc caccgtggac 300
 atcaatctgg gagcgtggc gaatttcogag gttgatgtcc cacgcgtctt caccgaaaca 360
 gccgctgtgc aaaccgtatt ggcttcaact tcataccctc tgcccacggc gtgcttgcag 420
 tttgattcgg agagcggcga atacagttct cctactccaa ctccgactcc tacttcagta 480
 tgcgtctgctg taggtaaggc tgccacggct gaggcgaaga aaagccgggc tggttctgtg 540
 ggaatcaatc gtaggtttgt gtttttgtca gtgattgtga gtttgtgtgt cttttag 597

<210> 5470
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 5470
 aaagaagaga acgccgcttt ctgtatcttc cagccttttt ccctacctct tttccggttg 60

attaacacat	cttggaccat	ggcgacggct	aatgcttcaa	ttacggactc	accacggaag	120
tcgcttatcc	tcaatgcgtt	cggttgagatg	tgtacgcatt	caatctctcc	gtgcctgact	180
attctgacat	accacaggca	gcggccacca	gtctcccggg	ctgtggcgac	accagaaga	240
cgaatcgta	cggttcaacg	acgtagacca	ctggatcgag	ctggcacagt	tgttggaatc	300
cgccaagttc	catggcatct	tcatcgccga	cgctcctagg	ggctacgacg	tgtacaaagg	360
ggctcgaaaa	cttgcctccg	cgattgtttc	cggaaccgca	atggccccgt	caatgagccc	420
gctagcttgt	ggtttccggc	gaaatgcacc	ttgcaacaaa	aaattattct	gctttgg	477

<210> 5471

<211> 291

<212> DNA

<213> A.fumigatus

<400> 5471

cataccacag	gcagcggcca	ccagtctccc	gggctgtggc	gacacccaga	agacgaatcg	60
taccggttca	acgacgtaga	ccactggatc	gagctggcac	agttgttggg	atccgccaag	120
ttccatggca	tcttcacg	cgacgtccta	ggtggctacg	acgtgtacaa	aggggctcga	180
aaacttgctc	cggcgattgt	ttccggaacc	gcaatggccc	cgtaaatgag	cccgctagct	240
tgtggtttcc	ggcgaaatgc	accttgcaac	aaaaaattat	tctgctttgg	g	291

<210> 5472

<211> 333

<212> DNA

<213> A.fumigatus

<400> 5472

tcacctatca	ctcgaggctc	aactcaaag	ctgataccta	atcctgcagc	cggtgagctc	60
gagaatctca	ttgacgagtt	ttcggaggga	aagattcagt	tcgctttcgt	caaagtcacc	120
gatccaaaca	gtgggtctcc	gaagaatgtc	ctcatcggt	ggtgtggaga	aggcgtctca	180
aaacgaacga	aaggatactt	cacaagccac	ttgtctgctg	tcacaaagtt	tttatccgct	240
ggtgccccct	tgtccagctt	agatgaacgt	aatattctga	tattaggcta	ctccagaact	300
accatgttca	gatactgca	cgctctgagg	tag			333

<210> 5473

<211> 855

<212> DNA

<213> A.fumigatus

<400> 5473

tattctgata	ttaggctact	ccagaactac	catgttcaga	tcactgcacg	ctctgaggta	60
gatctgacac	ccgaagggaat	aatacagaaa	gtcggagatg	cctctgggtg	gaaatacaca	120
cctgaacgag	cttcgccagt	caactgctttg	cccaaacgt	ttccggttac	aagcaagcca	180
gcattcacac	ccaccagaac	tgttgoggta	ggctcaaaga	cgtgttcaaa	tgtttccact	240
aggggtggtt	caagaacgag	cggcgatgaa	gatgattggg	gtccagatgc	gcccccggtt	300
accaggacag	aacttgaaaa	agttcagtc	gcgtacaagc	caactaaggt	tgacatcgag	360
gcaatcaagt	ctcagaacct	tcccagaaca	tcctattatc	gtgagcttcc	cgttacagag	420
aacaatgatg	ttgttaaggg	tggctatcaa	ccgataggca	aagtggatat	tgctgcaatc	480
aggaaacaag	cgcgggaagc	aggagaattg	aaagaagacc	gacccgagcc	tgtgagaggc	540
gcataatgag	ccgttggttaa	ggtcgacatt	gctgctatcc	gttctaaggc	gcagaagcag	600
cctgaatcgt	ctgttgacca	gtccatctca	agcaacctg	ttggatccc	taatgaaagg	660
gttgaacctt	cggatttttc	aaaactagcc	gatcagcctg	agcgtttgac	gactttacc	720
aagccgaagg	ttgcgaaaaa	aatcgggtata	agttcaactt	tcacaggcac	aaaggcacc	780
ttgcctggtg	gcttcgtttc	aagccccggtc	cctoctacca	cacagggttg	cattgccaaa	840
ccaacctttt	ggtga					855

<210> 5474

<211> 204
 <212> DNA
 <213> A.fumigatus

<400> 5474
 tgtcccaaga gtgcttgtct cgggccagga accacgacgt acattcatgg atttgttggg 60
 gtcattcatt ccagcaccca ctattttatc atgatgtacc aacacgcac caactgggtg 120
 ttcgccatgt tcgagcgctc tctctcccta cacagcgat ttgtaagcgc tgatccagcc 180
 ttaggcaaag tatcgtacca ttag 204

<210> 5475
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 5475
 tggtcagcct caaccattcc atacctacat cccccacagg cgatccgagt agacgactgg 60
 atgcgcacag aaatggagac tccacgggca ggaaatgaac aagggtctggg catacagcgg 120
 atatggtcca cagatggagt cctcgttgc acctgcattc aagaggtgag tcaaagctcc 180
 ctctcctacc tctcgaatta g 201

<210> 5476
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 5476
 ttgcaaacia ctttgggtga ctgccctcta gaactccctc agaatgtcca ccaccatact 60
 ctgcagcaca aacaagtacg ggatctcatc ggagaccac agccgccac cagcagcact 120
 ccgtacagcc gcacgcccga gctgcgagta actcacaagt tagcagaacg caaacgtcgc 180
 agtgagatga aggactgttt cgaggcattg cgcatgcggc taccacagag ccaaaacaac 240
 aaatccagca aatgggaaac cctgacaaga ggtaccgatt ttatcacgcg ttcttcgatc 300
 gctttcacac tgactttcct ctag 324

<210> 5477
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 5477
 catctcttgt tcagtgtcc cgtcgattcc cgcaagcctg acgatgatga agaaggtgcc 60
 gttaaccccg gctcgaacct tttcgtcacc ggtatccacc ctctgtctgac cgagtccgat 120
 atctcccgtc tgttcgagaa gtacggcgat gtcgagagct gctcgatcat ggtggaccct 180
 cacactaagg aatctcgtgg ctttggcttc gtcaagatgg tcaactgccga gcaggctgat 240
 gctgccaagg agggcctgca ggggtgaggtt atcgagggcc gtactctcag cattgagaag 300
 gccgacgga gccgcccag t 321

<210> 5478
 <211> 576
 <212> DNA
 <213> A.fumigatus

<400> 5478
 ttatgcagtt gctgggggta tggccgctgc ctcccctctc gcattctggg ctatggagag 60
 ggtcagccct tcccatgtgg gccgaggagg ctttgtcct gtgatgcgac tggcgacagc 120
 aatcggtttg attggaggtc tgcacatact ttaccagaga tcttgagta cgtcaacgca 180

ctgaaacctc	tggtagcatg	cattaacccg	agcatagacc	gattctacgg	attcacggaa	240
aatgccagag	aggctgaaat	ggacatgagg	gaaatggctg	acaaagtcaa	aaagggcgag	300
ccgctatacg	gtacatcaca	agtatcctct	tacctacaag	gcgttgctgc	cagaaattcg	360
cggtagctctc	agctttttat	ccatgtcctt	ccttgggtta	acattgtcaa	tcacgaccag	420
gtaagccttt	ttgtttttca	ttgctgtcct	cagaattttg	aacacagttc	gcagttcgct	480
aacgtacggc	agcatgggtg	tgacacagca	aaatattatc	agcaagctga	gcgtgaactc	540
gaagccgagc	gcttgacgac	agccggttct	cactga			576

<210> 5479

<211> 321

<212> DNA

<213> A.fumigatus

<400> 5479

tcgctaacct	tgcatcgag	ctcattgact	ctgatccgta	tgctactacc	cttcgctcaa	60
gcgctcaact	gtggaagcag	atattcacat	caacataggg	accttagaag	agttttcgga	120
tatgctagac	cttctgatta	tgacgttgct	gggggtatgg	ccgctgcctc	ccctctcgca	180
ttctgggcta	tggagagggt	cagcccttcc	catgtgggcc	gaggaggctt	tgctcctgtg	240
atgcgactgg	cgacagcaat	cggtttgatt	ggagggtctgc	acatacttta	ccagagatct	300
tgcagtacgt	caacgcactg	a				321

<210> 5480

<211> 1509

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (82)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5480

acagaacaag	cagctttgag	ttcttcacct	cttcaaattg	cttcgtggaa	tcctcgcctt	60
tgcccaagca	tctcccttga	gntataacct	tcaattctta	aacaagtgtc	tcacctgctt	120
ggcaccaccc	ctgtgtcaac	agtacagcac	aagaagcatt	gttttttacg	ttctacgtcc	180
tcctctcttg	ctgttgctct	tgagacgtac	ctatcaagca	aggttgcgca	cgtacccgcc	240
atacatagac	atacagaata	ccggtctgga	ggctcgtctat	cgctgtgtct	acacggtgag	300
acacacagac	ataaccattc	cgctgtccgc	caccgcgcaa	acacacagca	cagacggaaa	360
catgatgttc	gaagacatgg	cgctcgaactg	cgacgagacc	tcccagcgcc	gcgctttgcc	420
gtgagtgatc	aatgtctttc	atcgtttcca	agcgttgctc	gactgacata	cctttccaca	480
aatagcagca	tacgctccat	ctcaaacagc	tcatccgggc	ctgtagatct	gggcgatgac	540
cgcataattac	cccccttcc	tcgcgcggag	ccattgcctc	ggggaccctt	taaccctttc	600
actttetaaca	tctttgctcc	cagcccaccc	agcccacatg	acactatccc	cgccaagtgc	660
tcgtggccgg	tttcagagca	cattgtcact	cctccctctc	ccgccaaactc	cgccgacagc	720
tcctggcccg	acagtttgac	gcctcgcaag	gcctttgact	ggtcccagga	actctctcct	780
gccgacctgc	tgagcttgat	tgccccgaag	aacatcagtc	ggaagccacc	actgcaacag	840
ttgtgctggaa	gaaagcgcaa	gggaagcatg	atctccgccg	atgttgatga	ccagcgagag	900
aagcaccgca	ttgccgaggg	aaatcgctgc	agaatctca	gccaattgca	tcgggagctg	960
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atcatcgtgc	acctgattcg	ccaggagaat	gaaatgcctc	gacagctgtc	agagaagctg	1140
cagccccaga	tcogctgcat	gcaactccag	caattgggtg	cgaacctgca	acagcagcag	1200
cagacagctc	aacagcagat	caaggttctg	aagcaggaga	accagctgct	ggaagagcga	1260
aaccaagcac	ttgagttcca	acttaagtca	tacgagcaca	tgttccggtc	ccccaaagagc	1320
gagcaaacga	gccctcgctc	cctggcgctg	gtccctgaag	ccaagactca	aaatgtgctt	1380
cctggcttgc	gagttctctg	tgatggcatc	gctgccccaa	gcgccgcccc	cgagccctta	1440

catccaggct cctccacg acagtccttc ggacgtcttc accacggggg tcgaaggatc 1500
cgcgctaag 1509

<210> 5481

<211> 933

<212> DNA

<213> *A.fumigatus*

<400> 5481

cgcggtatccg	ggccgcttcg	tggtgaagat	attggtgacg	aagaagatga	tgacgatagc	60
gacgacgacg	atgacgatga	cgatgacgat	aacagtttgt	ctcgattcat	cgttgatgac	120
gaggatgact	catcatcagt	cagaaagtcc	aagacaaaga	aaggaaagaa	agccaagaag	180
accaagaaga	gccttgcgga	actcaagaag	gaagcctcga	agaatatcaa	gtcgaaacag	240
aaataccttc	gccgattgga	gaaaacctgg	gtcaccagcg	caaagattga	gaaaaccttc	300
gaaatccttc	aggagatcca	ggatcgggag	gatagcgaga	agaccatcat	ctttagccag	360
tttacggcgc	tgctggatct	cctcgaggct	ccaatcgtgc	gtcgaggctg	gggctatcgc	420
cgctatgacg	gcagcatgag	acccggtgat	cgaaatgccg	ccgtcctgga	gttcactgac	480
aatccagact	gcaagattat	gctggtttcc	ctgaaagccg	gcaacgcagg	gctgaacctc	540
gtcgtctcat	ctcaggttat	catctttgac	cccttctgga	accctacgt	cgaggaccag	600
gccatcgacc	gtgctcatcg	catcgacag	atgcgccagg	ttcatatcca	tcggatcctt	660
gtacaaaaga	cagtcgagga	ccgtatcctc	gaacttcagg	agaaaaagcg	cgagattatt	720
gatggtgctc	tggaacgaga	ggcgacaga	aagggtttct	gcctgggaac	tcaggaactg	780
gcctatcttc	tcgtacgcga	gtccatcccc	agttctttga	acaagagact	aactgaattt	840
tcccacaggg	cgttcggtta	cggctcctta	tctttcgata	tgcgtggtat	gggtcttcac	900
cacggggctg	gaaggatccg	acagggtcag	tga			933

<210> 5482

<211> 1239

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (772)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5482

cagttacttc	gtctgtcttc	catatcaacg	ggagttcacc	aaactaacca	ccacaatggt	60
ggcacccgtg	ctactaatat	acgtccagcg	cccacgtctg	ttaatgttga	gactgggtgt	120
acggccttgg	ggcacttgcg	tcagccaaca	cagctacctc	agcctcttag	cctgttctcc	180
aacatatcat	cactagcttt	tgaagatgtc	ataccaaata	ccaacacata	ctccgtctcg	240
caatccacgg	acggttcaga	ctcttcgtct	tggcgggaca	ccaaatttag	agcgtacgag	300
gtgcatcaac	agacaagcaa	gtccaatgct	gatcaagtag	agctgagtca	aggcgttccc	360
tacggctctt	ccagaggagt	gacaacgaca	ggaggaacgc	gcgcccaagg	acacaatata	420
cccatcactc	gtcccaaagg	aattccggac	agcagtttac	cgagtgatcg	cagatttgta	480
cttcaaattc	cggcgacaag	tacaatgcag	gggacggaac	atatgaatgt	tgagtttagga	540
gtcatttcgc	cctctgccgc	gggggttaggc	caggcatcta	tattgccaaag	tcccagcagt	600
aggaaacaac	cctcttccac	tcaacgtgtg	ggcctcacgc	cggggggtact	gggagggtct	660
tcaatgacat	ttacgccaga	tccctcactc	gtaggccaat	ctggagtga	atcaatcatt	720
aatctctctc	tcgtaaaagac	tgggtcaggc	tccctccaaa	ttactacacc	ancggacaac	780
gcctatcttt	tcttcaaaga	ccgggttgga	gcctcagagt	cgacggcgat	tgtcgggtaca	840
ttgtcagcgc	aataattctgt	caacatagca	acagatgcgg	acaaaccggt	gcagacggat	900
ttcttggtgc	cgcaaggcca	cattacgaca	ccattacttc	agagcttaca	gagactgact	960
actgctcaca	gccagcaact	ccatatcact	gtcactactt	caacacacag	gtcatattca	1020
ggcagcataa	gttcacagc	atccgatcag	cttgacaaag	gaatgtccgg	gagggccatc	1080
ggtgtgatgg	taggggctgt	tgctggaggg	acttgtggtt	tccttggtat	atttctcatc	1140

gcagtgcggc accggaagag aaagcgccga aggatttggga taagcaacca gttctggggag 1200
 gatccaaacc gttcatacat ttcgtttggg tccacgtaa 1239

<210> 5483

<211> 477

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (14)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5483

gtatttgatt	tacntggcct	gcgtgcatca	ttgactgcct	ttattgacca	aattgatata	60
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caacaacttg	ccctgcagga	gaaagtttca	ggtgatgtgg	agctgttcta	cccagatggg	180
ccttggcctg	ctcccgagg	tgaggaattg	gatgtccggg	catgggggtt	cggtgatttt	240
gaacacggtt	tgattaaagg	cttggatata	tccatcctga	agattttaga	catactagat	300
ctgtacgggc	ctttcagcgg	ggtaatggga	ttctcaaccg	gggcggctgt	tgccgcaatt	360
attgcttcta	tattggagcg	gcacgaacgg	atccagatgt	tcattcgggg	acacatccac	420
gaaggcaagc	tagtgcaagt	cttcagggat	ttcggcaaac	tcactgacgc	gatatag	477

<210> 5484

<211> 321

<212> DNA

<213> *A. fumigatus*

<400> 5484

attgctcacc	ctccactcca	gtttgttgtc	tgtttcagtg	gcttcagact	tggaaatctt	60
caatacgggt	ccctttattc	cccgaagcta	gaaacaccgt	cgctgcacct	cattgggtgta	120
ctggatgcaa	tgatagcagg	gcatttaacg	gaagacttca	gcgcacagtt	catgagtcca	180
aaaatacagc	gatttttttg	tgctcattat	gttccgaaga	cggacaggac	aatcaagct	240
gtcggcaagt	tcattcttta	ttgggtgccg	cagtcgctat	caaggctccc	tacatacctg	300
ttgccgtgga	actccatttg	a				321

<210> 5485

<211> 597

<212> DNA

<213> *A. fumigatus*

<400> 5485

agatcaggcg	ctgctccacc	tggagctatt	ccctctgggt	ccatacccac	cggcgctgtt	60
ccctcggggc	ctcccaatgg	ctttggcggt	ttcggacagg	gcggtcacgg	cggcccagga	120
ggcccaggcg	aggaaggctc	tggtccttct	cctaccggcg	ctgtcccttc	cggagccatc	180
ccctctggag	ccgtcccttc	cggcgccagt	ggaggctttg	acggcttcgg	acaggcatct	240
gagaactctg	gcaacgcccc	gttccaatct	tctggcacct	cgccatttgg	tgcttcccat	300
tctggatcgg	ctagcgggtc	tcagggcggc	cgtcacgggt	gtgaccaccg	tggtcaccac	360
ggcaacggct	ctggcgcgat	tccttccgat	gctgctcctt	ctggtgccgc	tcctcttggc	420
gcccggggag	gtttccctgg	ttttggacag	ggcggcgagg	gctctggccc	ctctcctact	480
ggcgctgtcc	cctctggtgc	tgccggattt	ggtggtcagg	gtcacggcca	gggccagggt	540
tcattcccca	ccggcgctgc	tccatctggc	gtccccctct	ctcagcctac	tgcttga	597

<210> 5486

<211> 390

<212> DNA

<213> *A.fumigatus*

<400> 5486

gaagaccttt	tacaggcttt	cggtgcattc	cagagctact	accaatccga	tctgctgcac	60
accagctctc	cgtctcgcat	tgcttgggtg	ggcactgtca	atgccttttt	tctcatctcc	120
actggcgctca	tcgccggtcc	ccttttcgat	cggggatacc	ttcaccatct	gatgatcgcc	180
ggctgtttcc	tgaccacctt	cgggctcatg	atgctgagtc	tgteccacgca	gtactaccaa	240
gtgtttctct	cccaaggagt	ctgttgtggc	ctgggtagtg	gcttgatcta	cgttcccgcc	300
ttgtcattag	tctcaacgcg	ctttaccacg	cggcgtggca	ttgcagttgg	cctggtcacc	360
tcaggcgcca	gcgtgggtat	gcttcactga				390

<210> 5487

<211> 801

<212> DNA

<213> *A.fumigatus*

<400> 5487

gctgatgaaa	atcactctac	cccaggcgga	gtcctctttc	ctatcatctt	cattcgtctt	60
caaccacgta	taggggtttc	ctggacggta	cggagcttgg	gcttcattca	gctggcctgc	120
togtgcacgc	cagtcccgcg	gctgatgggtg	accaccaaga	cccgaacgag	tcctccccgg	180
aagctcatcc	actggcatgc	gatgaaggaa	tgagagcttca	acgcctatgg	gatcgccaac	240
ttcctcatgt	tcattggccta	cttcattccg	ctcttctatg	tccttgcctt	tgctcttacc	300
gccctccgct	cttcaccgca	ccttagtttc	tacatgggtct	ccatccctca	cgcaggctcc	360
gcattcggcc	gcacgggtgc	atcccttctg	acctaccgac	tcggcgccag	tagcatccta	420
cttgccagcg	tggttgccctc	ggcgggtgctc	ctttttggct	ggattggcat	ccactccgtc	480
gcctcgtttg	togtcttctg	cgtgctcttt	ggatattttt	ctggcgtgct	catctccgct	540
aatccgctag	tcattgcccc	cccggtagtc	tcgcccaccc	cttcagtgat	tgggacgcgc	600
atgggcatgc	agtgggttgc	taccagtctc	ggcgtgtaa	ttggagcgcc	tattgcgggc	660
gttattgagg	gtcatggggg	agataatggc	tttctgggat	tgcaaactct	cagtggagcg	720
gggatggctg	cgggagcagc	gtttctgctg	gtacccttta	tggcagtttg	gcgacatgac	780
aataataaaa	acaaggcgta	g				801

<210> 5488

<211> 402

<212> DNA

<213> *A.fumigatus*

<400> 5488

catggaatct	gggatgcgga	ttcgccaaga	ccaaggctca	gctcttttgc	tttcgctttc	60
ttgccggcat	tgccggcagc	gcaccgttgg	cgattggagg	agggcgccatc	aggtaagaag	120
tggtatgcaac	caccaagaga	ttcatccttt	gctaaccctg	cttgtagcga	catgtggagc	180
gccgaagagc	gcggcaaggc	tatgggtgta	tacactcttg	ggccgctcct	cgggcccgtc	240
attggaccca	ttgccggcgg	cttcattgcc	caatactoga	catggcggtg	ggtcttatgg	300
gcaacctccg	ccgccgccgt	cgggaatccag	gtcgctggat	tgatctggct	gcgtgaatgt	360
caccgggcca	cgtcttcacc	gcggggacga	aggatatgct	ac		402

<210> 5489

<211> 561

<212> DNA

<213> *A.fumigatus*

<400> 5489

gaatcagttg	atgtttcccc	acccaagatg	gacgataaga	ctccatttgc	ctcctgagag	60
ggcatcacgc	cttccccctca	gaaggaagac	cttgaagcag	ccaaagagac	aatcccaacc	120
aagccatcca	acacaggccc	agatctcggt	acatggagcg	ggccaaatga	cacggagaac	180
ccccaaaact	ggcccaacag	cttgaagtgg	aagaacacct	gggcgatttc	cctcttcgtc	240

ttcatctcac	ctgtctcatc	gtccatgatt	gccccggcga	tgcaggatct	cggcaagagc	300
ctagggatga	acaccgaaat	tgagggtgtac	ctctccatgg	ccatctttat	tctcgcttat	360
gccatcggtc	ccatcttctt	cggtcctgct	tggagctgt	acggtcgagt	gcgtctgctt	420
caggtagca	atgcgtggta	tctagcatgg	aatctgggat	gcggattcgc	caagaccaag	480
gctcagctct	ttgcttttgc	ctttcttgcc	ggcattggcg	gcagcgcacc	gttggcgatt	540
ggaggaggcg	ccatcaggta	a				561

<210> 5490

<211> 252

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (109)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5490

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ttgtggagaa	caaaggcgct	ttgtcatcat	ggggagagct	ttaggggtana	aaagggcgct	120
tttaccttca	tagacatcgc	cttctgttca	tttttaacta	agccttatgt	gagccgaatc	180
cctgcaaca	ccaccgtgca	aatggcctcg	caagtggatg	gaaagtacgc	ctggatcggt	240
gtcgcaactg	tc					252

<210> 5491

<211> 912

<212> DNA

<213> A.fumigatus

<400> 5491

atatctcttt	cctcaatcac	tcctcaacct	ttctgcgtct	cgggctctct	tcaaaaatta	60
gctgtcatgg	ctcccttcca	aggttctgtc	tccgtgactt	acatcaccac	cgccacggcg	120
atcatcaaca	ttgatggggt	gcggttcctc	acagaccccg	ttttctgtcc	tgctggctcg	180
gaatatgtct	acgatgggtg	ggccaaggcc	aactggaagg	aatggggctt	ccaaaaccgt	240
ccaccgacct	ctgtcctgcg	cagcttcgat	ggtcctgccc	tccagctgca	cgacatcccc	300
ccgatcgatg	ccatccttct	cagccacgaa	gaccatgttg	acaatctcga	cccctttggt	360
cgccagctcc	tcgatgggtcg	ccgtgtctac	accaccccg	atgggtgcga	caatctccag	420
ccacgcctcg	gtgtcgtcgg	cctcaagccc	tggcagactg	tctcagccca	gatcgggtggc	480
aaggacttcc	ggattactgg	tacgccctgc	aagcacttcc	ccggcggcga	ggtcacaggc	540
ttcattgtgg	aatgtgagtc	cttcggcgct	gatgagaccg	gccttcccaa	cgctcgtctat	600
ttctccggcg	acacgggtgtg	gatcgatgag	ctgggtgaaa	tcaagaacaa	gtggcatgta	660
tctgtggcgg	ttttgaatct	gggcaatgcc	ctcttcgagt	atcccagggg	tatgctgcag	720
attacctttg	acggcaagca	ggcggcacac	tttatgctgag	cgacaggtgc	tgatatcatg	780
gtgccgatcc	atctcgaatc	ctgggagcac	tttaccgagc	atcgggagga	tttgagaaaa	840
gttttcgata	aggagggcat	tgcagaaaat	gtttgctggc	tggtgcctgg	tgtggagaag	900
agagttatct	ga					912

<210> 5492

<211> 183

<212> DNA

<213> A.fumigatus

<400> 5492

tcgcatcaga	tcaaaccctg	ccccagaact	acaactgcc	ttggcaagaa	tctccatgcc	60
cctttgtcag	agcatcacat	ccaccacatt	tcacagctac	tgtccagtaa	cctcccacta	120
gctgagatcc	agttccgctc	gtcacggcta	tccaatccag	cgcctctatc	cctctccagc	180

tga

183

<210> 5493
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 5493
 cttacatcac caccgccacg gcgatcatca acattgatgg ggtgcggttc ctcacagacc 60
 ccgttttctg tcctgctggc tcggaatatg tctacgatgg ttgggccaag gccaaactgga 120
 aggaatgggg cttccaaaac cgtccaccga cctctgtcct gcgcagcttc gatggtcctg 180
 ccctccagct gcacgacatc cccccgatcg atgccatcct tctcagccac gaagaccatg 240
 ttgacaatct cgaccctttt ggctcgccagc tcctcgatgg tcgccgtgtc tacaccaccc 300
 ccgatgggtg gcacaatctc cagccacgcc ctggtgtcgt cggcctcaag ccctggcaga 360
 ctgtctcagc ccagatcggt ggcaaggact tccggattac tggtagccc tgcaagcact 420
 tccccggcgg cgaggtcaca ggcttcattg tggaatgtga gtccttcggc gtcgatgaga 480
 ccggccttcc caacgtcgtc tatttctccg gcgacacggt gtggatcgat gagctggtgg 540
 aatcaagaa caagtggcat gtatctgtgg cggttttga 579

<210> 5494
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 5494
 acccaggcct gggctgacat gtaccacaag cttgatccca aagagcacc ctcacagcatc 60
 atgactgctg tcgactcgca tgggaaacaa gtaggttga cgctgatgct gtcaccgctg 120
 tcgccagtcc tacagcagaa ctgggccttc ccaccctct gtggcccca gaccgggctg 180
 atcggtcgcg ttggagtcga tgaagaatat cgtaaggcag gagtcggact tgctctctc 240
 tgccacgcga tcgaggacat gaagcaacgt ggagtcgaag gagtctttgt ggattgggtc 300
 agtcttgagg gatggtacga gcagctcggg ttcaagatct ggcgcagcta tagaaccggc 360
 cagatgtag 369

<210> 5495
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 5495
 tcatcgacgg ttgtcgctca agcgggtgcc agcaataccg aagccctttt tgctcttgg 60
 ggcttcggtc tggtaacctt ccttttcgct tccccgcag tggtcaccat cgacactttt 120
 ggacgtcgca cccttcttct tttcactttc cctcagatgg cttggactct gctcgagct 180
 gccttctgct tttatatctc ggaggaatcc aaagctcatc tggcatgtat cgcactcttc 240
 gtgttcctgt ttgcggcatt ctactctccg ggcgaggac ccgttcatt cacttattct 300
 gcagaggttt tccctctctc ccacgtgggt aagtgtgcat tttgcatttt gcacttctg 360
 tgggactcgt cagctaatta ctgtcacaga gggttgaatg tcttggggcg tcgctacttg 420
 ccttggctgg gctgcagttt tgtccatcac gttcccacgc atgctagctg tgatgacccc 480
 cactggcgcc ttttgtttct atgcgtaagt gcattgtcta tctcaagtct ttgcttctca 540
 gatgtctggg cataa 555

<210> 5496
 <211> 525
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (14)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5496

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ccctttttgc	ctcttggggc	ttcgggtctg	tcaacttcct	tttcgctttc	cccgagtggt	120
tcaccatcga	cacttttgga	cgtcgcaccc	ttcttctttt	cactttccct	cagatggctt	180
ggactctgct	cgcagctgcc	ttctgctttt	atattccgga	ggaatccaaa	gctcatctgg	240
catgtatcgc	actcttcgtg	ttctgttttg	cggcattcta	ctctccgggc	gaaggacccg	300
ttccattcac	ttattctgca	gagggttttc	ctctctccca	tcgtggtaag	tgtgcatttt	360
gcattttgca	tcttctgtgg	gactcgtcag	ctaattactg	tcacagaggt	tggaatgtct	420
tgggcggctg	ctacttgcct	tggctgggct	gcagttttgt	ccatcacggt	cccacgcatg	480
ctagctgtga	tgacccccac	tggcgccctt	tgtttctatg	cgtaa		525

<210> 5497

<211> 288

<212> DNA

<213> A.fumigatus

<400> 5497

ccaatgtgca	gcgggctcaa	tgtcacagct	ctgggtcatga	tttttctctg	ggtgcctgag	60
acgaagcagc	gcaccctgga	ggaacttgat	tatatctttg	cgggtccccc	cacaaagcac	120
atgcattacc	agtgcctcaa	ggctcctccct	tgggtggatcc	agcgttacat	cttcgcgtcg	180
gatgttaagc	ttgagccttt	gtacaagcta	gatctgaccg	ctcacgacga	gaaggtagcg	240
agcagagagg	gcgggtggaca	ggtcatctca	cccaacactg	agatgtaa		288

<210> 5498

<211> 258

<212> DNA

<213> A.fumigatus

<400> 5498

ttcagaactgc	aggctggact	acatctggcc	ggttctatag	ctgcgccaga	tcttgaaccc	60
gagctgctcg	taccatccct	caagactgac	ccaatccaca	aagactcctt	cgactccacg	120
ttgcttcatg	tcttcgatcg	cgtggcagag	gagagcaagt	ccgactcctg	ccttacgata	180
ttcttcatcg	actccaacgc	agccgatcag	cccggctctg	gggccacaga	gggggtgggaa	240
ggcccagttc	tgctgtag					258

<210> 5499

<211> 249

<212> DNA

<213> A.fumigatus

<400> 5499

aagactatgg	tatctgttat	actctgtgta	ttctcctgt	cctacgtgta	tggcgaaggg	60
aagagcaatt	atttcaaggg	ttcgatcctc	gtactcacct	acctggctcg	ggttatcggg	120
ttctacttgg	cgggtacag	taatgttgac	acgatgggtg	tcgatcgctt	cgacacgctg	180
gcccttggac	caatcaggtc	cgagaacttc	cacacgattg	gtcagccgac	acgcggcatg	240
gctttctaa						249

<210> 5500

<211> 693

<212> DNA

<213> A.fumigatus

<400> 5500
gcctttccaa ccagggcgat cttcaaatgc cggagtcgga acaaaaccaa atatttttacg 60
gataattttg aacggaacat tgggaaagag attgggttcag gaacaggaag cccccaaggt 120
tttcatacct ggggttcccca tgtaatcttt atggggaatt tttggggcaa ccgttcgccc 180
atcgcagacc ccaacatgaa ggggttctatt atcggcatgg ccaatgacaa aactgtcgat 240
ggccttgcca tctattacta tgcaaccctg gagttcattg cacttcaaac gaggcagatc 300
gtcgagacga tgaataaagc cggtcatagc atcacatcca tcttcattgtc cggatctcag 360
tgtcaaaatg atgtattagt acggctcatt gcatcagcct gcgacatgcc agtccttatc 420
cctcgttata ttcattgctgc agtttgccac ggtgccgcaa tgctgggagc caaggccgca 480
agtgccgacg ccgaaggcaa aacagaagac ctgtgggaga tcatggatcg tatgagtaaa 540
ccgggaaaga aggtcgtgcc gacagaagac aagaatgaga aagctttgct caacgtcaag 600
tacaaggtct tcttggaaca gtgctacaag cagctcgaat atcgaaagtt ggttgatgag 660
accgtgagct cgtggaagac tggtgacaca tga 693

<210> 5501

<211> 213

<212> DNA

<213> A.fumigatus

<400> 5501
gcaatagggtg cttcaaaatc ttttaaactg ctccgcgcgt atcatcgtaa gccattcata 60
tataatatatg acagcaatgg cgtcgaggaa taccctccgt cgcgtcttc tatacagtac 120
gttaatccac agaacaagct ctccccgcag ttgaccatcc cccctcttgg cacatacgaa 180
acgaccaga tgctgagtaa cactcctggc tga 213

<210> 5502

<211> 198

<212> DNA

<213> A.fumigatus

<400> 5502
ttgccagtgc ccggctcttc tcagcgcctc atagacaaat ctgcgtcatt gacggcggat 60
tgcgtcgcct atgacctgga agacagcgtg actccacaca agaaagcgga agcccgtctg 120
ctggtgcgga gacgcgttga cctgcctggc tccatctggc atccgcgaac gcgcggttcg 180
catcaactcg gtagatag 198

<210> 5503

<211> 681

<212> DNA

<213> A.fumigatus

<400> 5503
ctccacacaa gaaagcggaa gccgcgtcgc tgggtgcggag agcgcttgac ctgcctggct 60
ccatctggca tccgcgaacg cgcggttcgc atcaactcgg tagatagcgg tctcgcattg 120
gcagatctga ccgaagtagt aagtgaacc tcaccttctc cgaaagtcaa taatccagct 180
aacgaaacga aacagctcca atcccccaac ctacagacca tcgtcatccc caaagtcgat 240
tccgcttcgg atctcacgtt tgctactgat gtgcgtctcc acacgctctc gcaacaagca 300
cgatcgcaag acgcagcctc acgccccggt ctctcacttc tggccctggg ggagtcggcg 360
aaatccctga cgtatctgac ccagatctgt gcagcgaccc cacttctcca aggtctgatt 420
ttcgcgcgga aggatttcgc tctcgacctc agtcttacct gcactccatc tctaacagaa 480
ttcttgtttg cacggtccgc catcgtgagt gcagctcgcg ctgcgaatct gccgtctaca 540
attgatctgg tctgtacagc gtacaagtct accaagagcg atgggtcgcc accggcggct 600
ctggaggaag aatgccgcgg aggaaagcag ctgggatttc atgggagtct acagccaggg 660
ggccaggaac cgcgtagcgc c 681

<210> 5504

<211> 417
 <212> DNA
 <213> A.fumigatus

<400> 5504
 gtttcccagc tacttgagag gctgtcagtc acccgcgtctc atagctttctc ttccgctaac 60
 acagttcaca ggcgtccttgt cttcatcctg actctcctcc tcctctccgc ggacttttac 120
 tacctgaaga acatcgctgg acgtcgatta gtcggcctac ggtggtggaa cgaagtcaac 180
 actgctactg gggattctca ctgggtcttt gaatcttccg accctgccac gcgaaccatc 240
 tcggccacag ataagagggtt cttctggctg agtctgtacg tgacacttgc gctgtggatc 300
 gggctcgccg ttttggcgat tgtgaggttg agcagtgtta tttggttgag tctagtgggt 360
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<210> 5505
 <211> 1545
 <212> DNA
 <213> A.fumigatus

<400> 5505
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 cgactaccag cttcctctgc aaataggcgc aagcatgccc gggtaacaagg tggttctcgg 180
 agacaaggcc aaaattcaac gacgacgacg acagcaacca caacaagcaa cagcagcagc 240
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 ccattcagat ctccacgcca cataatcgcc actcccgaag tacagtgcgc tcaagttacc 360
 attcaccgga acggccctga agcaaatacc aaagaaatgt cggaagctgt tccggattta 420
 gacgacgata tgaaggaaga agaagttgag gatatagact gtctcccaag ctctcctttc 480
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 tcccactcat ctgctcgccg ggtgatgaat acaacacctc cacctcgctc tgccagctat 600
 aagcggaacg ttctattttc tcatcaccag aatcggtcac aagcatcaat gtctgcaaga 660
 ccgaggaagg cagcagcaaa tgcttccagc attagcaggc aagaaagcga ctgcagcata 720
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<210> 5506
 <211> 1176
 <212> DNA
 <213> A.fumigatus

<400> 5506
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 cttaagcctg ttgccgacgg tcatgggtgg gtcactgagt caactggctt ttatgaagtt 180
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gaggacattg gcgaagctat taagcgtctc tacaacacga ctgggtcaacg ttttcagaaa 960
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<210> 5507

<211> 429

<212> DNA

<213> A.fumigatus

<400> 5507

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cccaaccaca atcagactgg aaaggagatc gaagttctta tgaacgctta tcccatcacc 180
aaattcccta ctcgtaacgt ctaccagtat gatgtaagta tttcctggta tcgaacgaag 240
gcaatcactg gagcagcacc ttttaacaag ccaaagggtc aaatcggaac cggcgttgag 300
aagaatgctg tcatcaagaa ggtttggaat tgcaatgccc gcaaggccgc cctgaagcag 360
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aatcactga 429

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<210> 5508

<211> 255

<212> DNA

<213> A.fumigatus

<400> 5508

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gatgcctcaa agcactctga actctggatg aagttcagct ggggtttcta caaggccgat 180
gtcaccgcgt tagtcgggaa gctcgagggc cgcgagaagg acctcaacct tgccttact 240
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<210> 5509

<211> 426

<212> DNA

<213> A.fumigatus

<400> 5509

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gtcggccatg cccttgacct cgcccagcca ctgctggttg agctcagggc cattcatgat 180
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accaaacagc tcgcgcgtaga gacctgggtg gttcagcatg gtcagtcctt gaaatgtttc 360

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catgagggttg agcagcccga gcttaccatg ttcttggcga aactctggca cagggcaatg 420
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<210> 5510

<211> 492

<212> DNA

<213> A.fumigatus

<400> 5510

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ggtctctacg	gcgaacgtgt	tggtgctttc	tctctcgtct	gcgaatccgc	tgaggagaag	180
aagcgagtcg	attcgcagat	caagatcctc	atccgtccct	tctactccaa	ccctcccggt	240
cacgggtgctc	gcatcgctc	taccatcatg	aatgaccctg	agctcaacca	gcagtggctg	300
ggcgagggtca	agggcatggc	cgaccgtatc	attgagatgc	gtgctctcct	caagaagaac	360
cttgaggacc	ttggcagcaa	gcacgacggg	tgcacatcc	ccagccaggt	gaaaaagctg	420
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<210> 5511

<211> 699

<212> DNA

<213> A.fumigatus

<400> 5511

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tccttcacca	aggctgctgc	ggaattggcc	tatggcagcg	actccgccgt	catcaaggag	180
gaccgtcttg	tcattactca	gaccatttcc	ggtaccggtg	ccctgagaat	cggagggtgct	240
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aaccatgccg	ccgttttcaa	ggactccgga	ttggacgtcg	cgctcctaccg	ttactacaac	360
aaggacacta	ttggccttga	cttcgagggc	ctcatcgctg	acatcaaggc	cgctcccaac	420
aacagcatca	tcctattgca	cgcctgtgct	cacaacccca	ccggtgttga	tcccaccag	480
gatcagtggc	gccagattag	cgatgtcatg	aaggagaagg	gccacttcgc	tttcttcgat	540
atggcctacc	agggctttgc	cagtggtaac	gcggaccgtg	atgcttttgc	ccctagacac	600
ttcgtcaagg	agggtcacaa	cattgccttg	tgccagagtt	tcgccaagaa	catggtaagc	660
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<210> 5512

<211> 1608

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (397), (451)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gccgcagcct	acgtctgtgt	atacatccac	aataatatcc	ttttccctc	atcgccccaa	180
acacctctcc	gtcgcgaag	agctgtccgc	cgaagacgaa	cgggaccgga	cgaaagcgat	240
gtcagcaata	caccatcgta	ccgcgcgatt	gctcatctcg	agcaactaga	acggcagaat	300
ggcgtgtacg	gtacctttcg	tattgagact	gaggacggac	cccgcgtgga	gagcggcctc	360
ctccatcct	ttttggctac	gcgcgatcag	ctgatgnagg	aagtcggcgt	cccgcaggct	420

catgcgaagc	ggatgcgcga	gatgatggag	nagacattcc	tggagtcatt	ccttgctctg	480
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cagctgcagc	ggcgggggat	ttcgcgtaca	ggaatcgaga	gggcgctggc	acggttcaat	600
gaggacgaca	actacggcga	ggagttgcga	cggcggcgcc	agaatggaga	gagggttacg	660
ctgtctacat	ctacatttcc	agaggagtgc	gtgcccttgc	agaacttga	tggtggggag	720
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ggcatacggt	atcgggtgcgc	aaattgcatt	gactatgacc	tgtgcgagac	atgtgaggcg	960
atgcaagtgc	acatcaaaac	ccatctcttc	tacaaggttc	ggatcccggc	gcccttccta	1020
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aacaagttgt	gcatggctat	cgatcgcaaa	acgtttgatc	gatgttttgt	gccgcatact	1260
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tacgtggagc	gcaaggattt	cttgcgggtt	ttccgtgcat	actacgctct	cagcaggag	1500
ctaactcgcg	atatgattgc	tggcatggaa	gatgactttc	tcgagggagg	cgcaagagat	1560
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<210> 5513

<211> 354

<212> DNA

<213> A.fumigatus

<400> 5513

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gtaactgtgt	cgagcaagtt	ctggccccgc	gccgcagccc	tgcccgagct	ggtctggtct	180
ggcaaccgcg	atgccaatgg	aaagaagcgg	actacgctca	tgacgcagcg	tatcctcaac	240
ttccgagagt	acttgctcgc	gaacggcatc	caggccggca	acctggtgcc	gaagtactgt	300
cttcagcacc	cgcacgcgtg	cgatctatac	tatgaccaaa	gtgccgtcgc	gtag	354

<210> 5514

<211> 189

<212> DNA

<213> A.fumigatus

<400> 5514

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gctggagcta	cactgtctac	tctaaaacta	cctaaaatca	ttatcaagat	gctcaaaacc	120
tgcttagaga	atagtatgga	agcccaacag	gatcttcatg	agagctgtca	gttaatctct	180
actttctga						189

<210> 5515

<211> 348

<212> DNA

<213> A.fumigatus

<400> 5515

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ggcgttacga	ccatcgagga	tttgggtggag	tcgctcgacg	gtcgccctcga	ggaggccgtc	180
tacctggtag	gggcggggcaa	ggtgaaggag	ggagcaaaga	atttggggcg	tgcaaaggga	240
agatccgacg	ggtgggagcg	acgaggtgta	caggtagtag	acgaggactc	ggatagttag	300

aaatgtgtgg gggaggtaca aaacacgcgg tcgagaggta gggggtaa

348

<210> 5516

<211> 1227

<212> DNA

<213> A.fumigatus

<400> 5516

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cccaacggcg	gtgtgatcaa	cgggcatttc	gttgtgagcg	gcacctactt	gacctcgccc	180
aaacaggagt	atgcgctctg	ggcgctcgat	ctgaagactc	tcacatgggg	tcggatcgat	240
gccggagggt	ctgtattcgg	tcattggcagc	tggaaacgcg	gagtgcctatg	ggcaagacgg	300
aatacctttg	tggttctggg	acaccgaaag	cgtagtctgg	tcgaggatta	caaccatcgt	360
cgaatcaact	tctctcacgt	ctgcattggt	gagttggagg	ccttcggggt	gtacaacaat	420
ccatgtagaa	ccgcgccaac	ttccgggtac	atctcgcaca	gtgcaccttc	agttcctgcg	480
tctctacaac	acaagttgac	tcagttgacg	tcgggtggaa	ggccggttct	accgcgctct	540
gacgaactgg	gcaaacttgc	ccagttctct	cctgaaatag	cggaacatgga	gcttcaggcc	600
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caccaaattc	tcgatggtcg	taacgccgcc	gccgtcttca	atgcagccgc	catggccgcc	1140
ggcggcgagg	gaggcaccgg	cttcaccagc	ggaccgcggc	gcaccctcga	ggccttgaac	1200
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<210> 5517

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5517

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cacatgaaac	gagatgctgc	ttggtccttg	aaaatctata	ttgctcccca	gttgattgct	180
tatccacttc	tcttgctaga	ctga				204

<210> 5518

<211> 621

<212> DNA

<213> A.fumigatus

<400> 5518

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tcggtggtaa	cttcaagatg	tatgagctct	gactcgatgc	cccgcaatcc	ccctcgcagc	180
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ccgtcgaggt	cgtcatctcc	ccctccgctc	tctacctcct	cctcgcccgc	caagctgccg	360
accccaagat	tggcgttgct	gcccagaatg	tcttcgacaa	gcccacgggt	gctttcaccg	420
gtgaaattag	cgttgagcag	ctcaaggatg	ctaagattga	ctgggtcatt	atcgacacaca	480
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ctgccattga tgggtggcctg a 621

<210> 5519
<211> 222
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (56), (57), (67), (181), (218)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gtccgcatca tctacgggtg ctccgtccgc gaaaaaaact ggcgcgaact ccgcaaacca 180
ncccgatgtg gacggttttc ctggttggcc gtggcccnct tg 222

<210> 5520
<211> 336
<212> DNA
<213> A.fumigatus

<400> 5520
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ctctctctcg cccgccaagc tgccgacccc aagattggcg ttgctgcccc gaatgtcttc 180
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gtacgttacc tcccgggatc tgcttttgcca gattga 336

<210> 5521
<211> 711
<212> DNA
<213> A.fumigatus

<400> 5521
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<210> 5522
<211> 654
<212> DNA
<213> A.fumigatus

<400> 5522

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gggtacaagc	tgaatggatc	caagatgtgg	attaccaact	ccatggaggc	tgggggtgtc	360
atcgtctttg	cgaacctgga	tcccagcaag	ggctacaagg	gaatcacagc	ctttgtggtc	420
gagaaggata	ccccgggatt	ctccattgcc	aagaaggaga	agaagctggg	tatccgggct	480
agcagcacct	gcgtgctcaa	cttcgatgat	gtgggtcatc	ccaagggtaa	tctgctcgga	540
gaggagggcc	agggctataa	gtacgctatt	ggcttgcgtg	acgaaggctg	tatcggtatt	600
gccgctcaga	tgaccgggtc	ggcattgggt	gcttgggaaa	acgccgccag	gtaa	654

<210> 5523

<211> 528

<212> DNA

<213> A.fumigatus

<400> 5523

gtacgctatt	ggcttgcgtg	acgaaggctc	tatcggtatt	gccgctcaga	tgaccgggtc	60
ggcattgggt	gcttgggaaa	acgccgccag	gtaagctcac	actccccag	tgagcaagat	120
cctcattttc	tatcccaacg	taccactcac	atcaatggca	gttacgtctg	gaacgaccgt	180
cgtcaattcg	ggcagcttat	cggaactttc	cagggtatgc	agcaccagct	cgcccaggcc	240
tacgtcgaag	tcgctgccgc	acgggctctc	gtctacaatg	ccgcacgcaa	gaagggaagc	300
ggtcaagact	ttgtccagga	cgccgccatg	gccaagttgt	acgcctcgca	ggttgcaggc	360
cgtgtggcca	gctccgccgt	cgaatggatg	ggcggcatgg	gctttgtccg	tgaaggcatc	420
gccgagaaaa	tgttccgtga	cagcaagatt	ggtgccatct	acgaaggcac	aagtaacatt	480
cagctgcaga	caattgctaa	gctcctgcaa	aagcagtaga	ctaaatag		528

<210> 5524

<211> 276

<212> DNA

<213> A.fumigatus

<400> 5524

cttacactta	tagcaggcac	agttaccgac	gagtctctcc	aggacgctgt	accaaccgac	60
taccatggta	tcagcttcga	cgagtggctg	gacttattcc	tgcaatacgc	ccttgctcgtc	120
tcagggaag	gggagcctga	cgaagcgtag	gatagtcttg	cagctgctgc	agatgccagt	180
atttggtatc	actcgaaacc	ttgcactcga	cttatccacg	tctgctgggt	tagtaagttg	240
cccccttgac	ctttgtctcg	ctcgatggta	tactaa			276

<210> 5525

<211> 555

<212> DNA

<213> A.fumigatus

<400> 5525

aattcatgct	gcggcagatc	aaggccatgg	acttttccat	tccggatggc	cccaatgact	60
ccagacccag	caaagcagtc	cgcgagtcaa	tctacagaga	gcgcgcgacg	ctcaccaccc	120
gcgacgagtc	aggcgaagcc	attcccgctg	atcaattgga	cgtcgccctg	cttgtgctat	180
atggccacat	cctatatctc	ggcaacagtt	tctaccagc	tctcaactac	tttttccgtg	240
catacgatct	cgaacgaccg	aacctgctg	tctactctc	cattgccctc	tgctacatcc	300
accactcgct	caaacgccag	tccgacaacc	gtcactacct	catcatgcag	ggcctctcat	360
tcatgcacga	ataccgtcgc	gttcgcgagc	gaaaggggaag	cctcctccag	gaacggcagg	420
agatggagtt	taactttgct	cgcgtagggc	atctactcgg	cctcgcgcag	ctcgctatcg	480
aaggatacca	gcgtgtcctg	gcgcttgggg	agcagatcca	gaccgaatct	cagaataaga	540

tccctcagcc gttga

555

<210> 5526

<211> 738

<212> DNA

<213> A.fumigatus

<400> 5526

ccttcgcccc	cctgtggtag	aagacattat	acgccgatcc	agcagactac	tgagtatgcc	60
gacatcagct	atttcattggc	catgggagac	tgctttatgc	agttgggcaa	cattgaagaa	120
gctgagaatt	gctaccttac	ggtggcagac	tatgatacaa	gaaacataga	atcgcggtgca	180
cagctcgcaa	agctgtacga	gagcatcgga	atgactgaac	aagcgctgaa	gtacgtcaac	240
gaagccgtgc	tgcttgggcg	acaggagacc	agaactcatc	gccgaagaaa	ggatactcgg	300
ttggaacaac	tcgcgctcga	gttcagaacc	gagaccgatc	cggaactacc	aggtctgaga	360
attgctgtac	cgctgaacg	tgctgaagga	ctggctccga	cgcttaccac	tacttctgta	420
aacgctacga	ggagaaaggt	ccaagaagcg	gaggaggaaa	ggacagaact	tgtccagttt	480
ttgtatggga	agctgttaga	tattcaccga	agggcacaag	agggcaatgc	cgaagcgatt	540
gaggactggc	tcgatatcgc	ggatgctttg	ctacgtgagt	ttcgctccaa	taagggtgtt	600
tatcctttcc	aacgcaacat	cgtgttcctc	ggttattcaa	gggaagcaca	aaggaaggcg	660
ggaaagtaca	aaaatcgtag	tctcatggat	gagatgcagg	aaatggcgag	tcgtctccag	720
gagtccttag	gtatgtaa					738

<210> 5527

<211> 804

<212> DNA

<213> A.fumigatus

<400> 5527

gttgccccctt	gcacctttgt	ctcgctcgat	ggtataactaa	cccgcacagc	atgtgccctg	60
aaggcgcaag	acgaggagac	tcttgcaaat	gaagcacgct	ggttcatcaa	agagtatcaa	120
ttcgtcacag	acacatatcg	cttattctcc	atgctgagcc	ggctctgcgg	cgacctcac	180
cggctctctct	tccattcctc	accaaactg	aaattcatgc	tcgggcagat	caaggccatg	240
gactttttcca	ttccggatgg	ccccaatgac	tccagaccca	gcaaagcagt	ccgcgagtca	300
atctacagag	agcgcgcgac	gtcaccacc	cgcgcagagt	caggcgaagc	cattcccgt	360
gatcaattgg	acgtcgccct	gcttggtgta	tatggccaca	tcctatatct	cggcaacagt	420
ttctaccag	ctctcaacta	ctttttccgt	gcatacgcgc	tcgacgacca	gaacctgtct	480
gtcctactct	ccattgccct	ctgctacatc	caccactcgc	tcaaacgcca	gtccgacaac	540
cgtcactacc	tcatcatgca	gggcctctca	ttcatgcacg	aataccgtcg	cgttcgcgag	600
cgaaagggaa	gcctcctcca	ggaacggcag	gagatggagt	ttaactttgc	tcgcgtatgg	660
catctactcg	gcctcgcgca	tctcgctatc	gaaggatacc	agcgtgtcct	ggcgcttggg	720
gagcagatcc	agaccgaatc	tcagaataag	atccctcagc	cgttgaccac	gaacgcggat	780
ccagcagaca	gtagcgacgg	tctt				804

<210> 5528

<211> 264

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (67)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5528

aaatcattca	atgagtatag	caagtctcta	actgggttca	tagcgtctat	tcagaagatc	60
ctcaatntga	accacgagcc	ccagtcgacg	aataattccc	ctcacgatat	atcagctcaa	120

```

ggctctcatct ccacgcctat tctcaatgaa gacggcgatc ccatttggaa ggtcttagtg 180
tttgacaaca tgggcccggga tgtcatcagt agtgtacttc gtgtaaacga ccttcgagct 240
tggggtgtca ctattcatct gtag 264

```

<210> 5529
 <211> 528
 <212> DNA
 <213> A.fumigatus

```

<400> 5529
tgtacttcgt gtaaaccgacc ttcgagcttg ggggtgtcact attcatctgt agggtcctcg 60
tggtgcaagg agcatagaat tgcagctaac catttgtcgt caaggaatct caactttacc 120
agatatccca tccctgatgt ccctgttgta tacctcgctc aaccgactcc tgcaaaccatc 180
caagcaatta caaatgatct gtcccgtgga ctttactctc ctgcctacgt gaactttctc 240
tcatcgatac ctcgccact tcttgaagac ttccgctctc aaatcgcttc caccggtacc 300
gcggagcatg ttgctcaagt ttatgaccag tacttgaatt ttatcgtagc cgaaccagat 360
ctcttcagct tgggactagg caacgacgca tattggaaga ttaacagcgc caaaacgagt 420
gatgaagagt tggacggcat tgttgacaag attgttagcg ggctgttcag tgtcagtgtc 480
actatgggta tgtttcaaac ctctccacgc tcgagaatca gccgttga 528

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<210> 5530
 <211> 1491
 <212> DNA
 <213> A.fumigatus

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<400> 5530
acaggtgcga ttccaatcat tcgttgtccg aaaggcggag cggcagaact gatcgccaca 60
aagctcgacc gtaaaactac tgatcatatt ctgaattoga aagacaacct gttctccggc 120
aacaagaaaa ccgcccgtgg agtaccttct tcacgacccg tcttgattat cgtcaaccgt 180
aatgtggatt tggtagccat gctgtcacat tcatggacat accaatcatt agtacaagac 240
gtgcttcaaa tgcgggtcaa ccggataacc gtcgaaactc cgattgacga gacaaaccct 300
gctaagggcg tgacaaagaa agtatacgat ttaaacagca atgatttctt ctggaagcgt 360
aacgctggag caccgtttcc tcaggtggcg gaagatatcg atgctgaatt gacacgttat 420
aaagaagacg caaatgaaat cacgaagaag accggggcctt cttctattga ggacttgcag 480
aatgacacca gcgcttccgc gcagcacctc aaagctgcga ttaccctgct tectgagttg 540
cgggaacgca aagccattct ggatatgcac atgaatatag caactgcact gctgaagggg 600
atcaaagacc gtcagctgga taatttcttc gagctcgagg aaaacattac gaaacagtca 660
aaaaccgaga tcatggaatt gattaatgac cctgcaaaaag gcagcaacct gaccgacaag 720
atccgggttg tccttatttg gttcctaagc acagaatcag acctatcccg cgcagacttg 780
agccaatttg aagaggctct caggcgcgca ggagttgagg atatcagccc actgacctac 840
gtgcgccagg ttcgagagct caccgcaatg accatgatga cgactgccgc accgcagcag 900
cagtcctcgg atttgttccg tggatttctc tcgctttcca accgcctcac tgaccgcata 960
acttccggag cattaggtgc taatttctgat tcgctcattt ccggcgtaa gaatttctg 1020
cccgccaaac aagacctcac gctgaccaag atcactgagt ccatcatgga tccgtcatca 1080
gcctccagtt ctgcaattgc aaaaacagag aattatctct attttgacct gaggagcgca 1140
aacgcccgtg gagctatacc cccggcatct gcggctcgca atccacaagc cccaggagcc 1200
cttgaggagg tggagcgagg gaccagcgcg acttttggcc aacgtcgcca ggcattcaac 1260
gaagcgatcg tattcaccgt cggcggaggt agcatggacg aatatggcaa tttgcaggac 1320
tgggtgcgcc aaactagcgg acagccgggc gacggttcag gggccggcat tcgtgcagga 1380
gtaggagcta tgggtggagc tagacgaaga gtcgtctatg gcagtaccga attgatgaat 1440
gctaataaat tctaaccgga atcgttgtcc aaacttgggc gggaaagttg a 1491

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<210> 5531
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 5531

aaccaaccgcg	acaagagtct	cgcgccctact	tcgagtgtct	ttctagtaga	attctccaac	60
gccgaactcg	aggacctgtc	tccgtcgact	aagtcttcgt	atgttttggg	ctgggtctgca	120
aagagctgct	tgaccgagag	gtgggggttg	cggcgaataa	tctcagtgtt	tgcccgcacgg	180
tga						183

<210> 5532

<211> 1542

<212> DNA

<213> A.fumigatus

<400> 5532

ccagtggcca	gtcaaaactt	gacttcccca	atgctccaga	actgtgatca	ctcatcgatg	60
ccaggctcga	ctgctgtcgc	cactgacaac	ctcgaacctc	cctcaattcc	aacttcttct	120
gttgctcagg	ataaccgcgc	ccagcccgcac	aaagatatac	cgccctccca	cgacaacgcg	180
gtggacactc	tgccaaacct	gtcatcacag	atcacccgata	cattaacccc	actgccggag	240
agaaaccgtc	ttacctctgc	acatacgctt	tctcaccgtc	gggcaaacac	tgagattatt	300
cgccggcaac	cccacctctc	ggtcaagcag	ctctttgcag	accagcccaa	aacatacgaa	360
gacttagtcg	acggagacag	gtcctcgagt	tcggcggttg	agaattctac	tagaaagaca	420
ctcgaagtag	gcgcgagact	cttgctgggt	tggtttcagg	gcaagtcgga	gccggtgaat	480
ttgaccatgg	tgccccagtc	ggcgccaccg	gatgccctgg	gattggcacc	ctctggagca	540
tttttgaatc	gtgcatcaaa	gcgggcctct	tcgccactca	aacaagttac	atcgacgaat	600
ccgttcaact	tctttgcatt	caagcgccag	ggagagggcc	gaccgcagct	ccccgaacct	660
gcagatgatg	agattcttaa	tatggacata	actgctgcct	tgttcccacc	agagtcactg	720
gacctcgacg	gacaagaagc	gttcagtgcc	ttacgaacca	acgccgataa	cctccttaga	780
cggctgcagg	cagcctacaa	ggaaaggact	tttgccctgc	acgaagccct	ggcggacaag	840
aacgaaaagc	aggaagaact	ggaggagact	cgaacacggg	ttggacacct	gaagggtccag	900
ctcgatggta	tggcggagaa	agtcctccag	caggagaagg	ccatgaaggc	aatggctgag	960
gagctcgagc	aggaaagaca	actgcgccgg	cgagaagacg	acgcgcgtcg	tcgcagcgtg	1020
atgctggttc	ggtcgagcga	tgaagagagc	ctttccgacg	tcggggctga	attgcagaca	1080
ccaaaacgca	gtttgaagcg	agccagcaat	ggcacttata	cgagcgattc	aggcttcgac	1140
tctggcgacg	aaagtctcgc	agaaagtatc	ttctctcgcc	gggatggcct	cgaatccccg	1200
acgtcaacga	tcccaccgtc	gccgaacata	tctcaaattg	ctctatctgt	ccctacgtcg	1260
acccctatac	agccgagcgc	aaaagagttg	aaaccggctc	aggcgccacc	gggtgcgtcag	1320
tctacgtacg	atcgcggtgt	gaagggactt	gcctctacgg	gtatcactag	ttcgtggatg	1380
ggtcacacgt	ccacgtctaa	atgtaatatc	tgccatggga	ttcccgccct	cgaggcatgg	1440
ggcgctcctg	gcgtcattaa	ggaggagaat	aggggcttaa	agctacggct	gagcgagctc	1500
gaactgggtg	ttgatgattg	tctgagtcct	gttggatctt	ga		1542

<210> 5533

<211> 300

<212> DNA

<213> A.fumigatus

<400> 5533

attgcagaca	ccaaaacgca	gtttgaagcg	agccagcaat	ggcacttata	cgagcgattc	60
aggcttcgac	tctggcgacg	aaagtctcgc	agaaagtatc	ttctctcgcc	gggatggcct	120
cgaatccccg	acgtcaacga	tcccaccgtc	gccgaacata	tctcaaattg	ctctatctgt	180
ccctacgtcg	acccctatac	agccgagcgc	aaaagagttg	aaaccggctc	aggcgccacc	240
ggtgcgtcag	tctacgtacg	atcgcggtgt	gaagggactt	gcctctacgg	gtatcactag	300

<210> 5534

<211> 198

<212> DNA

<213> A.fumigatus

<400> 5534
 gctctctata gcttatacag ggcgctatgt ctctggcaga gagatatttt aaaagcactt 60
 aaagagatag gtttgcagag aattaacact gacttatatc tttatataga taataagact 120
 atcatcctag tgtttgtgga taacatacta ttcctttact attataaaaag caagaagtat 180
 gctgataatc tgatttag 198

<210> 5535
 <211> 1002
 <212> DNA
 <213> A.fumigatus

<400> 5535
 gcgcggtatc ttccgcattg cgcggatcct tcgagccccg tgggtgaaga tatcgacccg 60
 gctgccctaa acatgtcaac aaagcgaaag cgcggctgcg atgaagaaga ccacgatccc 120
 agcaaagtgt ctccccagcc attgaagacc tcgcgtatgg ctgtgaccgt cgtgacatcg 180
 aatatggctt ccccatgcc ttctcttacc ttgaaggcac ctctccagaa acctaaatcc 240
 acgcaagctc tgaagcctgc tggcgcgttc cctcggggca aatcctgcaa agcattcgct 300
 cgccgctctg ccattggcaa gagccggcca gaacctacgg gcagaaagag catatcccgg 360
 cctttctcca tcgcgacagt actgggcaat gcgcagccca agagtcaaac cgctcccaag 420
 actccagcgt cctggctctt tgagatccac gtggactcgg agcaggaaga aatgaccaac 480
 atgatgcagc actccacctg cgtgctggat atcagcgatg acgagggcaa ggcagaattc 540
 tcaagtcgcg gcaaggagaa cattcccccg tctgagttgg aaattgacct gtctcggaca 600
 cgagagcgag agacttctgt cttaagaaaa actgagatgg cggatgagcc tcgctctccg 660
 ctcggtgaac tcaatgccgc agactattat ggcgaagatt gccatgcctt ttcatatgcc 720
 gtgatttacg acgaggatga gaccgcctcg gaaataaaga cccctctgcc tcccctgcca 780
 cgcaacccta cgcacccag tcggacaaag ttgtcaagtg tatcatccat atcctcgatc 840
 cttgcagcta ctcaacctgt caaggctacc gcgtctacta aatctgaggc agaaattgaa 900
 atttgggaga gcgagagcac tgcagatgat tcagagaaag cgatagagag caaccccgag 960
 gatgagctct ctcacatcaac ggccaaatca attaattgtt ga 1002

<210> 5536
 <211> 447
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (244), (414)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5536
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 tcttcgcta cgtcttctgt ccactgcacg cgtttcccg gcgcaacatc agcagcaacc 120
 cctcccgccg agggagtagc attcgaacgc acactcgcac ccgctgcatc aagttgcccc 180
 ttccaggacg ccttgatcga cgcgccgata tcagtcgccca gctgcatctc ccgcgaggac 240
 gtcnctcgg ggtcgagcgt gaagtcggcc agcgagccat ccggcgcaac atggtccggg 300
 aagcggagaa cgcgggcaaa ctctcgctcg tcggcgacgc ggccgtcgag catgctctgc 360
 actttggcgc gcatgaacgt cctggctttg ccgaatgtgc cgctgccgaa acancccgtc 420
 gacggcgaat tcgcaggtgt tctctga 447

<210> 5537
 <211> 633
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (13), (23), (87), (257)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5537

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acacctgcga attcgccgtc gacgggntgt ttccggcagcg gcacattcgg caaagccagg      120
acgttcatgc gcgccaaagt gcagagcatg ctcgacggcc gcgtcgccga cgagcgagag      180
tttggccgcg ttctccgctt cccggaccat gttgcgcccgg atggctcgct ggccgacttc      240
acgtctgacc ccgaggngac gtcctcgcgg gagatgcagc tggcgactga tatccggggcg      300
tcgatcaagg cgtcctggaa ggggcaactt gatgcagcgg gtgcgagtgt gcgttcgaat      360
gctactccct cggcggggagg ggttgctgct gatgttgccg gcgggaaacg cgtgcagtgg      420
agcgaagacg taggcgaaga agaggagagc gagggcgaag gcgaggagga ggcgctggag      480
caggcggaga ggctggaggc tcaggtggcg gctgcggcgg aagcggtgga ggctgctgct      540
atggcggcgg acgaggatga ggccaatgat ctggaccagg aagagtcgga tgtgggggat      600
gatatggatg tagacgaacc ggcaaagcca tga                                     633

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<210> 5538

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 5538

```

atgcgaatcg aatggccctt tccagccccg cgtgaagaca ctatcattgg tgctaaagat      60
ggcctgggtg ttgagtgtct gaagggtctt ggcctcatcg ccggagctac ctgcgcgct      120
tacgaggaca tcttcacat caccctgggtc acctgccgt ccgttggtat tgggtgcctac      180
cttgctcgcc tgggccagag agccatccaa gtagaaggcc agccgattat tctgactggg      240
gccccggcca tcaacaagct gttgggtcgc gaggtttaca catctaacct tcagctcggg      300
ggtactcaga tcatgtacaa gaacggtgtc tctcacatga ctgccaccga tgactttgag      360
ggtgtccaga agattgttga gtggatgtcc ttcgttcccc acaagaaggg tgcaccatt      420
cccatcctgc cctgggtccga tgactgggac cgcgatgtcg cctactacct tccttctaag      480
caggcttacg atgtccgctg gctcatcgct ggtaaaaagg atgaggaagg ctccctccct      540
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gttggctcgtg ctgcgcttgg tggcatccct atgggtgtaa ttgctgtcga gactcgttcg      660
gttgagaacg ttacccttgc cgaccctgcc aaccctgact ccatggagggt gatcagccag      720
gaagccgggtg gtgtgtggta cccaaactcg gccttcaaga ccgctcaggc cctccgcgac      780
ttcaataatg gcgagcagct gcccgctcatg attctggcca actggagagg cttctccggg      840
ggccagcgtg acatgtacaa cgaggttctc aagtacggtt cctacatcgt cgatgctctg      900
gtcaagtaag agcagcccat cttcgtttat atcccacctt tcggtgaact tcgtgggtgg      960
tcatgggtaa gtcatttatt attcttatgt catgttcaag ttttcaaata ctaa          1014

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<210> 5539

<211> 354

<212> DNA

<213> A.fumigatus

<400> 5539

```

gtcgtcattg atcccacgat caaccctgac cagatggaga tgtacgctga tgaggaggct      60
cgcggtgggt tcctcgaacc agaaggtatc gtgaacatca agtaccgccg tgagaagcag      120
ctcgacacta tggctcgtct cgacgccacg tacggcgagc tccgtcgtgc tcttgaggac      180
ccatccctca gcaaggagca gctctcagag atcaaggcca agatggccgc tcgcgaagag      240
cagtccttct ctgtctacct gcagatcgct ctgcaatttg ctgatcttca cgaccgcgct      300
ggccgcctgg tgcccaaggc taccagtttg caaagcgccg cagagatcaa cgtc          354

```

<210> 5540

<211> 192
 <212> DNA
 <213> A.fumigatus

<400> 5540
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 acttggtttt cagataagga tcaactatct tatcagttcc aacaaagcta ttctactttc 120
 aacgggagca ctgattacca taacacaccc gactttactt gctatcggtt atggatcaat 180
 cctggcctct ga 192

<210> 5541
 <211> 621
 <212> DNA
 <213> A.fumigatus

<400> 5541
 gatgcattgc ccgagggcaa aatggaggat gcggtcatgc acctcaagat gctcgtcagt 60
 tcgaaggtct tggggaaaga tacgctagat acaaccgaca gtatcgagat ggatggaagc 120
 aaggagctga cctgcgacat attcgatcag ctctcgtcca ctgaatggct agatgagtgg 180
 actctctact tggctatgaa gatttcggac agaccaccat atgttcgttt tgacaccagc 240
 atcttattgg agtaccaacc ggacaaaatc aagaaaaaca gaaagatcga aaaggttacc 300
 aatgagtcac cggactgcga actggtagaa gtcagaaaaa caaccccgct ggcggaatgg 360
 gccaaagaaga ttgcggagga ccagcaaagc gtccaagaaa aattggtata ctccgccct 420
 attaactata gaaaccactt taccctactc gaaattaaca cgcgagaggg agtgatacgc 480
 cattatgatt ccctggcggt cggtggtatc aagaagacgg tgatatcaag gttggtcaag 540
 aaagaattcg gtagctttgg atttcgctac gaggaggccg taagtattcg gaaaacgtcg 600
 gtttcagttg caacgaactg a 621

<210> 5542
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 5542
 tatcctaata gcggatccgt ccagccccgt ggtgaagacc tccttcagga gctaacaaac 60
 ctgaggaggt catcgcacat tgactgcacc atcacccggtg ttcgatttaa ccccaaattt 120
 gggaccaact cgttcacagc cggtgtcgac ggggtggtgc agtcaaaaag aacaaaaagg 180
 ggttttatcc attttgaaag tgaagccaat ggttcgctac gctaa 225

<210> 5543
 <211> 612
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (607)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5543
 tcaattgac acccaaattc aatcagcatg gctctccac aactcctct ccccaaacc 60
 ttctcacag aatggggcat ggaaacatcc ctctctaca aagacaaagt ccacctcca 120
 tgcttctcct cctgcctct agtcgactcc gactccagcc gcaaactcat ctcccattac 180
 tacgactcat acatctccat cgctgcccgc aacggcactg gtatcgtctt agacaccgc 240
 acctggcgcg gagctacacc ctgggcgcaa cccatgggtc tctccgcga taagctctc 300
 gagcttaatc gtgctgcggt acgactagcc aaggaagcca ggaatagagc cgtgggtggg 360

```

gagaacaata tccccgtggt gattagcggg acgatgggtc ctctgcggga cgcgtacgtg 420
gatacagagt agttgatcac gctggaggat gcgcgggagg gatacaggga gcagggtggag 480
gtgcttgccg atgcgggggt ggacatgttg gcgatcatga ctgtgacgaa tctaaacgag 540
gcgattgcgg tgggtggagt ggcgaaagag gtgcgggtgc cggttgtggt gtcgtttagt 600
attgaanctt ga 612

```

```

<210> 5544
<211> 240
<212> DNA
<213> A.fumigatus

```

```

<400> 5544
cagatcagcc ggctcataat atatgagggg tacagagagg tgtatcttac actcatgtct 60
ccagggtactg gttacgttga gtacctggag aggacagagc cggccaccac tgccaaccct 120
gaggaatttg tgtacatgga cacgtttgga ccttggcata ttgacaacca agtccagctc 180
cgcagcctat gcctggcact gcttgcattt ttatcagccg cagaggaggt ggcgagctaa 240

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<210> 5545
<211> 468
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (41)
<223> Identity of nucleotide sequences at the above locations are unknown.

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```

<400> 5545
CCCTCCCCaa atccttccca acaaagcaac ggccatcaag nttcaatact aaacgacacc 60
acaaccggca accgcacctc tttcgccaac tccaccaccg caatcgctc gtttagattc 120
gtcacagtca tgatcgccaa catgtccacc cccgcacccg caagcacctc cacctgctcc 180
ctgtatccct cccgcgcac ctcacagcgtg atcaactcac tcgtatccac gtacgcgtcc 240
cgcagaggac ccacgtccc gctaatacacc acggggatat tgttctcccc acccaccggt 300
ctattccttg cttccttggc tagtcgtacc gcagcacgat taagctcgag gagcttatcg 360
gcggagagac ccatgggttg cgccaggggt gtagctccgc gccaggtgag ggtgtctaag 420
acgataccag tgccgttggc ggcagcgatg gagatgtatg agtcgtag 468

```

```

<210> 5546
<211> 303
<212> DNA
<213> A.fumigatus

```

```

<400> 5546
gtgcggttat acatgaccgc ggatccgtcc agtcccgatg gtgaagacag cggtcctctt 60
ttctcgccgg tatctcgagc gtcttggggg gaagaactat cttcttgggg taagcaactg 120
acagaccgtt gtgtatacgt tattgacttt actgcacaga tgaagaatct gatcgacaac 180
ggcattgttg aatgctattc gccgcttgtt gacgtgaagg gttcctacac ggcccagttc 240
gagcatacga ttctcctcca cagcgggtgg aaagaattca tcagtcgttg cgatgactac 300
taa 303

```

```

<210> 5547
<211> 555
<212> DNA
<213> A.fumigatus

```

```

<220>

```

<221> unsure

<222> (5),(6),(13)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5547

tggannactg	aancccgcg	cgtatccttc	cagccccgtg	gtgaagaccg	caccgcgcac	60
caagacctcg	gccagccggc	cgtcgtcgag	gagcgccgct	acgaccgcac	cggccaggag	120
cagctgatgc	tggcgctcgg	gacggagacg	ctcccggggg	gcgtccggcg	cattaccgac	180
ctggacgacg	agacgggggc	gaccacctac	gacgcgggga	cgagtatggg	gattccgacc	240
ggctcagcaa	atgagcgcg	ggagagcagc	cacggcgatg	agtgggtggg	ttcgctcggg	300
gggagatcgt	cgtacgatat	cgggccccca	ttacctgggt	ctaggactta	caatgcgtac	360
acaggggctg	atgaggagca	gcgtgccgat	tacgatgccg	atgggggtgc	gcgataccgg	420
gaccgaggcc	ggggacgtgg	gcagggccag	agcgggtatt	cggcggagca	gagggcgagt	480
cgggagtttg	agaccgatca	ggggacgagg	ttgaagaggg	agacggatgt	ggatatgtcg	540
gatgtgctga	tgtag					555

<210> 5548

<211> 951

<212> DNA

<213> A.fumigatus

<400> 5548

tgtctttgcc	atcctgtctg	tcgagttccc	gctgacgatc	agtcgatagg	aatcatgcgg	60
ccgggaacct	acgtttctct	gataacctcc	cccttcaacg	ccctcttgaa	ctatctcttc	120
tgtacacct	tcaagatggg	cctgctaggc	gcccccttag	caacagggat	atcctactgg	180
ctctcctttg	ccctcctcgt	cctgtacgca	cggttcatcg	ccggctcaga	atgctggggc	240
ggctggctgc	gcgaagcctt	caacaacctc	ggcacattcg	cccgctctcg	cttctctggc	300
gtcatccacg	tcggcacgga	gtgggtggcg	tttgagatcg	tcgccctcgc	cgccggccgc	360
ttggggacca	tcccgcctag	cgcgcaaagc	gtgatcatga	ccgccgacca	ggctctcaat	420
accatcccgt	ttgggggtgg	cgtagccgca	tcggcgcgct	tcggcaatct	tctcggggcc	480
agggatgcgg	gtgggtgctg	tcgtgctgcg	aatacggcgg	cgtggctgag	tatggtactt	540
ggcgggggtg	tgttggtctg	acttatggga	acgcgggacg	actttgcgcg	gatcttcaac	600
gatgacgaag	gggtcgtgcg	gctgacggcc	gaggtgttgc	cgtatgttgc	tctgttccag	660
attgcggatg	ggctgaatgg	gagctgtgga	gggagtgctg	gcgggatggg	ccggcagcat	720
gtgggtgcca	tgggtgaacct	ggtcagctat	tactgtggcg	cgctgcctct	gggaatctgg	780
cttgcgcttc	atgggtgggg	tctgaagggg	ctatgggtgg	ggcagtgcat	tgcgctttat	840
attgtgggag	cgttgagtg	gttgatcgtg	gcttttagca	attgggagat	ggaggtggaa	900
aaggcctttc	ggcggatgga	tgtgcatgag	cgtctcgaga	cgggggttga	g	951

<210> 5549

<211> 426

<212> DNA

<213> A.fumigatus

<400> 5549

gggggtgggg	acacgctttg	cgttgatttt	tcgtcccttc	tgggtcaatac	cttctccctc	60
atgtttgcca	tgatcacggc	gtggatgatt	gcgtggggag	gcacaaccgc	cctggatacg	120
ctggcctcgt	cttcgttcac	agggagctcg	aacaatcatg	acctgggaat	cctgctgcag	180
cggggcttct	ttgtccttgg	tcttttctat	atccccgtgg	ctattctgtg	ggcttgttct	240
gagcatgtgt	ttgttttctt	aggccaggat	caggttctct	cccgagagag	tgcccgattt	300
ctcacgtgtc	tgattcccgg	aggtctggga	tacatctatt	tcgaggtcat	gaataagtat	360
ctccaggctc	aaggtaatgt	ctttgccatc	ctgtctgtcg	agttcccgcg	gacgatcagt	420
cgatag						426

<210> 5550

<211> 243

<212> DNA
 <213> A.fumigatus

<400> 5550
 ccgaggccct ttaacagacg caaggtgggg aaaggggaca caagaacaat gggcacgacg 60
 aacaatgcaa ccattttctt cacagtgatt cttatgctat gtatgcttga caagatcttg 120
 gatgagggtca ctgcgcatgg gattctggtc actcgtgttt cgtttggctc ttgcctcact 180
 gttcctgtac cacctgtagc caccatgctg tgccatcgga catatgcgaa ggacgaatca 240
 tga 243

<210> 5551
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 5551
 actaacagta atcaggaatt cctccgtcgt ccaacatcac ctgccgactg gtggccggaa 60
 cctagcacca acgttcttgg aggcagagat ctggctcgag ccacacatgg gacatggatg 120
 ggggtcacaa aggaagggaa aatagctgtg ctgaccaact atcgggagaa tacagcggat 180
 gagcctagtg gggtagacag tcgaggcctg attgtcaaca gctggcttac a 231

<210> 5552
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 5552
 cctcaagctg ccaacccaac tcctatggct ctctgcccat gctttgagat tgtgatcaat 60
 ctgaacattg agtggcgaaa cttcgagtct ttttgcctct cttggccagg tatcgcttat 120
 tgcgtagcag tggattaccc ctcacgagtg ttggtccttc ctacttcgta ttcttgtgcc 180
 caacaacaac tacacttggc gttgacgctt catagctccc cgtcatacca cccatcagct 240
 ggctaa 246

<210> 5553
 <211> 195
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (148)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5553
 tccgctttga taatctacta ccctatgggg ggaaacgcga ctacgatctt cataccttgc 60
 tggctgggtc tcagatctca atgcgcgtct ttcgaacctt gcattacaat cattaacatt 120
 gatttaaggt tttgggaaag atgcccanat cattatcttt cttatgaaga cctttttctg 180
 aaaatctatt atgcg 195

<210> 5554
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 5554
 cccctccaga aaacaaagcc ggaagccgaa ggcacccctc ttcacggcct ccttagccta 60

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ggcctaccga ggattcctca gcgaccatca gaatgccaca accacaaaaa gcaaagcaac 120
tggteccaca tctccctatc agtagtattc acggctctgt tcctttcatt tccaccaaga 180
ttccttccaa acaagctaaa gttctcacia tattactggg tgttgctgca cactcaaatt 240
aattatttct atattattac tattattacc gttcttatta ttaccaacat tattattttc 300
tggactacca cttcattggt tgcaactgcg gattga 336

```

<210> 5555

<211> 231

<212> DNA

<213> A.fumigatus

<400> 5555

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atgggtgggt gcgtgactgg tccgcttgcg ggtcttggcc ccctcactat tcctaattca 60
gcagcggaag ccggtaccgg ctggaactgg aaattcagat gtctttcaga gttcacactt 120
accgacattc ttccacatcc taacaacaat gatcctgctc tgggtgacag tctcagtcct 180
ttttctcttc cactttctcc cccaggtggt tgcccatggg gtagacaatg a 231

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<210> 5556

<211> 294

<212> DNA

<213> A.fumigatus

<400> 5556

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tggggcaaca ttgacacccg caagactctc tggggcgttg cggagaactt ccggtacatg 60
accaagtcc tacgcacggc cgaggagggt cagaagctgg ggcgggtcaa gaatttccgc 120
gtgaactttc acgctctggt ctgcacggac tgaagattt ttagtaagtt ataccgactg 180
cgctctacgt ctcatgatta tctggtgcgt gatctaacga gggagaaacc gcgtggcgcc 240
aaacacccgg ataccagggt ggattcatcc tggacggcgg agtccatgct gtag 294

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<210> 5557

<211> 519

<212> DNA

<213> A.fumigatus

<400> 5557

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tctaacgagg gagaaaccgc gtggcgccaa acaccgggat accagggtgg attcatcctg 60
gacggcggag tccatgtcgt agcagctcta cgattgattc tcgggtcgaa cgatccagtc 120
gctacgatat ccgcgcagtc ctgcctccag cagcagcatc ttctccctt ggacacggtg 180
aacgcggtga tgaagaccaa atctggcgct acgggtgtgc tatecttgtc gttcggatca 240
gcgtttgatg actctgtttt cgagtttgac tgcgaggggg gcgtgggtgc cttgaactct 300
gatacgctca caattaaggg cgagagcaat gagctcgctc ttgacggacg aggcgttagc 360
cgtgagggtc ctgtatttgc tacgacgatt gccagcgggt gttctgtcga caagcgacag 420
agcccgggag aggcattggc ggatttggag attatggaga agatgctgac cagtgggtgag 480
agagacggcg agagacagac cgtggaatta caagtgtag 519

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<210> 5558

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5558

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acaggcacca agcgtttctt ccgccaccag tccgaccgct tcaagtgcgt gccggagtca 60
tggcgcaagc ccaagggtat cgacaaccgt gtccgcagac gttcaaggg caacatcccc 120
atgccttccg tacgttcaaa ttctccgac cctgccgcat cagattcgat catctcgacg 180
agacaaatth ag 192

```

<210> 5559
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 5559
 ctctactcgg atccttcgcc ccgtgggtgaa cactggaacc gacggtcgac acccttttcc 60
 gcacccgccg gaggaacggg acacagccac ggccacggac actctgccac aatgacgagg 120
 atgaggaaaag acgaggaaaa taaaaaggac gtccaccatc cggcccccct tcatgggtata 180
 tttgtaagcg gtaagaagct aggggtcaaatt tttttcgttc tattatttca tcatccttat 240
 tocaccattt acgcctcaac ggtgacacgg cccttggggg tggtgacctt gacgccgagc 300
 gccttggcct tggcaatgat ctcgacgcgc ttgcgggagg agacagcgga ggcgatccta 360
 tccatcaatc agtatcttct cttcgtatagat ggaactgtga atgcaacgta ctacagcggcg 420
 tag 423

<210> 5560
 <211> 747
 <212> DNA
 <213> A.fumigatus

<400> 5560
 accaccggaa ggagggacga acgagggcct gatgtgagtg tttttgttgg cccggttatt 60
 gatatagcgt acacaattgg actgcatcgc gacggagctg atgataaact ccctccgttt 120
 gatgtggaga tgcgcgcgtcg cctttgggtgg catatcgtaa cacttgacgt tcgcatagcc 180
 gaggactcct ccactgagcc gcgtaccagc ttgctgagct tcagcacaaa gatgccatcc 240
 aacacacatg atatatgtct ggacccggat atgggtagta ctccgggtgtg ccagttcggg 300
 aaaaccgaaa tgaccttcag tttgatcagg ttacacagtga ccgaatttgc gcttcgctcc 360
 ctgttttgta aacaatcttg gaaggctcgt gactgtgcac ccctggatcg ccagcgaagg 420
 atcaatgagc tagaccaact caaggaacga ttagaagtcc gttacttgct atgttggtgac 480
 gagaccattc cgtttgatct tgttggtgca gaatcgacac gcttgggtgtt ggccaagatt 540
 gggatgtact tacgcaggcc gcctctaacc gaacacaaca ccgcgcagcc attcgagccg 600
 acttatttga aggagtgcgt tgatattcgt tgggcatgca tattcccttc gccggtacga 660
 gaaaggggca aaggggggtt tggctatttc aaacctaact tcgaatgggg aggactggcg 720
 gaatttctct ggctggctct gctttga 747

<210> 5561
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 5561
 gaccgatgcg acatggcaga cttgggtgag atagttgatt gtctgcgact gagcttagca 60
 ggggtccaagg aaaccctgtc tacctctgat tccgcacagg ggggctccaa ggttacctgg 120
 ctctgtggccg ccatgacgcc ctggttttcc ttctcctctt cctgtgggtc tttgacgggt 180
 cgttccatca acttccgcgt gaattcgtcc gactccgcgg agaacttgca tttttttcgg 240
 atgtcaggcc cgtacttgta g 261

<210> 5562
 <211> 1602
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1036), (1037), (1038), (1039), (1040), (1041)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5562

cgactcatcg	gccctgcaca	atcccatcct	ttagcacgga	tgggcgccag	cagccagtca	60
gcttcggctg	atactatcga	gcatgttcat	cccactcgga	tatcgactg	gcgtatggtc	120
tatgaccaag	gtgcgctgac	ccaagagatc	atcgattatc	gcttcgctgg	ttcaggcaca	180
gaagaagacc	cctacctagt	cacctggatt	ctcaatgacc	cccggaaccc	tctggaattt	240
tccgcgacga	agaaatggac	ctacaccatg	gttatggcgt	gggcgacgtt	agccgtgtca	300
ttggtctcgt	cagcgtacac	tggcggcatg	caacagatca	tggaacagtt	tgaagtccgc	360
acagaggtag	caactctggg	cgtttccaca	ttcgtgctgg	ggttcgcgat	cggtcccctc	420
ctttttgcgc	ccatgagtga	gctttgggga	agacagtatc	tctttctggt	cagctactgt	480
ggattgacca	tcttcaacgc	cgcgtccgcc	ggatcaccga	acattcaagc	tctcattgtc	540
ttccgattcc	tcgccggagc	tttcgggtcg	tccccattga	ccaacgcagg	cggtgtcatc	600
gcggatctgt	tctcggcgaa	ccaacgtggg	ctggcgatga	gtttgtttgc	gtcggccccg	660
tttctggggc	cagtcttagg	gcccatacct	ggtggcttcc	taggtatgac	ggagggatgg	720
aagtgggtga	tgggggttctt	ggccatcttt	tctggcgcac	tctggatcat	cgcgggcctc	780
atcgccccag	aaacgtatgc	gcccgttctc	cttcgtcggc	gagccatgaa	gctttctgag	840
cttactggca	aagtctacaa	gagcaggatt	gaagccgagc	aaggcaagaa	aacgcttggc	900
cactctttga	agatatcact	gtcccgcaca	tggatcctgc	ttttccgaga	acctattgtt	960
cttttgctgt	cagaatacat	ggcaattgag	aacggaaatt	ataaaaagaa	gaaaggagct	1020
atcccaatga	agggtnnnnn	ncagcggagg	tggaaaccaag	gtgtgtcagg	gctggctttc	1080
ctggggatca	tgattggtat	gatgtgtgct	gtagctttca	gcatctatga	caacaagcgg	1140
tatatcagag	cccaagaggc	acataagggg	tttgcccttc	ccgaggctcg	cttgccctcc	1200
tgtttggtcg	cttcggtagc	cattcccatt	ggcctcttct	ggtttgctcg	gacaaaactac	1260
ccttcgatcc	attatctggc	cagtatttcc	gctgggtgtg	cgtttggtct	tggcatgggt	1320
cttgccctcc	tcagcctcat	gaactacctg	atcgatgcac	acaccatcta	cgccgcctcc	1380
gtgctcgctg	cgagcgccgt	gctgcgctcg	attttcggcg	ccgcctttcc	cttggttcgtc	1440
aagtatatgt	atagctcgtt	aggtagggtcc	tttttctttt	tgggtgttgt	gtttaggcga	1500
aaattaatcg	ggtccaggta	ttcattgggg	ctcgtccatt	cctgccttcc	tggcactggc	1560
ctgtgtcccc	tttccattcc	tcttctacaa	gtacgggcct	ga		1602

<210> 5563

<211> 426

<212> DNA

<213> A.fumigatus

<400> 5563

tcgggtccag	gtattcattg	ggcctcgtec	attcctgcct	tcctggcact	ggcctgtgtc	60
ccctttccat	tcctcttcta	caagtacggg	cctgacatcc	gaaaaaatg	caagttctcc	120
gcgagtgctg	acgaattcat	gcggaagttg	atggaacgaa	ccgtcaaaga	accacaggaa	180
gaggagaagg	aaaaccaggg	cgatcatggc	gccacgagcc	aggtaacctt	ggagcccccc	240
tgtgcggaat	cagaggtaga	cagggtttcc	ttggaccctg	ctaagctcag	tcgcagacaa	300
tcaactatct	caaccaagtc	tgccatgtcg	catcggtctc	agaagttggt	gacctcgcat	360
gacgtctatg	atgccaatcc	ctttgacatt	gacogtgtca	acacgcgcga	ctcgttcaag	420
gactga						426

<210> 5564

<211> 558

<212> DNA

<213> A.fumigatus

<400> 5564

atcggtaaac	gcaccgcca	tgatagggcc	caggaccgtg	ccgacacccc	agatgaagcc	60
tcctcccccc	acgtacagcg	gccgtcctcg	tatggtagtg	gtggccgcca	ggagagtcac	120
gagtcgcaca	tacatgccc	agcccgacac	gccacagatg	gcacggccaa	tgatcagggc	180
gttcatgttg	ggcgagcg	cgcagacggc	ggatcccact	tcaaagacaa	agaccgacag	240
gatgtaggtc	cattttgcgt	tgaactgacc	aaagactttg	ccccagatca	gattcgtccc	300

cgccgcgcgcg	atcaggaaag	cgacactgat	ccatggggagc	ttttcgaccg	agttgaaatg	360
gccccacaatg	acgggttgca	cgttggccac	aatgggtgtg	tcgagggcga	agaggaattg	420
cgagctgtaa	atggacaaca	cgacaaggaa	ccatttccac	ccggtgatct	ctcgcggagg	480
ggacttggga	tcctctggca	ccgagtcccc	tcctcgctgt	gcttcaggat	ccgagtccgt	540
cgagatcgcc	ttttctga					558

<210> 5565

<211> 687

<212> DNA

<213> A.fumigatus

<400> 5565

atcctgtctc	ctatgtcgga	tacaatggcg	gccgacaacc	aacctgcagc	aggccttgcg	60
agcaaggaca	gcaaccgctc	tcccacagaa	cgtgagcttt	cagaaaaggc	gatctcgacg	120
gactcggatc	ctgaagcaca	gcgaggagg	gactcgggtg	cagaggatcc	caagtccctt	180
ccgcgagaga	tcaccgggtg	gaaatgggtt	cttgctgtgt	tgtccattta	cagctcgcaa	240
ttcctcttcg	ccctcgacaa	caccattgtg	gccaacgtgc	aacctgcat	tgtggggccat	300
ttcaactcgg	tcgaaaagct	cccattggatc	agtgtcgctt	tcctgatcgg	cgcggcgggg	360
acgaatctga	tctggggcaa	agtctttggt	cagttcaacg	caaatggac	ctacatcctg	420
tcgggtctttg	tctttgaagt	gggatccgcc	gtctgcccgc	ctgcgcccaa	catgaacgcc	480
ctgatcattg	gccgtgccat	ctgtggcgtg	tcgggtcctg	gcatgtatgt	cggactcatg	540
actctcctgg	cgccaccac	taccatacag	gagcggccgc	tgtacgtggg	gggaggaggc	600
ttcatctggg	gtgtcggcac	ggtcctgggc	cctatcattg	gcgggtgcgtt	taccgattca	660
tcagccgggc	ggcgtgggc	tttttta				687

<210> 5566

<211> 570

<212> DNA

<213> A.fumigatus

<400> 5566

aaccgactgc	tgcagatgat	ccggagccaa	caagcccaat	tacaacaact	ccagcagcag	60
cagcagcagc	aacaatcagg	cgccgtgtt	gaagattcca	caccaccgtc	cgaacggtcc	120
gctgggtgtc	ctataatacc	accactccct	gcagctggta	gcggtcggac	atccactcag	180
tttcttctcat	ctctgtctag	tcaccggggc	tcgcgccctt	ccagccagac	agcctctccc	240
agtcttcggc	cgctaccttc	tgcttctctg	catggaacgt	cggtcgactc	gtcccgtggc	300
cctgaagggt	tagacctagt	agcaagcacc	agtgaactt	cgccccgacg	tggtagcagg	360
gatgaggtgg	ctttttacca	agccgaagca	tccatgctca	accgcgaaaa	ccagatgctt	420
cggcagcgta	tacgcgaatt	aggtttgtct	gccgttttcc	ctccgtctgt	catctgtgcc	480
aagtctcggc	atctgttcgt	ctcctatgtc	tgctcggagc	tgaagatcca	aacgctaaca	540
aagcaaaaga	acgacaaatt	agtgggttga				570

<210> 5567

<211> 981

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (704), (754)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5567

ctacaacata	aatccagtc	ccagtccaca	accgaggaca	agcacttcga	tccactggca	60
ggcatcctcc	tctccgaact	cctcaaactg	accgtctgcc	tcctctgcat	cgccacaca	120
gcagaagagc	cccaacccct	cctcgcaacc	ctcaagacaa	accacgaaga	agccaccctc	180

```

ccagccctcc  totacaccgc  cgcctccttc  gcccaaagca  tcggcgccctc  ctccctcccc  240
ctcctccaat  acctcgccct  ctcccagacc  aaactcatcc  tcacccact   cctcgcaacc  300
ttcctcctca  accaaccgatt  caccctccag  cactggacgt  ccaccctggc  tatgacagcg  360
gggatcattc  togcccagac  aggcgccaac  gccgcagcag  aaacgcagcc  ccgcaccgca  420
gccaacccca  acatccacgc  gcatcccttc  ctcccaggca  tcctcgccat  gctgctctct  480
gggtcctgcg  tcgcaactgg  aagcctctcc  atcgaacgat  cgctcaagcg  cgccgcgaac  540
aacaacacca  ctacgaccgc  gaaggggagc  gcggttcttc  tccgcaacgc  acaattcgcc  600
gcgcacagtc  tctcttttgc  actcctctcg  ttctcttgga  aagaaaagtg  ccgaatagac  660
ggatcacgct  tcttggaagg  cctcaatcgc  ctggtctggg  tgtntgtggt  gctccaggcg  720
tccggtgggt  tcttggtggc  gtggtgtgtg  agnccgacga  gttctgtgac  gaagaactat  780
gcgcagggga  tggggtttgc  gattgcggct  ggggggccgt  tgggtgtcga  gtcgaaggat  840
gttgatggga  aggtgagtga  tttgcttcag  cgcggtgttt  tcggagaatg  catcgctgat  900
gcggagggtg  gtagcttctt  gtcggggttg  tgcttgtatt  gggggcggtc  gttgggtcgg  960
ccttcgcagg  gcagagtatg  a

```

<210> 5568

<211> 834

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (693), (743)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5568

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aatccagtc  cagtcacaa  ccgaggacaa  gcacttcgat  ccactggcag  gcatcctcct  60
ctccgaactc  ctcaaactga  ccgtctgcct  cctctgcata  gccacacag  cagaagagcc  120
ccaacccttc  ctcgcaaccc  tcaagacaaa  ccacgaagaa  gccaccctcc  cagccctcct  180
ctacaccgcc  gcatccttcg  cccaaagcat  cggcgccctc  tccctcccc  tctccaata  240
cctcgccctc  tcccagacca  aactcatcct  caccctactc  ctcgcaacct  tctcctcaa  300
ccaacgattc  acctccagc  actggacgtc  caccctggct  atgacagcgg  ggatcattct  360
cgccagaca  ggcgccaacg  ccgcagcaga  aacgcagccc  cgcaccgcag  ccaaccccaa  420
catccacgcg  catcccttc  tcccaggcat  cctcgccatg  ctgctctctg  ggtcctgctg  480
cgcatggga  agcctctcca  tcgaacgatc  gtcgaagcgc  gccgcgaaca  acaacaccac  540
tacgaccgcg  aaggggagcg  cgttcttcac  ccgcaacgca  caattcgccg  cgcacagtct  600
cctctttgca  ctctctctgt  tcctctggaa  agaaaagtgc  cgaatagacg  gatcacgctt  660
cttgaaggc  ctcaatcgcc  tggctctggg  gtntgtgggt  ctccaggcgt  ccggtgggtt  720
cctggtggcg  tgggtgtgtg  ggcgcagcag  ttctgtgacg  aagaactatg  cgcaggggat  780
ggggtttgcg  attgcggtg  cggggccgtt  gggtgtcgag  tcgaaggatg  ttga  834

```

<210> 5569

<211> 510

<212> DNA

<213> *A.fumigatus*

<400> 5569

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ctctggtacc  cgcaggacaa  cttcaccgag  ggcgtgtaca  tcgactaccg  cgcgttcgag  60
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tactccgcgc  tggaaagtga  gctcgtcccc  ggcgcaaaaa  tcgactatct  gcccccgcc  180
tcggccattg  ccgagggcgg  tctccctct  ctatgggacg  tcgtggcaac  cgtcaactgc  240
accgtggcca  atactggcgc  ggtggaggcg  gccgaggtcg  cccagctgta  tgttgggtatt  300
cctggcgccc  ccgccaagca  actccgagg  ttcaacaagc  agtccatcaa  gccgcacaag  360
aagaagcact  ttacctttga  cctgaccgc  cgggatctga  gcacctggga  cgtcgagaag  420
cagacatggg  gactgcagtc  gggcagctat  cctatttatg  tgggtaagag  tgtgcgagat  480
attcagctca  caggtacttt  gcagatatga

```

<210> 5570
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 5570
 tctgggtaccc gcaggacaac ttcaccgagg gcgtgtacat cgactaccgc gcgttcgagg 60
 cgaacaacat cactccgcgg tatgagtttg gctttgggtct cactgtacagc aactttctcat 120
 actccgcgct ggaagttgag ctccgtcccg gcgcaaacat cgactatttg ccccccggt 180
 cggccattgc cgagggcggt ctccctctc tatgggacgt cgtggcaacc gtcaactgca 240
 ccgtggccaa tactggcgcg gtggaggcgg ccgaggtcgc ccagctgtat gttggtattc 300
 ctggcgcccc cgccaagcaa ctccgagggt tcaacaagca gtccatcaag ccgcacaaga 360
 agaagcactt tacctttgac ctga 384

<210> 5571
 <211> 876
 <212> DNA
 <213> A.fumigatus

<400> 5571
 gatagtagca tctgtaaaac aatagagaaa cgaacactga caacctgctc agactcaata 60
 tcaaccatcg ccaaaccgctc aacatcgag gtccccgccc cgcgcggtggg atccgcgtcc 120
 accaccctcg acaagaagat ctacctcttc tccggccgcg gcgggctcgc catgtccccc 180
 atcgacgaag ccggggcagt ctgggaattt acccccaga cctcatcctg gagactcatc 240
 acgcccacct cggaaatcca ccctccacca cgcagctacc actgcatgac gagcgacggc 300
 atcgacacgc tctacctgca cgcaggctgc ccggaaccg gccgtctctc cgacctctgg 360
 gccttccgtc tctctaccag ggaatggact ccgctggcgg ctgccccaga ccctccgcgc 420
 gggggtaoct cgattgcgtt tgcggacggg gcaactgtacc ggatgaatgg attcgatggg 480
 aagatggagc aaggcgggag tgtggacgtg tattctcccg gtgagaacgt gtggtcgtct 540
 tatgggtttg tggcggatgg ggttagtggg cctgaggcgc ggagtgtcag cgcgtgctt 600
 cctgttcgga ctggggagaa ggtcgcgctg gtgacgcttt tcggggagag ggatcccagc 660
 gcgttgggcc accagggggc agggaaagat ctggatgatg tgtgggtgtt tgatgtgcag 720
 gagcgttctt ggaggagggt agatgcgcaa ggcgaggcgc catgtgctcg tgggtggttt 780
 gctgctgatg tgctcggtga gaatgcgatt gttgtgcagg gagggttgga tgagtcgaat 840
 aggagggttag gagatgtttg gattctctcg ttctag 876

<210> 5572
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 5572
 caacctgctc agactcaata tcaaccatcg ccaaaccgctc aacatcgag gtccccgccc 60
 cgcgcggtggg atccgcgtcc accaccctcg acaagaagat ctacctcttc tccggccgcg 120
 gcgggctcgc catgtccccc atcgacgaag ccggggcagt ctgggaattt acccccaga 180
 cctcatcctg gagactcatc acgcccacct cggaaatcca ccctccacca cgcagctacc 240
 actgcatga 249

<210> 5573
 <211> 846
 <212> DNA
 <213> A.fumigatus

<400> 5573
 tctaaggcgc cgatcaaggt cttcttcact ggtcctggcg ttattacatc cgccacaccc 60

actggggaca	tgtccgtgga	cagcgtccgc	actgcaatcc	ttccgcttta	caaccagttc	120
ggtatcttca	acaacatcga	acttcgtgtt	ctccgccggt	ctaaccgccg	accgaacggc	180
aggggaggcg	gtggagaggt	tcagttagtt	ttcggtcacc	aagtagcct	tcgaaaaca	240
ctgcacttga	tgaaccggg	cagagtcaag	aagggtcgtg	gcgtggcgta	ctcggtggt	300
gtttcagcct	ccaacaatgc	caggatgatt	gatgtagctc	gtggcattct	caatcctctc	360
gttcccgaca	cctacatttt	ctccgatgtg	tcgtctgcgc	cgctgggtccc	tgacaggaac	420
aaccatccg	caaagaagaa	gatcgggtctt	ggattcgggt	tgtccctggg	cgcggagtct	480
tcgaactggc	gcttgtactc	cgctgacgtc	gcctcgccac	ctgcgggtgg	gcaggcacccg	540
gaggatattg	gaaagcaatg	tgcctaccag	cttctggaaa	ctatctcaaa	aggcggatgc	600
gttgccccgg	ctgcagcttc	caccatgctg	ggcttgatga	ctatggggtc	ggaggacggt	660
ggtcgacttc	aatttggacg	ggaagtgatt	gccgatgaga	gcacatcca	gctggctaga	720
gatttggcca	agtttgggtg	ccccggttgg	ggtctacgag	atgccactgg	tgagaacgag	780
caaggggacg	ttatcgtgag	cgtggttgga	cgaggatcgc	gtaacgttgg	tcggaagggt	840
gcttga						846

<210> 5574

<211> 273

<212> DNA

<213> A.fumigatus

<400> 5574

gagagcacc	taattcttgt	gagagtgtgc	cgccgtctta	actcacgtct	aacaacttcc	60
ttcaccatta	ctgtcgatct	ttacgggtaca	aatccaatta	tctacgggaa	acgcttgaac	120
tatctatttt	ctgccgatcc	agctgtcttt	cggctgctag	ttgcttccag	tttatttcca	180
gcctgctcgc	tcgatacatc	gcagcttccc	acgggtcttt	ttgcgcaaat	ttacgaagtc	240
ctctgtgcac	tctctcgctt	ccatctgcag	tga			273

<210> 5575

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5575

gtttggatct	ttattctgtc	atatgcatgc	agattgttaa	caagcgtgtc	gacagagtcg	60
cctaacgggtg	gagagcaaaa	caaacgtggc	agctactatg	gaggtaaata	cgcgctacaa	120
acctcaccct	tgaagacaat	atgcaatcgg	tcggactgtc	attttgtgat	gcagtatgct	180
aacaaccgtt	gctgcatgta	g				201

<210> 5576

<211> 315

<212> DNA

<213> A.fumigatus

<400> 5576

gcaattagtg	gctgtggccc	tcgaacagtc	gactctgggc	tctctaagag	ctatgcagca	60
caaagaccga	tttgggcaga	ttatcagtag	gtactgacag	cttgtgcaat	cggctgcaac	120
tttccactga	cagtttttgt	gatcaaagcc	gatcccgatc	tttccaatcc	cactcgctct	180
cgattcgaac	gtccattgga	gaccattcga	tctttcgaag	ctgctattga	agggacgtac	240
agtagtagac	ccgtttcctg	ggcgagaaca	ggtgagtttg	gatctttatt	ctgtcatatg	300
catgcagatt	gttaa					315

<210> 5577

<211> 1212

<212> DNA

<213> A.fumigatus

<400> 5577

attgccagaa	ggtcagaaga	ccgtagtcag	gccgcatgga	caactgacagc	ggtgggtgtg	60
cgactggcaa	aagcactcgg	tctccaccgc	gagcgagatg	agacattctt	caaccaacag	120
atgcgaggc	ggttggtggc	caccatctca	ctgatggacc	tgcaggcctc	cttcagccag	180
gcctccgagc	ccctcatcag	caactgaagag	gccacctcca	cattctttct	gccaagcac	240
atcaacgact	cggatctgga	tccaacaatg	acccatgaaa	ttccggacag	ggaggggtctg	300
tgcgatacca	cattcgcgct	tgtcacatac	cacatccagc	tggcagggag	agccctgaat	360
tttggcacca	cggcgctcgcc	ccagcacaag	gcgtctcaac	agcaacatgc	gcagcgcttt	420
gaggagaatg	cgctgcgctt	gttgcacttt	tgcgaccccg	aatcctcgcc	gtacgcgtgg	480
ttcacatggc	acggcacgca	atgcctcgct	tctggagctc	ggctgtccgc	tctacggccg	540
ctccagctcc	cgcaaccag	taacggcagt	agccagccac	cctcctcgcc	gtctccgagg	600
ccgcaggagc	acaaccacga	gtcctccgc	ctggccctca	acgtcttggg	aaaggcacac	660
ctgatgcaca	cagatccccg	cggcgagggg	ttccgctggg	acgtgacgat	gccgtggcac	720
gcgctagcgg	tgcgccatcaa	cgagtgtctc	ctcagcccg	atgtggtccg	aatccagagc	780
gcgtggccaa	ccattgaggc	gtgctaccag	ctgctgcgcc	gcaaaggggt	tgcgggccag	840
gaggaagcaa	ttcagcgctc	actggagaaa	ttgatatgtc	agggccggga	caaggcgagc	900
cctcttttgc	agctcgcaag	gtcgagcccg	acattcagcc	tcggtagcag	tactgggaca	960
tctgctgccc	ccacgcgcg	ttctcgggcc	agcagtaccc	caagtgcac	cctcagcgac	1020
ctgtcctggc	cgacagcttt	ctcccatgct	ccttcccagc	tcggcatgga	attggctcca	1080
gttggtcccg	tacagccggt	cgccaaactc	gatctggatt	cggtgctgtc	acagttcgat	1140
attcaggggc	agccgctgct	tgcgggccag	atccctcgct	ttcaccacgg	ggctggacgg	1200
atccacgcta	ag					1212

<210> 5578

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5578

ccatttgtga	tgccacgaca	ggctatgacg	ctcgcttccc	ccagcagAAC	cagtacgtct	60
tgttcttcta	tgaacaccgg	ctttgacaca	attgctaata	ccagcctcag	gaccaagcac	120
tgctggcaga	actacgttga	ctaccacaag	tgtatcaacg	ccaagggcga	ggatttccgt	180
ccatgcgcgc	aggttaattat	ttcaattgct	ggagtaaaat	aa		222

<210> 5579

<211> 669

<212> DNA

<213> A.fumigatus

<400> 5579

agcacctttc	agccccgcgc	tgaagacaaa	tcccgtttca	cctcgtcctc	gtcaccaccc	60
ggaacttccc	ccctcgttgg	aatcgccctg	gcctcaggct	tcattggcgg	ctttgcagga	120
gacccggccg	acgtcctaaa	cgtgcgcgat	cagcacgatg	cggcaactcc	cccggcccaa	180
cggcgcaact	acaagcatgc	actccacggg	ttgatacaga	tgactcgcac	cgagggcgcg	240
gcaagtctct	tccgcggcgt	gtggcctaata	tcaaccctgt	ccgtcttgat	gacagcctcg	300
caacttgcc	cgtacgatac	cttcaagcgt	ctctgtctcg	agaagctggg	aatgtcggac	360
aacctcgctc	cgcatttcac	cgcgtccctg	atggccggat	tcgtggccac	aaccgtctgc	420
agtcgccgtg	atgtcatcaa	aaccgcgctg	atgaccgat	caccggcgca	gaccagggc	480
cacactctcc	tgggcttgtt	gcgtgatatc	taccgcaagg	agggtttcgc	gtgggccttc	540
cgcggctggg	tgcctagttt	tatccggctg	ggtcctcata	ccattgctac	ctttatcttc	600
ttggaagaac	ataagaagct	ctaccgagtg	ttgaaaggaa	tttcggggga	taacaccatc	660
aacgtatag						669

<210> 5580

<211> 810

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (760)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5580

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gtcatcattt ctcgtcaccg tagccctgtg ctaactctgc aggtctctct ggctcaaggc      60
ttctgcacgc gtatcggcgg gggatcgcgc tacatccccg cgatggtagt catctcaagc     120
aacttcacga cgaaacggcc catcgcgaatc ggctgcgcgc ccacgcggctc cagcgtcggc     180
agcgtcgtct tccccatcat gttccggcaa ctgcaaccgc gcacgcggctt cccctggacc     240
gtccgcagca ttggcttcat caatctgatt ttagggctcc tgtcaatcct catcctctgc     300
cgaaaaccag gcaagaagtc gcgcgcgcgc agtatgatcg aatggcgcgc cttcagcgac     360
ctcccccttc tgctctcttc gatctccctc acctgcgctc tgctggcata ctacatcccc     420
ctcttctacg tccccctgta cgcgcgcacc cggtccaca ccaccgcag cctctccttc     480
tacctggctc ccacatcaaa cggcgccctc gccttcggcc gcgtcgtccc ctacctctc     540
agcgcgtaca tcgcgcgcgc cgccatcctc tgtctggcca tcgcgcgggtg cgcactcgcc     600
catgttcacc tggaaatccc ggaacgaatc ttcccggtt catcgtctgg ggccggtaac     660
tgggggttcc ttaccgggtg gctgttaccg gccccaccg aacatcggcc ttcaaccctg     720
tgttcggacc caaataacct gggacccctt tgggattatn tggggaatca gttccttgga     780
atcctgggtg gggacgcat tccaggggag
```

<210> 5581

<211> 474

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (423)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5581

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tcgaatggcg cgccctcagc gacctcccct tcatgctctt ctcgatctcc ctcacctgcg      60
tcatgctggc atactacatc ccgctcttct acgtcccttc gtacgcgcgc acccggtccc     120
acaccacccg cagcctctcc ttctacctgg tcgccatcat caacggcgcc tccgccttcg     180
gccgcgtcgt cccctacctc ctcagcgcgt acatcgccgc gatcgccatc ctctgtctgg     240
ccatcgccgc gtgcgcactc gcccatgttc acctggaatc ccgggaacga atctttccgg     300
cttcatcgtc tggggccggt aactgggggt tccttaccgg gtggctgtta ccggccccac     360
cggaacatcg gccttcaacc ctgtgttcgg acccaaataa cctgggaccc ccttgggatt     420
atntggggaa tcagttcctt ggaatcctgg tgggggacgc cattccaggg gcgc      474
```

<210> 5582

<211> 195

<212> DNA

<213> A.fumigatus

<400> 5582

```
ccagctcaca aggccattat tgggtgcgaat aacaatagct tcaactgttc atgtcagctc      60
cctcgatatc aggagcctga cattcacgtt acaggggtcg cgggtgcttga cttaaataac     120
cttattttca cctggctcgt tagtccgcca tgttatgatg gtggtacctt ccactggttt     180
actttgtgtg cttga
```

<210> 5583

<211> 450

<212> DNA

<213> A.fumigatus

<400> 5583

gtcgtcgatt	tacatttctg	taagacaact	ttatcctata	caccacgttt	tccctgtcat	60
tcgtttcgca	ctttgtcgtg	tctcaaaaaa	gtcaataatg	ctatgctaag	atittctccga	120
tccgcaatga	cttcgctcac	gacaccccg	gttccctattc	ccgtcaatgg	tgtcgactac	180
cgtggcaaaag	tagtcctggc	accgatggg	cgttcggggag	agctgccttc	acgccttctc	240
gctctcaa	acggagcgga	tcttgtctgg	ggctctgaaa	cggtagaccg	atcgcttatac	300
ggagccacgc	gccgagtga	ccctcgcaac	ggatgcatcg	aatatatcag	attcccctcg	360
aacgggtggcc	gccagacaa	acctgctcag	gagtcattc	tgtaccggat	tgatcccgtt	420
cgggagaagg	gaaaattgtg	ttcgtcttag				450

<210> 5584

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5584

ggcaagcacg	cgattcatca	tccactgcag	ttcaaggatc	cgagtatctg	gcagggggatg	60
agtttgcgga	ttatgtgtct	caagcatgat	ctcttcacca	gagataagt	gatgagcatt	120
gtcgaacct	tgaagagcaa	ctccatattc	cttcgggcac	agatcttttg	ggagttgtgg	180
gcgaagacca	atattaaccc	cccccttgat	ggccatgtct	tttcagccac	cagaacctaa	240

<210> 5585

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5585

gatcttcctt	ataagagaca	tttgggtacct	aagtctcgcc	aagtagtgct	acaagtcggg	60
tccaccgtgg	gactcggctc	ttcctgtttt	ggactttcca	agctctcctc	ccttgtgtac	120
tctaccaacg	aagggccagg	cgagaggaca	ggaatctact	gcgtactttt	tgagagtctc	180
tgtgtgcctg	gcattggtctc	cctgtcagaa	gggtgtctaa	gccatgactg	tgagtatgat	240
atagcacagc	cgtgtgcaac	ccagaagatg	cttataactc	acgtggacct	ggtatttctt	300
acctaa						306

<210> 5586

<211> 432

<212> DNA

<213> A.fumigatus

<400> 5586

cagtgttctc	tgagtgaaga	aggccagcgc	tctcctccgc	gtggccccgc	tgcagatcgg	60
cgacgcgaac	catccaggga	ccgacttgg	tctcgacctc	gctatcgaag	ccgcgaccgc	120
gatgactatc	gtcggcgacc	ttctagatca	ccgccaccgc	ggcgtggcag	accagcctac	180
agagatcggg	atcgtgaggg	ctatcgttca	cccggatgca	gtcggagcag	aagctacagt	240
cgcagtcgca	gccctcgtcg	gagtcgacag	ccttaccacg	agaaggaaag	cagagaagtc	300
atgatggatg	ggttgccggt	ggatatggcg	gaagaagacg	ttggaaaact	ccttcccccc	360
ttgaagttcc	atctctggag	ttttagaact	acgtccatg	tcacaaacac	gtccttaatg	420
gcaagaggct	ga					432

<210> 5587

<211> 192

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (156)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5587
 tgcagtagta gtatctcgtc gttctgctgc tgctcctaca cgatcctctc tcctactatt 60
 atgatgcaga tcctcccaga ggttacgact ttgtctttcc cggcggactg gatctttaga 120
 gccgttatca ggatggacgg cgcagtgtaca gtcttncgcc gagccagccg aaagtcagtg 180
 aaccggaaaa gg 192

<210> 5588
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5588
 ctccgacagg gcatttatct ggccggaacg atccttatga accagccctg gggcgcagac 60
 gggtactcga cattggatag aacgcttttg gatcagcatt ttggtaacat cgacacctgg 120
 cgcaacgcga tcacggagat ccacaagcgc gggatgtatg tgatattcga caatactatt 180
 gccacgttaa 189

<210> 5589
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 5589
 gtctcccaaa accccattct ctgctgctgg actgacgcaa atacaagctt gggatgatctc 60
 attggcttcg aaggctatct caacaccacc acccccttct cgggtcaagga gcacaaggcc 120
 ctctggaaga ccgacgtctg ctacgtggat tttgacattg gcaacgacta taactcaacc 180
 tgcgattacc cccgtttttg gtatgaggac ggtcttcgcg ttccctccga gcaggccgat 240
 cagctgggtg gctgctacaa cagcgatttc gaccagtacg gtgacattga agcgttcggt 300
 gtgttccccg attggcagcg tcagttggcc aagttcgcgt ccgtgcagga tcgtctgcga 360
 gaatggatcc cgagcgtgcg agagcgactg atccgtcact cttgcataat catcgctcc 420
 ctggatattg atgggtttccg gtacgataaa gccaccaggg cgacgggtga tgctctcggc 480
 gaaatgtcca tggcataccg ggagtgtgcc cgtgccgtgg gcaagaacaa cttcttcac 540
 tcgggagaaa ttaccgggtg tgattacttc ggttccatct acctcggacg gggcagacag 600
 cagaaccagt ggcttccgga cccttcccag ggtcccaaga tgacgaatga gtccagcgcc 660
 cagtatttcg tataa 675

<210> 5590
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 5590
 taccctcttc cttcagtgca tgggtcgact ccacatatt cttatccacc gcattgctca 60
 gaagcagcga acagaaatcc actaccacg atgaagtggg gatggaccgg ggcgttgctg 120
 gcctggtttg cgacaaccac atcatgctgg ccgtatgacg agagcctggt cgggtacaac 180
 ctcaacgaga ataaagaggc caaaagcccc gtggagtact ggggagaatg gccggaccat 240
 aaggggcaat actttccctc cccggaaaac tggcggtttc cattttacac cctgtttttg 300
 gatcgattcg tgaacggtga cccggagaat gataatatca acgggacgca gttcgagcat 360
 gatatcagct ccaaccagat gcgtcacggg ggtgatgtcg ccgggttggt cgctactttg 420
 gactacttac agggcatggg gatcaaagta ggttttcctg acctgactga tctgtggccg 480

caatga

486

<210> 5591
 <211> 624
 <212> DNA
 <213> A.fumigatus

<400> 5591
 gccatctgct atctcccat gtcttttct catacaaatt ttatccaaac cacggatacg 60
 ttgtttgcag accaagaggg ctggttttca tctctacggg ggtggacgag aaccacgatg 120
 gactcacgat ccgatatcaa ccccgattgg gtccggagga ctctcagggt attggttagaa 180
 gcaaattccgc gaaacgatga tctggctgag tatgcacttg ccgtggaatt ggctgcaat 240
 agcaaggaag ccaggaagta cgccaagtca cttctaaaga agaggagctc gaatctacgc 300
 ctttacaatg cgtacgctct catagaatgt cgctctggca atcccacagg tgccgaacat 360
 gtctgggcaa ccactctctc catgagcaag acattttccg atcacgacag ggtcgattgt 420
 gccttggttat ggcagagctg gacctgggaa tcgcttaatg ctcaagaatt agcccaagcc 480
 tcccacctgc tgctctcaat accacagaac agtggtgacc tcaaggctgt ccaggtgct 540
 tttagcgaaa ccattgttag cgcaacaagt ctctgaaaag cacagaatgt gagctctatc 600
 cacctgtttt attgcactac tagc 624

<210> 5592
 <211> 1326
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (25)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5592
 ttcatttccc aagcgacttg gaggnccgtg tcggacacgg actcaagtga cggcggcctt 60
 cgagtggatc ccgacgagga aatcagatct cgcaacgcag aactcttgag gaccgttgat 120
 cgaaatccca gagatattga agcatggatt ctctgtagag aacatcagga attgcttctt 180
 agaggttcag aaagggattc ccgcgccttg accgcgcggg aaagaaagag cttggccgac 240
 atcaaactgt cgttgtacga gaaagcgctg aaaaaggctg gggacagtcc gttcaaagac 300
 gtctctgctgc tgggtttatt agaggaaggt gcaaagctat gggacacgaa agagctctcg 360
 tcgcaatggc aggcagtgtc gaaagcgaat tcacaattta ttagcctttg ggtcaaatac 420
 cttgatttcc gtcagacgga atttctcgac tttacctacg aaaaatgctt caacacctat 480
 ctcaaatgct tgaaattgaa caaactcggc cctggagagc caggaaatgg gcatgtgcag 540
 gtctacttgt ttttgcggtt gacttgcttc atcaggggaag ctggattcac agagcatgcg 600
 ggggtctttt ggcagggcat tcttgaaaca gtgttctttc gtctgagga cctcagtctc 660
 gcaaaagatg aagaaacact ctcaagcattc attgaatttt gggaatcaga agttgtctcg 720
 atcggagagt tgggcgcaaa ggggttgaga tcgggagaaa atgctctcat ggaaccaag 780
 gccttcgcgc ctcaagttta agtcaacaca cgagcaattt ttgcatcctg gaccgcctgc 840
 gaaagagaac ggatatccaa tgctcaaatt cccgggcgaa gtctggatga ggccgacgaa 900
 gatgatccgt accgtgtagt aattgcatct gatttccgag aggttttacc ccttgtctgg 960
 gacatggact tggccgacgc gttgatcgat agcttcatgt attactgcca gttgcctcca 1020
 ctcaagtcac ccgagaacct ggaatcgacc agtcgttggg cgggagacaa tttccttcga 1080
 aatgagttta taagcaacac agggaccaca atggacgatt ttcttcagaa tcaaaaccaac 1140
 agtgctgagc catctgctat ctccccatg cttttcctca taaaaatttt atccaaacca 1200
 cggatacgtt gtttgcagac caagaggcct ggttttcatc tctacggtgg tggacgagaa 1260
 ccacgatgga ctacgatcc gatatcaacc ccgattgggt tcggaggact ctcaagttat 1320
 tggtag 1326

<210> 5593

<211> 426
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (111), (147), (201), (255)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5593
 atcagtcgaa ggagccccag atcgggatgg tcaaccccat ggcccactat ggtaagtccc 60
 cagggttttat acccatggag caggggagat cggttaactg tcccaggtgt ngacgtcaac 120
 atctatgcat cctcttctaa agatgcntgg cccctgggtg ggaaccacga aaataccgag 180
 atcggccagt tcatctcaga ntaccttgac ctggacgtgg agaacatcac caagcaccta 240
 caatcatcca ggcgttggtc gttcgccggc ggtgacgtag agcggcctta cgcttggtta 300
 ggagatcctt tgggcgcgga tgtccgcacc gagggctttg atacctacca cggagagttc 360
 aggaaacgct ctatggacgt ggacggcatg gagaagaggg agtgccgggtg cggaggggatg 420
 cattga 426

<210> 5594
 <211> 1350
 <212> DNA
 <213> A.fumigatus

<400> 5594
 tttgaaggga aaaagaatth ttgttgggaa agccaaaaga aactcgagaa atccatgcag 60
 gctgctcgtc ttgccgcgtc cgagtgcgaa agcttgggtg agaaacatac cgatgatatc 120
 aacaagaaga cagctgagac tgccaagctt gaagaggaga tgaaggcaga ggaggaagag 180
 ctgtccacaa ttogagaggg cttgaaggga aagaccagg gtctttctga gcagatagct 240
 gctaagcaga aatccttggg gccatgggat gagagaatca acaagaagct ttcagctatc 300
 gctgtggccc aaagcgagct cgacatctc cgcaacgaa gcaatgcagg ggctgtacaa 360
 ctagaagaag cgcagtccaa agtcacatct atcgaggaga cgctggcgac caagcaaaca 420
 gatctcgagg agcgcaaggc tcaaaaagct actcttgaag aagaggctgc cagtctgaaa 480
 cgggatctca agaaatttac cagcagagag accgaggttc gtgctcatgt ttctagcgcc 540
 cgacagaagg ccgaggaggc cagagctagc cttgcgagca cccagaaccg cggcagtggtg 600
 ctggctgggtc ttatgcgtct caaggagtgc ggtcgtattg atgggtttcca tggccgcctt 660
 ggtaaccttg gcaccatcga cgaaaaatac gacgttgcta tatcgaccgc ttgccctgca 720
 ttggacaaca tgggtggttga caccgttgag gtcggtcagc aatgtataga ttatcttcgc 780
 aaaaacaacc tcggcgcgcg caatttcatt ctgctcgatc gtcttccccg ccgcgacatg 840
 tctccaatct ttactcctga gagtgtacca aggttattcg acttagtgaa gccaaggat 900
 cccaagttcg cgcctgcgtt ctacagtgtt atgcagaaca cattggctgc caaagacctg 960
 gaacaggcca accgcatttg ttacggtgct agacggtgga gagtagtcac tcttgatggc 1020
 cagttgatcg acgtgtcagg aacctatgag ggaggtggca ctcgagttgc acgaggtggc 1080
 atgtcctcga agcaggtggc tgaggtgagc cgggagcagg tttcaaagct agaactctgat 1140
 ctgaagaga tggagaggaa attccaaaac ttccagaata aacagaaaaca cgtggaggct 1200
 gccatcagag agaagtcgga agagatccct cgtgtggaga cgaagattca gaagatcatg 1260
 atagagattg agagcgcaaa tcgcagatct agcagatgct cagcggagag tcaaggatat 1320
 cttcacgccg gggctggaaa ataccgctcc 1350

<210> 5595
 <211> 1449
 <212> DNA
 <213> A.fumigatus

<400> 5595
 ttccctttgc agcgccctt gcagcccggt ggtgaagaca tgctacatcg tgcaataccc 60

cagaagatag	cagggataat	gaatctctgt	gcatacaacc	ataaacacct	tgagcccgat	120
gatcctgccc	tcgttgaaga	gcacaaatta	ctgctttcca	agtttatgga	accctcttct	180
aggggtacca	aggaaatcga	gcgagtgtcc	tgcaacaact	ttgagacagt	ttttcattct	240
cagacatcta	tgagtagcgc	ctctaacact	ataaatgatg	aattcagcgc	agttaccaat	300
ccaggagtca	cgtcgggagg	caggaaggat	tgcaatgcc	aagtagctct	tggtttacca	360
acttctgcga	ggaaaaggtc	aacatccaat	ttgtccagta	tggacaagca	gacatttagc	420
tcttctgcat	catctgttga	acgggactca	tcctctccag	gtccatcttc	gaccagggtc	480
ctcgcgccaa	ggacacgacg	ttctactcgc	tcgagaaaca	agcaaataca	ttattatccc	540
gtgatcagcc	tctctgagtc	tgactcagga	gagggctcct	cgggcagtag	agacacaaaa	600
acagtcaata	ccagttcaca	ggcacgcaat	cggcagagcc	acaaaccttc	caatcaatca	660
tccaagcgcc	ttcatcacct	gaattcgaat	actgatcctc	tttctgatgc	tgaaatccgt	720
atcatctatt	cttcgcgagg	ggtgcagatt	cggaaattga	gcttcacatc	gcttgatcat	780
ctcaaagatc	ttaaaccacg	accattctgc	ccagagcata	atcctgccaa	atatgctagg	840
agatacagag	agtcctatgat	agtatcaagt	gagatcttgc	atgttgattt	tgactcgcac	900
gagatgacag	ctatgctcgg	tttattatca	ttacatgggt	gtcagtattc	accaaccaca	960
gaaatctcaa	tcagtgatca	agttatcgca	gttttgcga	gtcatgatgt	ccatcgggat	1020
tttgcgaga	aaatctctct	cctgcgcgaa	cttgccaaat	acatttcaaa	tgaggcagtc	1080
attgatacga	gcacctggct	ctgggaagta	ttgacctcaa	aagtcagaaa	taagaatcag	1140
caatctgtga	gacattgcct	taccctaact	cttactctca	agggcatggc	aggcgatggg	1200
gccttgtcca	gttcaccgcg	agtcatacaa	caacaactcc	agatattcct	aagctgctta	1260
cctcatgcct	ctatacttta	tcgacgtcag	cctgccgata	ttgggtgcatt	catccaggct	1320
gcaagaaatg	gacatctttc	atcatcgcc	tcgattattc	aagctgctcg	agtgactgat	1380
agtaacagcg	gctcctcagt	ctttgggtccc	attcgagccc	ttattacacc	gccaggatgg	1440
ccgaaatag						1449

<210> 5596

<211> 819

<212> DNA

<213> *A.fumigatus*

<400> 5596

tcgctggatc	gatacacgtc	aaaaatgaac	tcgacatttg	atccttggac	gcagaatatc	60
actctgactc	agtcggatgg	gacgacggtc	gtctcatctc	tagcactagc	agacgactat	120
ctgcactaca	tgattcgtct	cggcatcaac	tatggcgctc	agctcggcgc	atgcgccgta	180
ctcttcctag	tcctcttgct	gctgacaaga	ccagagaaac	gcgtctcatc	ggtctttgtc	240
ctgaacgtct	ctgcgttact	tgccaacatt	atacgtctgg	gatgccagct	cagctatttc	300
tctaccggat	tcgctaggat	gtatgcgttg	ctggctggcg	acttctccag	agtgtcacgc	360
gggtgcttat	ccggccaagt	catggcatct	gtgttcttca	ctatagtcct	tatctgtgtg	420
gaggcctcct	tggtgcttca	ggtgcagggt	gtctgttcca	atctccttcg	tcagtatcgg	480
atcctgctac	ttgggtgcctc	gacgctcgct	gcccttgctc	cgatcggggg	tcgcttgact	540
tactcggtga	tgaactgcat	ggtgatcatg	cacgcaggaa	ccatggacca	tctggattgg	600
ctagagagtg	ccacgaatat	cgtgacaacc	gtcagcattt	gctttttctg	cgccgtcttc	660
gtcgtcaagc	ttggactcgc	catcaaaatg	cgaagagatg	tggtgtgtaa	aaaattcggg	720
ccgatgaggg	tcattctttat	catgggttgc	caaactatga	ccatcccagg	taaggcccgg	780
agaagaccgc	atcatccaat	gaaagaagaa	tcatactga			819

<210> 5597

<211> 417

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (287), (327), (328), (333), (334), (374)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5597

ctgcctgtct	tgcaaatatg	gatccatccg	accaacagggc	ctccaaggcc	gaaccctacg	60
ttcgttggaa	cgaggatcaa	ccctgccgag	gcgggcgacc	attgtcggac	cgccattgca	120
tacactggcg	tgaaaaaaaag	aacagaccag	cgcgccatca	tcgagatcag	agctgctaag	180
caggctcgcca	gtacgcttct	cgctttgagt	acttcaagtg	ggattatagg	ctctgatgtg	240
aacttcgatt	ccaaaagaaa	gaaaacggcg	aacgagaaca	aactccnaat	taaagggtgtg	300
atcgtaacaa	ttgagtctgg	cgacgcnnga	ctnnagagca	gcccacatac	gaaaattgtc	360
tggaaaaaat	ggtntatccc	caacccttgg	tggttaaaac	ctaattattc	ctacaaa	417

<210> 5598

<211> 831

<212> DNA

<213> A.fumigatus

<400> 5598

agtactcaaa	gcgagaagcg	tactggcgac	ctgcttagca	gctctgatct	cgatgatggc	60
gcgctgggtct	gttctttttt	tcacgccagt	gtatgcaatg	gcggtccgac	aatggtcgcc	120
cgcctcggca	gggttgatcc	tcgttccaac	gaacgtaggg	ttcggccttg	gaggcctggt	180
ggctcgatgg	atccatatcc	gcaagacagg	cagttactac	gtgtgggtgt	cgttgcaatt	240
gatctgaaaa	gccccaaaac	taaccttaca	tgctatagct	cgacgctgat	agtgtttctg	300
ctctttgcgt	tgacgcactt	tatactggcc	atactatcaa	ctccttcttc	cgctaccgtc	360
gcctacgtcg	tctcgacctt	ttttaatggg	cttttcattg	gcgcttcgat	gaactatgcg	420
ttgtctcata	tgctacacct	taccaatatg	aacgtacact	acattgtgac	ctccctacta	480
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cgggagctga	agaaggctct	tgagaaggga	tttagcaagc	acggactttc	cgggacagat	600
gagcttgctc	gtaagctttt	gggaagcccc	gctttagtga	cgaatctgag	tggactggag	660
aaagaggtgg	ccattcaaa	ctatgagcag	gcagtcaagg	tactgatctt	gggaggctgt	720
gttctggctc	tagtagcgac	catgcttcaa	gcatgtacag	gctggagagc	acctcatgag	780
gtcgagaaa	atgtccatgg	tgatctggag	gacagactcg	atcggaata	a	831

<210> 5599

<211> 366

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (5), (6), (46)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5599

agtcnngcgt	cgccagactc	aattgtttacg	atcacacctt	taattnggag	tttgttctcg	60
ttcgccgttt	tctttctttt	ggaatcgaag	ttcacatcag	agcctataat	cccacttgaa	120
gtactcaaa	cgagaagcgt	actggcgacc	tgcttagcag	ctctgatctc	gatgatggcg	180
cgctgggtctg	ttcttttttt	cacgccagt	tatgcaatgg	cggtccgaca	atggtcgccc	240
gcctcggcag	ggttgatcct	cgttccaacg	aacgtagggt	tcggccttgg	aggcctgttg	300
gtcggatgga	tccatattcg	caagacaggc	agttactacg	tgtgggtgtc	gttgcaattg	360
atctga						366

<210> 5600

<211> 1749

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1741)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5600

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aaattgactt gttcaccag ggggaaggtg ggtatctgga gggagttatg gcgcaacaag      60
gcagtagccc cagaggtggc agatgtgtta atatggcgct tggctgcgct ggacagctgc      120
cattggcctg agggggggat accagttgag atgcgtcgtc agctcaacgg caagtaccga      180
gtattcatgg acgaggatct actggatagt cttctcttcc aatacctggg gctcaaattg      240
tccgtgacgt tcaagaatgc cttcaaggct tttttcagga ctgcgcttg gcaatctccg      300
cgccagcaga tctccaaaga agagcgggaa cggcgcaggt attttctggg ctcgactggt      360
cgtggcggct gcgtgaatga ctacagacgg cagatgtacg agacacaata ctttatgacc      420
cagctgccgt cgtccgtgga agcaggtggt ccagagtacg gtgatgaagc gaacagtgc      480
aatatcactg acgggggaaa gcgcaagaac cacctggaaa ccaagcacgc gctgcttcac      540
cttctgatca cagagtcgat catccacacc aactatacgc gccaatttac ggccatctgt      600
tccgatttca agtggtttgg ctgcgtcactg tcacacgcga ccgttctggc ggtactggag      660
tactttggag tgccccagaa ctgggtccat tttttcacgg ttttctcga agcgccactc      720
aaattcacgc aggacggaga gaacgccgcg gtgcaggttc gcaggcgggg agctccata      780
agtccacgc tatcggactg ctttagcgaa acggctctct tctgcatgga ctatgcggtg      840
aaccaaagca cggagggcgc ctacttgtac cgtctgcatg acgacttttg gttctggggt      900
cgcgagcaga cctgcgtcaa agcttggggc gccatgacca aattcgccaa ggtcatgggt      960
cttgagttca acgaggaaaa gacaggaaca gtccgactga caaagccaaa cccccgtcag     1020
ggcagccag ttccagccga atcagagcat tcactctcgc taccgaccgg ggacatccgc     1080
tggggctttc tgaagctcga cccgcaggaa ggccgcttca ttatcgacca gtcgcgggtg     1140
gacggccaca ttgccgaact cggccaccag ctgcgcgctg gcaagagcat cttgcgctgg     1200
gtacaggcct ggaacagcta ctttgcgaga ttcttcacca acaacttcgg caaaccgcgc     1260
atgtgctttg gccggggcca catcgacatg gccatctcga ccctcagccg catcgagcgg     1320
accctattcc ccgacggtgt cacctcacac ctgcgacaga tgatcgcgga ccggttcggc     1380
gtccgcgac ttcccagcgg cttcttctac ttcccgcgtg accttggtgg cctgcagctg     1440
ctgaatccgt acattccgct tctgggaatg cgcgaggaca tcaagcagac gccgcagcgc     1500
cggctccaga aagcgttcct ggaggacgag gatgcctggg atgcggccaa ggagcgattc     1560
gagaaggacg ggccctgcag cgcggcgcag attgacttcg gcgatgatga cagcccgggc     1620
acgttcatgt cattggacga gtttatgcga tatccagagt cttccagcca ggctttgctg     1680
caggcgata aggagtcttc accacggggc tggaaggatc cgcggcagcg caattcaata     1740
naaaatcgc

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<210> 5601

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5601

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cgacgcattt caactggtat cccccctca ggccaatggc agctgtccag cgcagccaga      60
cgccatatta acacatctgc cacctctggg gctactgcct tgttgcgcca taactccctc     120
cagataacca ccttccccct ggggtgaaca gtcaattttc aattaacgaa cttggagacc     180
cactccaagg tc

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<210> 5602

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5602

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agcccacaat ctctgcacac tgttggcggt tcagcacttt acattcattc ctggttctct      60
aatggatccc caaagggcaa gtccgaaggcg gcgaaagtct ggaagaagat actttggaag     120
aagctcctta gcatccaact cctgctcgcc cctgcctacg gccgcctcgg agcaaagtac     180
tgctggcgac gtcgtatgta g

```

<210> 5603
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 5603
 ttctccatga aatgtttcat agccgtgaag gaattcagga gcatgggtgag gataagtcta 60
 tacctgccta cggctaagtc ttccatctgg ttaaactgca gagaaccttg ttcttatcga 120
 attgacaggg caaatTTgac tcacaacgct cctggaaatcg gagtcttccc ggggtgtcctg 180
 gagccttacc tgacatttac tacatacgac gtcgccagca gtactttgct ccgaggcggc 240
 cgtaggcagg ggcgagcagg agttggatgc taa 273

<210> 5604
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 5604
 caatggacgg gctgggatct gaaaaagatg atgactacgg caaggtttgc agacatcgac 60
 gtgagcagtt ataccactgg ttatgattac agattcgagc cttatcccga agattactac 120
 gagccacatc cacacgactg ctctgttgtc acgttccgag gtcacggtg actcaagaca 180
 ctcatccgtt gtcattttctc gccatcaagt agcacgaact cgcgctatgt ttacaccgga 240
 agtgaagacg gcaaagtgtg cgtttacaac ctggacgcaa cgcttgccggg cactattgat 300
 gtcgggcgtg caactctgaa ttcgagaccg cgcgacccctg atatgttcac caccgcgtat 360
 gagatcagga gcaggagcgg ggagatgctg tggcggacct gcgttcgaga tgcgagttgg 420
 catcccagcg cgccagtcct ctctggtaag atcattcttt tctaa 465

<210> 5605
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 5605
 tcaattgctc atggaaacat ggctttctatc attgttctcc caactgagct cctcggtcgc 60
 atcatctcat tcttggaccg gtcgtccctg aaggctatcc ggcaaacgag tcgtcgtctc 120
 tcacagattg ctactccaca gctattcgcc actctgcgtc tgtttccgga cgaaaagagt 180
 tatgaggctg tcgacgcat tacggacat gcaacactga agaaaatggg caagaagggtg 240
 tatgtcaata cgtgcgaaga tgactatgtc agtccatctc tattcctcgc gaatcgaggc 300
 gctccgcaca ctaacaggct taggacgact atgacgagga ggaagtcgaa ttga 354

<210> 5606
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 5606
 ccaaatgcag atcagagtag aaagcgagggt attctcgagt cggatctgct gctatccacc 60
 ttccgccgatg tctatctgaa agatatgacg ccagaacagc tccaggagta cgaccgtttc 120
 ctggacgaga atgactggga catctactac tgggctacgc aggacctcc gtctgctacg 180
 gacagcccag ccgaggatac cgtcaccgag acgtggaaac gcaccggagc caagagtgggt 240
 gagtgggaag agaccgttgg tgcttacaag gctgcgtata ggccagtccc ctgcggttgg 300
 gccgattccg aggtcctcag gcttctgaga caacatgtac gcgataagag cgctgttggg 360
 ttccatgctg cgaagaacaa gaagactggc ggctgtgggc tgggaagaat gcccgacatc 420
 caagtctttg ataaatag 438

<210> 5607
 <211> 918
 <212> DNA
 <213> A.fumigatus

<400> 5607
 ggggatcggc cgcaagtcgg tgttacaaaa aggaacggcg tgcgacttgc taatgaatta 60
 cgcagagggg gtcgggttgca accatatcgt ccttggggcaa ttcatatatc ccattactat 120
 cgatcttttc atcaatctgc tacgatgttc aaggctcggc acgatttcga caagattcag 180
 gcttcccgac ctgacttcaa gcgtgatgcg ccagtcactt tctctaagcc tccgaatcca 240
 aactggaaac aaggcgacgg tgccaatgat ggtggggaga gtctgaagaa gagtcacgtc 300
 gaaatcgatc catacgaaga aggacgaccg gtatcatcaa actataagct gttaatctcg 360
 ggaattgtcc caagacccat tgcgcttata agcactaggt ccaaggatgg aaagacgacg 420
 aacttggcac cgttcagtta tgcctcaagt atcaatcacg accctcctct tttcactggt 480
 ggattcggtg gctcgcttga gaaggcgaag gactcgctga ggaatatggt cgagtcgggt 540
 gaatgtgtga ttaatataat ctctgagcat tttgtcgagg ccgctaacgc gaccgctatc 600
 aatgcaccgt acggagtttc cgagtgggag gtttccggcc tgcaccaagc gccttgctct 660
 gtcgtccaag ctgcccgtgt caaggagtca atgttctcga ttgaaggcaa gctcgctcag 720
 actaaggagt tccagagcag aacgacgggt aagaaaacag gtactctggc tattatcgag 780
 ggggtccggg tctgggtgag ggatgacgct atcaacgagg acaagagcat tatcgacctc 840
 aaagtcctga agcccatcag tcggctcgga ggtatctcat atgggcgtac cgctcatcacg 900
 acgcccgtga agatcacg 918

<210> 5608
 <211> 192
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (144)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5608
 gtatcccatg ttgcgattta taatagaacc agagcccat tgcgagagg aaagtatgcc 60
 tatctaatac atgcacacta ttacgtagcg gatacgacaa ccaacaagaa agttctattg 120
 gctgaccaag tgggtctactg tttntgcgtc gctatctctt tcaatggtct agagtctccc 180
 ttatcgggtt ga 192

<210> 5609
 <211> 639
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (111), (227)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5609
 cctccgcggc aggggggtccc agcatcagcc cctttcccca tccccagtcc attacggaac 60
 aactttccac tgccttttgt tcagagtagg cctttttacat atacttcacc ntatgcttcc 120
 gatccccac cgagtttagc tcagtttcag caggctcagc agtcgcagca acaaccaggg 180
 ttgactcgc agtcgcaaca tctctcaccg taccttcac acaacgntac cgcaccgcca 240
 caacttcaac aacagcagca tgtgccacct ccacttcogg gcaaccctca gcaaccacag 300
 cagtatctcc caccgaaccc aggaccaccg atgcagcctc cgcagcagca acagcagctc 360

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aattacaatg ttgcgcccac gaacgctggt tccacgtcga tggaggatcc cgaatctgtg 420
tcgttttgagg agcgtgcaag caaagcaatt gatgactttg aggctgttct cctggaagac 480
tacgaggaca agaatcacat caaggaagtg ctcaagagcg cacgggctcg tgctctgggc 540
cacgcgacgg agagctcatt ccttggcggg gagcccaagg acgaagctgt cattctggat 600
gcgcttcgca ccttgattgg aggccttgaga gaccagtaa 639

```

<210> 5610

<211> 243

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (88)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5610

```

ctcagttttc gcaggctcag cagtcgcagc aacaaccagg gttgcactcg cagtcgcaac 60
atcactcacc gtaccttcca cacaacgnta ccgcaccgcc acaacttcaa caacagcagc 120
atgtgccacc tccacttcgg ggcaaccctc agcaaccaca gcagtatctc ccaccgaacc 180
caggaccacc gatgcagcct ccgcagcagc aacagcagct caattacaat gttgcgcccc 240
tga 243

```

<210> 5611

<211> 570

<212> DNA

<213> A.fumigatus

<400> 5611

```

tatacgcata gcgcggatcc ttccggcccc gtggtgaaga caacatcggc aatgaatacc 60
gtcctcgacc ccgtaacaac atacggctta accgcgctcc cctcctctctg taccaccctc 120
ttcaacggca acatccccag ctcaccaccc cctttcgtcc caaccactca aactcccac 180
ccatcgacc cctcgcgaac tcgcatagac aactacgcc gcgaaaatct ctccgagcaa 240
acctaccacc actccctccg cgtctaccac ttccggcctcg ccatcaaacg ccacgccttt 300
cccacctggt ccttcacaga cgagacctac ttctcgcct gcctgctcca tgacctcggc 360
acaacagaca agaacacgcy caagaccgcy ctgagcttcg agttctacgg tggccttctc 420
gccctcgagg tcctgcagtc gagcgcggag catcccgcca accatttcgg ggtacggtgc 480
agtcaccggg accgtcgcgc cgaggagca ggccggagag tgtcttcgag gctatcgccc 540
ggcaccagga tttgtgcgag aaaggaatga 570

```

<210> 5612

<211> 240

<212> DNA

<213> A.fumigatus

<400> 5612

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acctcccctt cagtggtttt gataacgtgg gtagataata ccggcgccaa tgagcacctc 60
gtcaatccgc agacgatcaa ggatgtctgc gagaattatc cccggaagca gtggagcagt 120
tgctttgcgg gggtcattcg caaggagaac gggctgaagc cgtgggcgca ttccaccacg 180
ctggggggagg agtttccagc gaagatcatg ggggaataagc tgatggcgcc gtatgagtga 240

```

<210> 5613

<211> 399

<212> DNA

<213> A.fumigatus

<400> 5613

gggttgtag	aatatgcgca	caaactgaat	cggcctattc	ccaacggggt	cccctcagat	60
gagcaaaca	atattcttgt	gatgcagtcg	caaacgatgc	gagacttgga	agagctaacg	120
ctggcgtttg	acgggttgga	gcgattcggc	ctgtgctgga	agaaaattga	caagtgcgta	180
tcgatctatg	tcttgaaccg	aaatgggtctg	ctgactgatg	tcgcatttag	gagcaaacgt	240
agacgggatt	ctggcgcggt	taaggatctt	agggatgagt	tgcaagatac	tctggatgag	300
attagtatgc	atgtggacgc	ggtgctggac	gaatggctga	ctgcgccgcg	agacggtaag	360
ctttgtctcg	ctagacatgg	gagatggaag	acctactaa			399

<210> 5614

<211> 363

<212> DNA

<213> A.fumigatus

<400> 5614

acttttttcg	gtatagaagc	ggaagaggcc	gagctggaag	aaatccgggt	cacctacatc	60
cccgaactgt	tcctggacta	tcacaatgcg	ctgtactttt	ccgcccacgt	cctcaccagc	120
gagatcttgg	tgcagtgcac	gaacctggcg	atgcaagtat	ccgagaacga	atatctgacg	180
cgagtttttg	tgtcatcgcg	ccggatggca	gaattgggtg	acgcgttggc	gctgtcgagc	240
aaggcgatgg	ttcagaccgc	ggccaagcct	ggcaagagac	tactgggagg	cgagtcgctt	300
ggcatttgga	cagtggaggt	tcccagagat	gaggagcagg	agtttctccg	tcaggccaaa	360
tga						363

<210> 5615

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5615

tcgattggga	agacacgcac	ggaagccttt	cacatgccaa	gtcacgtgga	tctccgtacc	60
gtttatatgt	acggagtaga	tgtgagagac	aactcgaatt	ggtgtcttga	ctacaagttt	120
gcacatggga	aatcgtggat	tgcagagagt	aagtcactta	aaagtatggg	tacatctatt	180
ctaccgaatg	tgctatttgt	a				201

<210> 5616

<211> 462

<212> DNA

<213> A.fumigatus

<400> 5616

taccacagca	agatttttaa	cctccatgca	atccatctgc	gttttgtgct	actttatgat	60
gatatgatgc	agttgatgac	aatgcacaca	cgtgcattat	tattatgcc	tgtacttttt	120
gcaacactat	cctgcatatt	ggcctctgct	actgcaatct	tgcgtcacac	gcatacggca	180
tcttttacga	actccacctg	tgccttttagc	tctttccatt	ccagatctgt	cttttttttg	240
cattttttct	tcgtttcgct	tgtgatatgg	accatcaatc	gagatttggg	agtgtctgctg	300
gttaaggagc	ctggctactc	cgaccacgcg	ggcaaggcag	tcattggatt	tgacttgaga	360
ctggtccctg	agctggcttc	gtttttctcag	caaggaaata	aggcccaagc	accttcctgt	420
atgtgttctg	ccagttcagg	ttttttgttg	tcttatctct	ga		462

<210> 5617

<211> 552

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (68), (70), (184), (230)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5617

tcaagaagtg	ccctgcgtac	cgccgagttc	caaagtggac	gccaatgat	cgatgaaatg	60
ctggcagnan	ctgagctgaa	gaagatgctt	cgcgactctt	tcgccaatta	cgttgtccag	120
actgctatgg	acttcgcaga	cccagaaacc	agagctcgta	tcgtcgacgc	tattcgccca	180
atcntgcctt	ccatccggca	gactcctcat	ggccgcccga	tcgcccggcan	aatgatggca	240
tccgaaggct	ccggtagggg	aagtgcgcgc	acaagcggac	aggtcacgcc	gaacgagatg	300
aattctgccc	agcttcggg	tcctttgcaa	ggaccacaga	agccattctt	gtatcaacac	360
aactcatttc	ctgctccac	tgtcggaccc	caatttggaa	gtcagaactt	catgcccgt	420
tctggctccg	gctctgtttc	caacaccaca	tctggcgggtg	ctagcgataa	ctcttcggc	480
atztatgccc	ctgctgctca	gcaaccgaac	ggcaatatcg	gagctcagag	ccagctgtac	540
gcttacttct	aa					552

<210> 5618

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5618

ctaatatctt	gcacctccgg	taaagtcgcc	gccatggcgc	ccaaagtcga	gatctccatc	60
ccaaccacta	ccacctcaca	cacctacccc	ccctacacaa	tctacaacat	cactctgcgc	120
ctccccctgc	gctccttcac	catctccaag	cgctactccg	acttcgttgc	cttccacacc	180
tccctcctga	accaaaccaa	cgccccgcca	ccagcccccc	ttccgttttc	acaaacagcc	240
gtggaaggac	cgcatatggt	tatcccccaag	caaccgggt			279

<210> 5619

<211> 843

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (706)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5619

cagacatcaa	ccgagaaatt	atatctttcg	ggattttcgt	ccgatggaga	cgtggacaaa	60
attggatgcg	acgacctcag	acagactggc	tatctggata	tcgaacgaag	cattctgctg	120
cacgacaaca	tcagccaaat	cgcccttagc	gtttcgtccc	atccaatgat	ccaggagata	180
ctggatcaaa	ctgcgcatgg	tgtgaagatt	ttcgagcctc	atgatcta	agagagccgt	240
ttgtctcaat	tcgcaggatc	aggagtctgg	ctatcccagc	tgaatgtgta	tattgtggcc	300
tcgcgcgtgg	tgtacacagc	tcctggaacc	tcctggccga	caatcagttt	cttaagaggg	360
agagtctttg	ataaaaattg	gagacacttg	gaaaattaca	ccattgactg	gtatggaaaa	420
acgacgacct	ttccgctgct	attcgagata	ccgacagtat	ggtggaagga	tggaagcttc	480
tttggccctg	aggatccacg	catcgtctta	gaagaagggg	ttcaagggtg	cgagccgatc	540
attgttttca	atatgatctt	gaacgctacg	ggctatcccc	gcgtcatgtg	gatcttcaag	600
cctttctccc	gtatcatctc	ctacttaagg	attcgagggtg	aggagagaaa	accaaccgag	660
aagaactggg	ctccattctt	ctatagctac	cgcgctgatt	ccgaangaaa	accaagcgag	720
cacttgtatt	tcgttttacg	ttttaatcct	cttcaagtgc	tcaaagtcaa	aagtgcact	780
gggagttgcg	actggttcta	cagggcaaca	tcaagcccgg	acttttcgtc	actgccacat	840
tag						843

<210> 5620

<211> 204

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (79), (87), (88), (126)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5620
 cactgggagt tgcgactggt tctacagggc aacatcaagc cgggactttt cgtcactgcc 60
 acattaggac cctcatggng aaatgcnntg ggggacgaat ttcgtgcggt tgcccttgct 120
 gcccantcag gacttccaat tctttctggg aattccccga acacacgtcc agttttgcca 180
 atccgggtct ttctatcgcc ctga 204

<210> 5621
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 5621
 tctttgcgtc ggagcccgcc cgtgtggag aagatgtgtg acgaggcctg cttacaagat 60
 ttaagcaata atccgtatatt tctgggtctat cctgccagta agcctcaaat gaaaaggctt 120
 cagttccgca gctcctcgga cagcatatcg gttttgatcg catctttacg gcttgagttc 180
 gccgcgctgt ccacagcaca tgatatgata tctttctcta tcacggacca tcgcgatttc 240
 tgcaacgggtg tattgtgggtc cccccgtag 270

<210> 5622
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 5622
 ctccatttgc gcaattccga cctgactatc aacatgggtc ctccctacatc taaaccgaat 60
 tcgagcttct cgaaggtata tctgaccaag aataattacg cagggcgatc tcttcaccca 120
 aatgctaagc gccctggaaa gggagttgag gaatcagcga aggaagaaaag caccacaggtt 180
 gttgagagtt tcgaggtgga tggggataag cagatagtg acaatgagga cataaccgct 240
 gaaccgcga gttctccggt cagttctctt gaggaccacg agaatgagat tttgcctggt 300
 tttgagtact ttgacagcgc agtaggtgaa aggaggagc cacagcgagg gaggaagac 360
 ttacgcggct cagagtctcc tacgttgaga cgcaagagga atgccgatga aatggccac 420
 acagctcagg ccgatgccga gaaggaagac tacgtatttg gctggtcaca aagccagaag 480
 aagcgcaaac aggggttacgc tggaaagaca agcgatggct ctttgtggaa ggcgcaaggc 540
 tctacgaccg ctccctccca gtcgaaatca tcgccttct cc 582

<210> 5623
 <211> 1053
 <212> DNA
 <213> A.fumigatus

<400> 5623
 acgcttgaat tattcagcca gatcttatct ctgggtgaacc acggcaacag cttgctgaag 60
 gcggactttg tcaagggggt caacgggggtg attggcaacg ccaacacttt gttgacagcc 120
 gattttgtca aggagactcg cggcctcatt gaagctgttg ctcccathtt gacaccgaa 180
 ctgttcaagc agattggcac tctcctaata aacgccaaca ctctgctgac ttccgacttt 240
 gtcaaggagg tcaagcagct catcaacgct gtcgggcttc tgctgtcgcc ggatctgttc 300
 aagcagatca gcggtctgct gaacaacgcc aacgacgtg tgactccgga cttcgtcaag 360
 gaaaccagaa gcctgggtcg cggtattgct cctgtgctga caccggcggt gctcgtgag 420

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gttggcgctt tgttgagcaa cgccaacgac ctcttcacgc cgaccttcgt caacgaaacc 480
caggggtctga ttgggtgctgt ggcgcctaac atcactcctc aactcttcaa ggagatcggc 540
agcttgctaa ataatgccaa ctctttgctg tccaccgacg gcttgacga gatccagagc 600
ctgctgaaca acgccaacga tctgttgact cccgacttcg tcaaggagac caaggacctg 660
attggcgatg tctcgccgt catcacgccc gagctgctgg gacaagttgg aggccttctg 720
aataacgcca acaagctcct caccactaag ttcgtcgagg aaactcagca cctgattgac 780
agcgtgggac cggccctgac cccggcgcta ttcaccaatg tcacctacgt tctgggcaac 840
gccaccaaac tgctgacgcc caagtctgtc aacgagacga gagacctgat tgacgggtgtc 900
tcccctgtca tcacaccga cctgcttgta gaggtcggcg gtctcctcaa caatgccaat 960
gatctgctca ccaggaagt cgtaaatgag acacaggtcc tggtcgagga tgcattctgag 1020
gtatgttccc taacccttaa atccacaaat taa 1053

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<210> 5624

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5624

```

ggaacatacc tcagatgcat cctcgaccag gacctgtgtc tcattaacga acttcctggg 60
gagcagatca ttggcattgt tgaggagacc gccgacctc acaagcaggt cgggtgtgat 120
gacaggggag acaccgtcaa tcagggtctc cgtctcgttg acgaacttgg gcgtcagcag 180
ttgggtggcg ttgccagaa cgtaggtgac attggtgaat ag 222

```

<210> 5625

<211> 315

<212> DNA

<213> A.fumigatus

<400> 5625

```

agagagagcg tctcacgtcg catgatacac ggcgctgagt ctacgagaag tcgttgccctc 60
ttacaagatg aggctgcaat ctgcactcgg atctccagcg agctcgcata ctattacttc 120
gatattatca tgacacaatc aatatctagt cttggcatga accttgatt tcttttgggc 180
tatggactaa ttataaagac atcaaccac tcgacctgta tggcatggta cataacagtc 240
ctcaacatga agatcattaa acatgaagcg cgtgattacc tcccatatat gtcaaaaaag 300
agaaaacttc aataa 315

```

<210> 5626

<211> 285

<212> DNA

<213> A.fumigatus

<400> 5626

```

gaagacctat cgtccaactg gtgttcgaca gcccaactgt ttgatccaga aaccatgtca 60
ctcctacca gcgagaaacc ggcgagcgtg caaaatatcg aggatgtcgg ccagcgcgcc 120
ctcgacaaca tcgactatga cgaggaatac tcgtacgaag agcagcgcaa gatcatccac 180
cgcattgacc ggcggctggt caccatgaca ggtcttgcat actgcatctc gctgatggac 240
aggacgaatc tcagtatggc tgctgtggcc gggataggac cgtga 285

```

<210> 5627

<211> 654

<212> DNA

<213> A.fumigatus

<400> 5627

```

gcccttcagt ctaattcgct tctcacccc ggccttcgac ccgaagattt ggggcttcgc 60
aatgattttc ctgtaagtcc gcgcgcgtca acaacgacca ccaccactga ccgtcgcagc 120

```


tgcaccacca	ccgtcaccta	cgccatcgca	tacttcctgc	ccattatcct	ccagcaaggc	180
atgggctaca	gcgtcggcgc	ctcgcaatgc	cttgctgcac	ctcccttcgt	cttcgccggc	240
atcgtcatgt	tctcctctgc	ctgggtcggc	gacaagtacc	gcgtgcgggg	cgttctcgtc	300
gccgtcaact	ccatcctgtg	cctgatcggc	ctgcccatac	tgggcttcca	ctcgaacaac	360
gctgtccgct	acttttgcg	cttcctcgcc	acggccggcg	ccaacgccaa	catccccgcg	420
atcatggcct	accaggccaa	caatgtccgc	ggtcagtggg	ctagagcgct	ctccagcgcg	480
acgctgggtg	gattcggggg	gattggcgg	atcctcagca	gtctgggtgt	ccggtctcag	540
gatgcgccgg	gctatcggcc	tggcatgtgg	acgaccatcg	gggtgcgtgtc	tctttccttc	600
cttctttttt	tcacttctgc	agcagtactg	actgaggtag	atgcaatatt	ctga	654

<210> 5628

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5628

atcacccggc	ttattggagt	cttgaccctt	ctcctactcg	tcgactttcc	cgatcgcgca	60
cacaagtctc	ggcgattcct	cagtgaagaa	gaatgcgcct	ttgtcgtccg	gcgcatcaac	120
cgggaccgat	ccgatgctga	tgatgagccc	ttcagtctaa	ttcgcttcct	caccccgggc	180
ctcgaccoga	agatttgggg	cttcgcaatg	attttcctgt	aa		222

<210> 5629

<211> 219

<212> DNA

<213> A.fumigatus

<400> 5629

tcgtatgttt	ccctgttcag	gtcagaggac	atcagcctaa	ccataagaca	gggaatgggc	60
ttcacgaaag	attggaagca	aatgactgta	tgctcgtcgt	tgctgggtct	tctggaagca	120
gggtactttc	ccggttgtgt	atacctgctt	tccagctggg	atgtcagatg	tcagtgtccc	180
ttcctcgcct	cggatggccg	gttctgtgta	ctgacttga			219

<210> 5630

<211> 426

<212> DNA

<213> A.fumigatus

<400> 5630

ccgcatgcg	cggatccttc	cggccccgtg	gtgacgactc	gtatgacaga	tgctcttcgc	60
gcagtcacac	ggttggccat	ccaggaagca	cgtgcgcgcg	aaatccgcc	ggaactggtc	120
aagagcgaga	agctcaagcg	gcactttgaa	gagaaccccg	agaactcaa	gcagctgcgc	180
catgacggcg	agcttcgcgc	agcgcggatt	caaccacatc	tgaaacacat	tcccgattat	240
ttgatgccga	gcaagggaag	gaagggcata	tccagcgagg	acgttgggtt	tggttggttc	300
aggaaatcgg	gagacaatcg	gattcgcaaa	gctagagaga	agaatcgggg	taagggtaa	360
gggcggaaac	cctccggcgt	gaggaagggt	gacccgctca	agacctttaa	tcgggggtcgc	420
aagtga						426

<210> 5631

<211> 957

<212> DNA

<213> A.fumigatus

<400> 5631

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atatttcccg	tgcgcatcgg	tgctctcgcc	ctcacaccac	tgacctccgc	gtggaccctg	120
acatggcgca	actcgaccgc	cggcgccacc	atcatcaatg	agaacaaggc	cgaaaactgc	180

acgcgcacatct	ggcaccagaa	aggcctgcgc	tttgccctggg	atccagaggg	gaaatggtgc	240
atgcacttct	acaaggacgc	ggcatgcacc	caaatcgccg	gctacgcctg	tgacgggaag	300
gtctggcgcc	aggacgcctc	gcgcgatctc	cccgcccttg	acgtcttccc	catgcccccc	360
gagtcogtca	gcgtcatttt	cccgtegcac	tcctcgacag	caaccactcc	cacctccacc	420
gccgtaacca	ccacagcatc	ccagtcctcc	tcagccgcct	ccgcagccgc	atcgaccgcg	480
cccaccacat	cccccaaccc	gtccccctcc	cccgccctgt	cctcctccac	cctctccggg	540
ggcgccatcg	ctggaatcgt	catcggcgc	atcgccgcgc	tcggctctcat	cgccgcctcc	600
ttctttcttct	tcggaagacg	caaccgcaag	ccagcccagc	ccgcggagcc	cgacccgcgg	660
tcgaccaccc	cgccaacccc	gcaattcccg	ccgggttcgc	cactcggcct	cgtctcgacg	720
aacgataccg	cggcggcccc	cgcgccagct	tacatcgctc	cgaacaagcg	ggaactcgcc	780
gaggcggaga	tgtcccaggc	gtatgcgcac	gggtacgggc	atccacgggc	gtacgcgggc	840
gccaagtctg	tcgagttacc	cggaacggg	gcggaggcgg	aactgagcaa	tagccgacag	900
gtgcacgaga	tggatggaac	gagtgatata	aagcggccga	tttatgaggc	ggcttga	957

<210> 5632

<211> 459

<212> DNA

<213> A.fumigatus

<400> 5632

ccaccacagc	atcccagtc	ccgtcagccg	cctccgcagc	cgcatcgacc	gcgcccacca	60
catccccaac	ccgttcccc	tccccgcct	cgctctctc	cacctctcc	gggggcgcga	120
tcgttggaat	cgctatcgcc	gccatcgccg	ccgtcgggtc	categccgc	ctcttcttct	180
tcttcggaag	acgcaaccgc	aagccagccc	agcccgcgga	gcccgaaccc	cggtcgacca	240
ccccgccaac	cccgcaattc	ccgcggggtt	cgccactcgg	cctcgtctcg	acgaacgata	300
ccgcggcgcc	ccccgcgcca	gcttacatcg	tccgaacaa	gcgggaactc	gccgaggcgg	360
agatgtccca	ggcgtatgcg	catgggtacg	ggcatccacg	ggcgtacgcc	ggcgccaagt	420
tcgtcgagtt	accgcgcaac	ggggcgagg	cggaactga			459

<210> 5633

<211> 405

<212> DNA

<213> A.fumigatus

<400> 5633

ctcgacgaac	ttggcgccgg	cgtagccccc	tggatgcccc	tacccatgcg	catacgccctg	60
ggacatctcc	gcctcggcga	gttccccgtt	gttcgggacg	atgtaagctg	gcgcggggggc	120
cgcccgggta	tcgttcgtcg	agacgaggcc	gagtgccgaa	cccgccggga	attgcgggggt	180
tggcggggtg	gtcgaccgcg	ggtcgggctc	cgcgggctgg	gctggcttgc	ggttgctctc	240
tccgaagaag	aagaagaggg	cgcgcatgag	accgacggcg	gcgatggcgc	cgatgacgat	300
tccagcgatg	gcgcccccg	agagggtgga	ggaggacgag	gcgggggagg	gggacgggggt	360
tggggatgtg	gtgggcgcgg	tcgatgcggc	tcgggaggcg	gctga		405

<210> 5634

<211> 321

<212> DNA

<213> A.fumigatus

<400> 5634

agacttccga	ttgcgatgac	catccgtgct	tcgaatacat	atgaggaacg	tgctcttggg	60
ctatatccct	ctaattagga	tgagctggat	gagaataatg	gaattaacta	cgtgacgacg	120
catatgcgca	atcaactcag	ctttgatctt	tggatatatat	ttattgggat	tttctgtatc	180
tgtgccaccg	aggcacggag	gatcatggac	ccttcggaac	ctgtcgggtt	ccagccttgt	240
ttcggtttta	gggctcgcac	cactgacttc	ttgcagggtc	tcagcgtgtt	tgcaatatct	300
tttgagggtt	tctctgcata	g				321

<210> 5635
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 5635
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 aaaatcgtca tctgtgccat gatgatacga ggacgccatc gtggactgcc tgttcaactc 180
 gaccgcgcga tactgtcttc tggatgaacgc attgcccggag atgacggact tgatgagtct 240
 tttgctgcac gtcaatctca aacactgaac agtttttagac gctaccatac aaaatag 297

<210> 5636
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5636
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 gtgtcgaccg ccggtgcata tgatagatcg aaggccctata ccagagatat caccaacatc 120
 aatccaatat taattcagac tactcgcttg gagatgccat tcctcgatta tacttccata 180
 acgctcacta ttttgtatgg tagcgtctaa 210

<210> 5637
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 5637
 aagaaaggac tagaccgacc ccctgcgcag gggaatcagg gtgacccat cctggccaac 60
 caatggagag tgaaagacat actactcggc catcgccggc atcgacttgc cgttactgt 120
 tgccaccctc gcgcctcagc tagtctaggt acgggtgcgg ctaccttagg gacggacacc 180
 accaactggc agtggcctag ttgggcaaga gcacggagtt ga 222

<210> 5638
 <211> 2184
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2032), (2070), (2115)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5638
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 tggagtgcac gtaccaagtt cccaaggaag acctcaggaa aactgcggat ggtacacaat 180
 ttcatgccga taaacgcagc caccataaag atgaattatc cactacggag aatagagcca 240
 gtcatcgcaa atctctcgaa aaagcgatgg aaggtgttct tcaaagtaga tgcggctaata 300
 ggatattggg cagtaccgct ggccattgag cattcattca aaacaggggt caactcaatc 360
 ctgggccaat tctgttattt gcgtatggga caggggctta cgggagctcc agggacttac 420
 tctaaactaa aggatctagc aatgggagca atacctgaac catcgtccga agccgcactc 480
 acatcgcttc caggagtggg ttctgaatac tttatggacg atgacgctgc cgcaaccgag 540
 aatatgaaca atatggtttc cttcctacac cagcattact tccccgact agcttgggca 600
 ggattgaccc ttaatcctgc taagagcgtc ttcttactg acgagatcga aattcttggg 660

caccaatgta	cccataatgg	acttcggccg	tccataacga	aactcgaagc	gctccggggc	720
tggccggaac	caacaaatga	ggaagaattg	atgaggttta	tttatctgct	gccgttcttg	780
aaggtataca	tcccagggag	ggcggattac	acggccatcc	ttaagaaggc	tctcaaatat	840
acggggaagg	gcaagactaa	gcgacttgag	tcattcaa	ggggtgagga	acaacggaaa	900
gtgttccaga	tattgaagag	atatcttcta	gaggtgaagc	tctctggagg	agatcccaag	960
ttgcaatata	accttagcac	cgatgcttct	aatgggggcc	taggcggagt	actcttccag	1020
atgacagaac	atccagttgg	aaccaaatca	tgcgaaaaa	ctcatccata	cgaagtccca	1080
gtgatgtatc	tgtcctttgc	gctttcagac	cctgaaaccc	attacaccac	gacagaaaag	1140
gaagtactgg	cagtccttag	gggtttggag	gaaacaaggt	ggcttatatt	aggatcacc	1200
tatccagtta	ttgtctacac	cgatcatact	gcagttaagt	ctgttacggg	ggagcattcg	1260
gaagcaacag	gtcgattagc	tccgtggcat	taccgactgc	aggaatacca	agtcgactac	1320
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aaatcgacca	ccccaggaac	tgaagaggac	ggcttcccat	tgctttcgtt	cgcgaaacatg	1440
gaagattgtc	aaccacagcc	cagtataact	cccaaggaaa	cccatgaaga	attgtacctg	1500
ccatacctac	aggatacctg	gtataagcag	acagttgaag	aactcctaaa	aggaaggatt	1560
gacaagcgat	tcagcctgat	taatgtcgag	ggagaatatc	tcttggcata	tcacgaagct	1620
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cacgacgtgc	atggacattt	tgcggcgagg	atttccctag	ggcgagcaat	tggtcgatac	1740
tactggccgt	gccgtttacca	gaccttgggtg	ccagcttgca	ggagttgtcc	acaatgtcaa	1800
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caattgtttg	ctatggacta	tattggacca	atcacgccaa	catcccggat	gggagctagg	1920
tacatttttg	tgggagcgga	ttacttttca	aaatatgtgt	tcgcacacac	tgcaaccgca	1980
gccactacgc	aagtgtcagt	ccatttcctt	aaacatgatg	tgggaaaaca	cntttcgatt	2040
accgcaatac	cctgtacacc	gaacaacggn	aaggcacttt	accggagaag	ggatcaccca	2100
ctacttgaga	aattntgggg	ggtcaggcac	gtaaccggcc	cttgtacaag	ccccgtggtc	2160
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<210> 5639

<211> 1452

<212> DNA

<213> A.fumigatus

<400> 5639

tcaggcaatc	cctacgccgc	aaattacatt	acattaccat	acagccgagg	cctggggaaa	60
tcgaccccaa	agaaacggcc	gagattccca	tcgctcacat	ggggttctat	agccgtccat	120
ccttattttc	tctgttactt	cactctctcc	ttgaagtac	tattttcttt	ccctctcggtg	180
gagcgcaaca	tgtccgacat	caagcccaaa	tctccttcaa	tccctcaatg	gcagcaacct	240
gccgtgcca	ccacaaacac	cgggaactcc	acctccacac	catcgccctc	ctccgatgag	300
actccccgtt	cagagctcat	agagcaagcc	aaaaagttct	tacaggatga	ctccatacgc	360
gatgcgccga	ttgatcgcaa	gatagctttc	ctagagtcca	aaggccttcg	aagcgaggaa	420
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agcaagtcta	ccccggattc	taccacatca	tccaccagca	acgagtcgca	aagtcccaaa	540
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accgccacca	agaactccac	gccacgagat	gtcccaccca	tcataccta	tcccgaattt	660
ctcatgcagc	aatccaaacc	tccaccactg	gtaactctec	gcagcattct	ctacacactc	720
tacggtgctg	ccggtctagg	agcaagcctc	tacggcgcaa	gcgaatactt	tgtcaaacca	780
atgctcgcca	ccctcaccag	cgcccggtgc	gaactcgccc	aaaccgcca	cgccaacctg	840
cagaagctca	acgagaaact	cgaacagaa	gtctctcgga	tcccgcacca	tctctccgca	900
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tccgacccaa	ctgagctctt	ccaccgggat	gtcgcaaccc	agacctccca	ggatctggat	1020
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accgcaacag	tgaacacgca	tatcaagcgg	ctcgagaaca	tcacctcgca	tctccgcgaa	1140
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gaactacacc	attacctcga	tggcctgctc	tacggcagat	ccagctatag	ttctgtcact	1260
gcgtatgggg	tatacagcac	gcctggcctg	gagaccacat	ccggcccttc	ggtgggcatc	1320
agcaaaggcc	gagaagacgc	gatggccagt	ttccgcgctg	acattagagg	tgtcaagggc	1380

gccttgctga gtgcgaggaa cttccccgcc agccggggaa gaatcggctc aggaattctg 1440
tctggaaggt ga 1452

<210> 5640
<211> 285
<212> DNA
<213> A.fumigatus

<400> 5640
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gcgcccgtgt cgaactcgcc caaaccgcca acgccaacct gcagaagctc aacgagaaac 120
tcgaacagaa cgtctctcgg atcccgcgcc atctctccgc aaaggacaca aaacaaaccg 180
agcccgccga ctccgaagat gatgagcagg actccgtcac ctccggacca actgagctct 240
tccaccggga tgtcgcaacc cagacctccc aggatctgga tgtaa 285

<210> 5641
<211> 354
<212> DNA
<213> A.fumigatus

<400> 5641
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gattattacg cgattctcgg gattccccag tccgcggacc cggcttccat caagtcggca 120
tacaaaagat tggctctggg caagcatcca gatcgacgaa gaaatgagcc caaagcaaca 180
gctgaatttc aactagtaag cctgactccg agcttttctt ctctttttaga agcctgcgtc 240
gtcactgacg cggttatact cagctcaacg ctgcgtatga gcagctccga gatgtcgata 300
gacgtcgaga atatgaccga atatatgaat caacaatacg tcaccaaaaa ataa 354

<210> 5642
<211> 204
<212> DNA
<213> A.fumigatus

<400> 5642
ctcaagtctg gatccttcca gccgctcgtg gtgaagacgc agtgccgcag tgtgcagggg 60
attaaaggag gcaaaaggcg tgtagagctc cattatcaag tagcgccgcg ctttaaggaa 120
caagaagggt tgattgtaac ctatcatttc actgcccccc ttccctctatt ttatttgaaa 180
ttctacacca aggcagataa ttga 204

<210> 5643
<211> 261
<212> DNA
<213> A.fumigatus

<400> 5643
ggtgcagcgt tggggcgcggt tgctcctttt agcgccttcc agccggggcaa tttctgctc 60
cttgtgcttt caaaaaaccc ctgcgtgtta aacgtcgcaa aagggcgggt gtttaattca 120
accatttctc ctcccgaaa attaaaaccc ctcccaaat ctttcaacc cgggagcccc 180
cttcccctaa caaaaaagggt gcaaatccct ttctttttaa acccctttaa aaatttcccc 240
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<210> 5644
<211> 1050
<212> DNA
<213> A.fumigatus

<400> 5644

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ggagagaggg	gcgatcctgg	taagctcttg	agggaggaga	agatgaggaa	gaggatcgca	180
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gccaaacctc	ctccacgctc	caagacaccc	tccgctccac	cgtccgcgaa	ttcgaaagca	360
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ccatctaggg	ctggcgcgaa	gtcacctctg	aagatcccag	cccgggtgcc	cctgagtaac	540
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tcgttcatga	gctcctctgt	tttctcacag	cgatctaccg	gcttctctca	gtgctctcag	840
tcctcagcct	cgtcaatata	atccgttccg	aatttcccac	gaccaaacc	ttacctgcaa	900
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aacacagggg	ctgaaaactg	ggaaacattt	gatgatgggt	ccgagtcgga	agccgatggt	1020
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<210> 5645

<211> 531

<212> DNA

<213> A.fumigatus

<400> 5645

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ctctaccctc	ccgtctcgca	gctcatcaac	cgcgtcacgg	tccgccccgc	catgctcggg	180
aacgagatcc	ccattcctgc	aggcacgttt	gtcggctgga	atgcatacgg	agtgcacgtc	240
aaccggcgga	tctgggggtcc	cgacgcaaac	gaattcaagc	cggagcgtatg	gggcccggacg	300
gtgggtgaga	tgcattgcgcg	gtttcgccgg	gagacgggtgc	gcggcacgta	tatccctttc	360
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ctgtttgagg	tactgagacg	gatcgaatgg	acggtggacc	cgggctatcg	gttgaagatg	480
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<210> 5646

<211> 825

<212> DNA

<213> A.fumigatus

<400> 5646

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cttcattgcta	ttatgcacgg	cacggacccc	cagaccggca	aagccctcac	ggagagccag	180
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tactgcgaag	ccatcctgcg	tgagtgcgtg	cgtctgtcgg	ctaccgcgcc	aggcttcaac	420
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gaggaccccc	atgcgttcaa	gcccagagcgt	atggtcggcg	agaagtacga	caggcttcca	600
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gataaaaaatt	acaagacgga	agttggagga	gtcaattaca	acggagcgtt	cagcaccaag	780
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<210> 5647
 <211> 1275
 <212> DNA
 <213> A.fumigatus

<400> 5647
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 acctatcggt cgggtgctgga gatgtttctc cgacttggtc cggacgctgt gacctgctct 120
 ctctctctgcc cggatgaaat catccaatgg ttgaatacta caaagggaag catcaaaacg 180
 attgcaacat ggcatacaat gactccattg ggaatagatg tgtctcaaac cgcacacatc 240
 cccgtcgaga aagcaatcca atctgggttt gactgcattc gcataactgg cgagtcgttc 300
 tcaattgaag acaacctggc ctgcgttgcc ctctgtcaaa gactgatata gaactcaacc 360
 atcccagtta ttgcttataa cactggactg tccggtcgag catccatatt cctgaaccct 420
 actctgtcac cgggtgtccc ctcttccatg aacgccacag gcgtcaccct ctacagacga 480
 caaaaagccc tcacatcctg cttttctgacc accaagatgc gggtcacact ggtcggccaa 540
 gactagaac atactctctc ccccgcaatg cagctcgcag cgtacgcggc ctgcgggctg 600
 ccacatagct acgaagctgt gcaagcagcg acgctctccg aaatacgcac gctcctcgag 660
 gacggtagcc gcagcggcgt agcgatctcc atcccttaca aaaccgcccgt cctaccactg 720
 ttggacgaga tcagtcggga tgcccgggaa atcaatgccg tcaacaccgt agttctcaag 780
 cggcaccgtc acgatggaca agtggtcacc acgcgaaaag ggtataatac tgactacatc 840
 ggagttagga attgcatcca ccagcatctt tctccagcaa acgccatccg ggatggaaca 900
 accgttttga ttattggggc gggcggcatg gcacgcgcgg ctatctatgc ctgctacaag 960
 atgggtgtcc ggcaattttg catttataac cgtacacttg agaacgctag gaagctagca 1020
 gagtatttcc atcgttggat tcacagctct ggcaccaatc ttgagtttga agtcattgaa 1080
 tcgatagaaa cgcagtgcca tacacgcttc cgcctaccga ctatagtcac ttcttgccctc 1140
 cctggtcagc aggtgggatg tggggagatg gttgatgtcc gaatatccga acggtggctg 1200
 cagagtacca ctggaggggt attcctcgag gtatggcttt ttcttgcctt ttgggcgctt 1260
 gtcggattttg gctga 1275

<210> 5648
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 5648
 agagtgtata cgagactaaa gtcaagcaag acattcccct cgaccctgac cactacatata 60
 ctctttgttag gtaccatttc cttgcagacg tgggtattcg ttctaactgt ctgcagcggc 120
 ggaccaaagc atgaacgaaa cggccacaca agaggacatt gctcgtttga tacaatcgat 180
 ccggttacga gatga 195

<210> 5649
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 5649
 ccccttcca tagacatgtc tctgcataca tcctaccatg cggactccga cgcggatgat 60
 gagtacgaac ggagtgtgat tacctcccct catctagcga ccgattctga ggcttctccc 120
 tccgactccg aattcccttc agccgaacac actcctagga catttgcaaa tcccaggaa 180
 gatcctcgat cgccgaagac tatcattaca gagtggaccg ctgaggagtg cgcaaactgg 240
 cttgctgccc ttggtctccg tcagtactgc gcaacttttc ttggtacgtt ggccgcctaa 300

<210> 5650
 <211> 342
 <212> DNA

<213> A.fumigatus

<400> 5650

agttcacttc	tattaactgt	caaagaaccc	aagtctcgat	gtcggatcgg	cgtaaaccgc	60
tcactcgcgc	tcacttacat	ccagcgaaaa	gaattgcgca	gagcgtgac	tccatttcct	120
tttcaccgtt	cattaggctg	cattacctgc	aaggcaaaga	gactaaaatg	tgacgagtcg	180
aagccgacct	gtctccaatg	caggaagcgc	aacgtggagt	gtggaggcta	caaaaaagac	240
tttaaattggc	gtccattcga	agaaaccaac	gtgatcagca	ggattttctc	tattcaagcc	300
aggaagagta	agtgtacagg	tcttcaaggc	ctgcatttgt	ag		342

<210> 5651

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 5651

aatctctcag	gtgatccagc	cagatcaggc	aaagaaagga	gggccagtca	ttcagtgcag	60
gcgggcaagg	atcgtcagcc	ttggccggtt	agccctcgat	cgccacaccc	gacagcatcc	120
tctctggatt	cgaatgatgc	tgcactcatt	catacactcc	agtcaggcat	ttcgccttcc	180
actgactcac	cacttgcatt	gaccaggaa	aacctcacat	cctggaacag	tggcatagct	240
cggtttctgg	atttcagtaa	tcgagaggat	gaactcctca	cgccattatt	cacaaatagt	300
tcgccgcggg	aacaatctcc	acagctctcc	gatattgtac	cctccgctct	ggatatccat	360
acgagcccaa	tgccgaggcc	actggggatg	gcatcacaga	acactcttcg	accgggcaac	420
ttgagctttg	cagcactcct	tgaagaggac	aatgataaaa	tcgaagaaat	tgcccgcag	480
tctgacaagc	ctattgatcc	gtggctggta	ggagtttcag	atggcggggc	gccgtccgag	540
acatcgaata	cccctgctat	gctaaccaag	gagcccaatt	tcgatattgc	cagtcccga	600
atgttagcac	tcagtttga	caggttcact	tcggggatct	tgtctgtcaa	ggatgggtta	660
aacgaaaacc	cttggaggac	tctgatatgg	cctctcgccg	gagagactcc	agccttgtac	720
catgcgatat	tctctatgac	ggctttccat	tcaagcaagg	acaatccggg	tctgagaatg	780
cacggcggtg	atcatatgag	aagaagcatt	acttacatgg	tccaagatat	acagaacatg	840
cggacagatg	ctgccttagc	tacgagcttg	gcgctggcat	tcgcagacac	atgggaccag	900
aacaccagga	actgtatcca	gcatgtacgt	ggggccaagg	cactcgtatt	gcaggtcctg	960
aagtccaagg	ctcgggatgc	aaacgacatc	gagcgaatcc	ggtttctata	caacacctgg	1020
ttgtatatgg	acgcaatcgc	acgcttaacc	tctcgagacg	acgatggaga	tcaggatatg	1080
aacttctcca	tcttcagct	gccccgggat	gcagttcatg	agattgacct	tttgatgggc	1140
tcgccacta	cactctttcc	actcatcaac	caggtcgcc			1179

<210> 5652

<211> 249

<212> DNA

<213> A.fumigatus

<400> 5652

attatcaaga	tgaagtacag	cggtacctgg	catggactac	ctgcaagtaa	gctatatgga	60
gagggtgaagg	atgttggact	ccttacctta	cctataggta	ttgtagttac	tgaggcattg	120
gcgcctgggt	cacacacaat	catgcctgga	attgtttgtg	ctattccctg	cgaccataag	180
gtatgcgtta	agctatatgg	cagtcctatg	actccatata	gcaaggtagc	aaggcaccta	240
cctacctag						249

<210> 5653

<211> 351

<212> DNA

<213> A.fumigatus

<400> 5653

cactcttctc	atgacaaagc	acaccggaca	ttgatcacac	ggaaactcaa	gggtctcgag	60
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gatatcatct cgtttacatc agttcactgg catttgggcg aaaatggtat ggtttcagaa 120
ttgagggctc tagagaacga agctaagtgc ttctgctgga aaggctggcg atttgcaaca 180
gccgacgaag aggttgcagg agagaatgac accccagacc cgttgcatcc tgatttcacg 240
catctgcgcg ctatatactt ctccaatgat ccggattata ctgggagatt taccgtccca 300
gtgctgttcg ataaaaagac gcaacggatc gtgagtaatg aagtatgttg a 351

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<210> 5654

<211> 588

<212> DNA

<213> A.fumigatus

<400> 5654

```

acatttaaac agagctctga gatcattcgc atgttctact acgaattcga tgatcttctt 60
ccggaaaaat acaggaacgt cgacctgtac cctcccgcgc tccgaagcga gatcgacgcc 120
accaacgact ggacctacaa cgacgtcaac aatggggctc acaagtccgg ttctgcgacg 180
acccaagaag catacgagaa ggctgtgaca accctcttcg cctccctcga caggatcgaa 240
gcccattctc caaaggacgc caactccccg tacttcttcg gtcattctat caccgaggtc 300
gatattccgac ttttcacgac tattatccgc tttagccccg tctacgtgca gcacttcaag 360
tgcaacatcc gtgatattcg ctccggatac ccggccattc atcgctgggt gcgtcgcctt 420
tactgggatg ttcctgcgtt ccgggagacg acgaattttg agcacattaa gaaacactat 480
accaagagtc ataagcagat caatcagttt gctattactc ctgtcgggcc ggtcccagat 540
attcttctta aagacgaaca agtgagagcc gttgctgcac aacagtaa 588

```

<210> 5655

<211> 267

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (5), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (19), (20), (35)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5655

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ctgannnnnn nnnnnttgnn atcctacacc accantgcag gcaaaattac cgattgggta 60
gaccccaaag acaagtctgg tgaattcaag cggcagcaat cggttttccg caacttcac 120
tccagggagc ctggcgctca attccctccg gagaaagatc gctatcatct ttatgtctca 180
tatgcctgtc ctgggggtgc gcgttctctt gaagactcct ttgattgctc aaactcaaga 240
cacatacggc taacactctt ctcatga 267

```

<210> 5656

<211> 750

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (26)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5656

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actattttat acaaccaatt ctttnttctg tccgacagac acacaaagga cccctcggt 60
ggttgcgggt tattgacccc gcaaaccacc tctcggcgac aagcccgcgc caagatgccg 120
ctgcgcaata tccttcacaa gaaggacaag atcaacgact caggcagtcg gtatccgccg 180
gatggaccct caaatgctgt tcccgagatt aaattcattc ggtccgatac aatttcgcat 240
gaggttattg acccatcgag ctttggcggt gacgtcagtg agcacaaggc cgatcatggt 300

```

```

caatcagatc tctagaacc gtccgcacca tcttctcga cacatcgaag atcattgaac 360
atattcagtc gctcgaggtc cccgtctgag tcttcagaac cagcttcgcc gagtgcaccg 420
cgcgggggaac accggctatc gcaattgctg catcgcgac ggggctcacg gagtgcacg 480
tcgagctcag tcaatatccc gtccgatctt ccacagatct cggacgataa agtcgacgag 540
caagaaaggg aagcacaatg ggagaagcgc gcgacgattc tggcgcaaca aagcccgctt 600
tttggatcgc cggcagcatc gcttcgttct tcgccgaata ggcttgagac gaatagtgcc 660
ggaggagcgc ggtcaaggag ttccagtcac agtcagatca atgatccaga aggcgacgta 720
agtctctgtg cttggttgaa agccatttag
750

```

```

<210> 5657
<211> 426
<212> DNA
<213> A.fumigatus

```

```

<400> 5657
tatggagggt ttacaaaggt ctacttgttt tctctgtttt tgaagtgtct gactttgaat 60
cgctctccta gacatggttg gggctgccct caagatcccg acaaggccgt gacatatctc 120
tcgtacgcag cggcgaattc cgcacataa gagtctcaag cactccaggc aggtatgaaa 180
aagggaggcg ctgccaaagg agagcttgta ctagccattt tcgaactggg aaattgctat 240
cggaatggct ggggcgtcaa aaaagaccgc gtagctgccc gacagtactt tgagacagcg 300
gccaacctag gcgatacaga tgcgatgaac gaagtgcac ggtgctatct tgaaggcttt 360
gggggcaaaa aggacaaggt acgctattat ttgactccca actgcccgtc cgggagagct 420
cggtga
426

```

```

<210> 5658
<211> 585
<212> DNA
<213> A.fumigatus

```

```

<220>
<221> unsure
<222> (501), (562)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 5658
actttagtat gggaggaaca tggtagctcc agttcgacat cctctcttcg cgttcgtcga 60
aaaccatata tgttgatgag gtgctcctcg gcttcgtcct catcttctct ctcgtccgaa 120
gaatcaagtt ccatgtcgaa gcctccttca tcctcgctct cctcttcggt ctcgtcctct 180
tcttcatctt cgccttcgtc ttctgttgcc acatcggagc catcctcact cacaaccgct 240
gcatcacctg gctcaatgga gtccccatct tcaacgcccg acctgccgtt agtggggctc 300
gtccgcccgt ctctcgcggt ggaggttcgt gagtctccat tcaaagaggt acccaaagtc 360
acaaggtgca cgtcttggat tggctcctcc tcaacgctgc cgtcaatata ctcttgtaat 420
ctctcttgcg gaaacgcact gtccgagtta tcttcgattt ccgtgcgtag cccacaaaaa 480
gcccggttta caaaggcata nttgactccc gtaaccgtct ccatcaagat gcctcgacct 540
accctgaaga accagaacct anttgccgaa agcccgggtca agaga
585

```

```

<210> 5659
<211> 930
<212> DNA
<213> A.fumigatus

```

```

<220>
<221> unsure
<222> (23), (84)
<223> Identity of nucleotide sequences at the above locations are unknown.

```

<400> 5659

ctcttgaccg	ggcttttcggc	aantaggttc	tggttcttca	gggtaggtcg	aggcatcttg	60
atggagacgg	ttacgggagt	caantatgcc	tttgtaaacc	gggcttttgg	tgggctacgc	120
acggaaatcg	aagataactc	ggacagtgcg	tttccgcaag	agagattaca	agaggatatt	180
gacggcagcg	ttgaggagga	gccaatccaa	gacgtgcacc	ttgtgacttt	gggtacctct	240
ttgaatggag	actcacgaac	ctccaacgcg	agagaacggc	ggacgagccc	cactaacggc	300
aggtcggggc	ttgaagatgg	ggactccatt	gagcacggtg	atgcagcggg	tgtgagtggg	360
gatggctccg	atgtggcaac	agaagacgaa	ggcgaagatg	aagaagagga	cgagaacgaa	420
gaggaggacg	aggatgaagg	aggcttcgac	atggaacttg	attcttcgga	cgaggaggaa	480
gatgaggacg	aagccgagga	gcacctcatc	aacagatatg	gttttcgacg	aacgcgaaga	540
gaggatgtcg	aactggacgt	accatgttcc	tcccatacta	aagtctatcg	ggggcattgc	600
aatatcaaaa	cgggtcaaaga	cgtcaattac	tttgggctga	atgatgagta	cgtcgtaagc	660
ggcagtgact	cgggccatat	attcatctgg	gatcggaaaa	caacgaacct	ggtcaacata	720
ctcgaggcag	atagcgaggt	tgtcaacggt	gtgcaaggta	tgtccattct	gaccacatat	780
acgacattag	ctcatacttg	tttcttaagg	acaccggtac	gaaccgacca	tcgccgcttc	840
tgggatcgac	aacaccatca	agatcttctc	acccgatcgc	catgcacagg	acaatgcacg	900
ccgtggtatc	aacatcctag	accccgataa				930

<210> 5660

<211> 348

<212> DNA

<213> A.fumigatus

<400> 5660

ggacaccgct	acgaaccgac	catcgccgct	tctgggatcg	acaacacccat	caagatcttc	60
tcacccgatc	gccatgcaca	ggacaatgca	cgccgtggta	tcaacatcct	agaccccgat	120
aaccagcta	atacgcttgg	ttcaaatggt	gccagtattg	gcggcctcaa	aagttgcaaa	180
cgcattccatg	atagctaccg	gatcatgagc	cagaacgacg	tcgatcgtca	aggaggcatg	240
agtgaggcgt	acatcacggt	aagtcatggg	ctccttcggt	cttgggattt	tatccttcct	300
tcatattctg	actccggaat	cttcagagga	gtatgctggc	tcggtttag		348

<210> 5661

<211> 222

<212> DNA

<213> A.fumigatus

<400> 5661

ccaacatctc	tgtctagttt	caattctacg	tactacggca	aggactaccg	cgccggtgcg	60
gctctccttc	gcgctcgtcg	tccgtatctt	ttcaagaatg	ctcttactgg	actcggctctc	120
gtcgctttca	caatcagtgt	ctgtatgtgc	tccacaggga	cccctccttc	ttcatgtttc	180
agagatgaaa	gcacggcgag	aagcatgggt	cgctcatact	ga		222

<210> 5662

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5662

agacctaggt	ataaaatgtc	ttattacaat	ttcaactctc	tcttcccgtc	gggccaagct	60
gtcgaccgcg	tccgtgggtc	aaaacttccc	acagaaggcc	ctcagctctc	tacactcgaa	120
gaagctttca	cgagcgagaa	ctggatcatt	cgtatctaca	aggtcaagga	tcttgacaac	180
cttggccgag	accacaacca	ggctgttgcc	ttcgacaaag	gtctcaagaa	aaagcggagt	240
acaaagagga	agggacctcg	ggttctcagg	accgaatag			279

<210> 5663

<211> 204

<212> DNA
<213> A.fumigatus

<400> 5663
actagcagtg ggagaggttc ctgcgagcac ccatacaaag agctctcggg tcggccaaac 60
tcggcatccg ctgacggaca tccaagaaaa gcgccaatcc tcgtcatctc tggtatctac 120
tactacttct attctattag cgtcatcacc atcgtcttcg tcttcttcaa gacatcatat 180
ccgattcaat taaacgcaa atag 204

<210> 5664
<211> 1176
<212> DNA
<213> A.fumigatus

<400> 5664
cactatctcc ctgtagttta tccctgcgag tatgacacag gtctgtccaa gcctgcgcct 60
tcggggcgat acgttcttcg attttatttc aatggatgct tcaggaagggt ggtcatcgat 120
gaccgcttgc catcgtcgaa aacctcaagg tcactttacg ttgttgatag aaataacccc 180
aattttctgt ggccggcgct tgtggaaaag gcgtacctaa agctaagagg aggctatgac 240
tttcccggga gcaattcggg aacagacctg tgggtactga caggttggat acctgaacaa 300
gtcttcctac atcatgagga tgtgaccagc gatcaaattt ggccggcgtct ctttagatcc 360
tttcaatatg gcgatgtctt attgactatc ggcaactgga aattaaccga gaaagaagag 420
gaagaactgg gcttggtcag tgagcatgac tatgcggtcc ttgatatgaa agagttcaat 480
ggccgctcggc aaatgttagt gaagaaccca tgggctggag tccacacggc tagtggaagg 540
acggagaatt cctcagagtc acacgcgcca catgatcgat cgtcactttc tcctgggacg 600
ttttggatgg actgcgaaat ggtcttccag aactttgaaa acctctacct gaattggaac 660
cccagcctct tcaaataccg ccaagatata cattttacat gggacctcac ggccggaaag 720
ggggttccgg gctgctttgt gaagaatccc cagtttgagc taacctctga aacgggagggt 780
actgtctggc tgctcctcgg caagcatttc aaaacgcgtg atcgactcga ctattcttca 840
tctgaggact cccaggtcgg gtttatttagc atttacgtat tcaatgcgga tggtaagcgg 900
gtttgtctta gtgatggtgc gcttcaccca ggtccctacg tcgactcacc caacaccctg 960
atgagactgg aaatgcttcc gagaacaact tatacggcag ttgtctctga agagtcgctg 1020
cctgctttga gtcagaattt cacactatcc gctctctcaa tctcccctgt gcatatcgcg 1080
ccgtcacaga atcaatatac ctgtgggaat aaagtccagg gtttctggat gccctcgacg 1140
gctggcggca atgcagaatc agctcgatac ccctaa 1176

<210> 5665
<211> 306
<212> DNA
<213> A.fumigatus

<400> 5665
aataaaatcg aagaacgtat cgccccgaag gcgcaggctt gggacgacct gtgtcatact 60
cgcagggata aactacaggg agatagtgtc actttcatgt cagagtttga cacgattcat 120
caacagtcgg agtgggtttac cttgtcaagg ccacgttccg atcgcgagggt tgtagcgcag 180
aggctggcga caacggagca gtctgtcaag acatcttgca caagatcgggt tttctctggt 240
acggacatca tcaatgtgtc cccgccggcg tgcgccaaca gctctgaagg ccgcttccaa 300
ccatca 306

<210> 5666
<211> 267
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (3), (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5666

gangacataa	tggtgttggt	tgtcgattat	gaccatgatg	cgttccccag	agcccatgag	60
ggcacctatc	aggcgtatct	tcagccggat	aagcctgcgt	tgtcgaagtt	gaaggctgtn	120
gactctgata	tgccaactca	tcatgaaaat	gatcattcga	tgacagatca	tgcaaagaat	180
gacggctctc	ataagatagt	gaatcgtaat	ggatttttcag	ctgctttgaa	ttgctatccg	240
tatgccttgc	tgattgacag	tttctga				267

<210> 5667

<211> 942

<212> DNA

<213> A.fumigatus

<400> 5667

ccccgcggga	tggttgacgc	ccaaagaaaag	caatctcaca	ttcaacgcgt	tgaaggcatt	60
cctttcgcctc	gtctggctaa	ggccgatttt	ggacagttca	tacagacatc	gctgagctcc	120
acacaatcgg	accaggaaaag	actcatctgg	cagctggcca	acatcttggt	caacgatgag	180
atcgaagatg	atatctctgc	tggggtgccc	cctcaactcc	gctccaagtg	cctccaacgc	240
atcaagaaaag	accgactcag	ccgcctatgg	gagagcattg	tgcgcgagag	acacgctcat	300
gacctggata	agattgaatc	ttctgaggaa	cgagctgtcc	acctattgtg	ttctcaccga	360
gtcgaagagg	cgtgcaaagt	cctgattgcg	ggccaaaatc	ttcatctggc	tacattgggtc	420
tcgcaaatacg	gtcgagatgc	tacaaccaga	tcagacatgg	cgagacagat	tgagatgtgg	480
cgccagcaca	acgtctatct	cgagatgacc	gaaccgatcc	gagctctgta	cgagcttctc	540
gctggcaact	ccctccgcag	tgagggcaag	tccgggtggcg	ccttggagga	tcgtgcatct	600
acattttcct	tactgagcgc	attcgagctg	gactgggtcc	aagcatttgg	tcttcgtttg	660
tggtatggta	ttgccgatga	cgagcctatc	gaaaaggccg	ttctgaaatt	cgccaaagaa	720
ttgagcagcg	gggacgaatc	tgcgtttcct	taccctgcat	ctcacctgga	gggagatggt	780
atgtcgcgtg	ccgcctcggg	caactctgggt	cggggaatctc	ctctctgggt	cctattaaag	840
gtctactcgg	gtactactgc	tgtcgccaag	agttctgatt	tgccagcaat	tgaactcccc	900
gctgccctgc	ttcctgagtc	tgtcacgggt	gacaaactct	ct		942

<210> 5668

<211> 675

<212> DNA

<213> A.fumigatus

<400> 5668

agaaacactg	tggtctcgga	gccaacctcc	acctacacaa	ctgacgactc	ctttgttgga	60
tctgtggccg	gggtcgagga	cgacactttc	gattttcaaga	agcgcaagat	ggttccgggg	120
gcgtttggta	atcaagtaat	ggaaacaatc	ggagacaagg	acgaggatga	gtctttttta	180
ggggacggct	ccacgggttc	aactactgag	caggatggcg	acgatgtcac	cgagagccag	240
cagtctggcg	attcagatgt	tgaattcgat	gaagggtgag	aaatggatat	ggcgggcacc	300
tttcccaacc	ttgatcatac	cgtggagcac	gacgatgcca	acagtctgga	cagctacctt	360
gacaataccc	acccctcggt	gaggccttgg	gaaactccct	caaaggcgcg	tctgaacctt	420
agtggcgact	gggcccgaaca	gctgcagcgg	acaattagtc	caaggaagca	aaaccgggat	480
gcactacgcg	aaatacaagc	aaatgccttt	acagaccgac	ctcttcacga	cgacacgccc	540
aagaaatctg	ttaccgacta	ccgacagaaa	ggattttgcca	ccagcatcga	tctgatgaac	600
tctttgttcc	atcagccgcg	taagccgcag	gggcaatctc	ctctcaaggc	gcagccgaaa	660
tgttttgagg	tttga					675

<210> 5669

<211> 186

<212> DNA

<213> A.fumigatus

<400> 5669

atatatgcac	tagacaatag	acttttattt	tcgcctgctg	gtattactta	tcgccacaat	60
ttctacaagg	actataaacc	ccttgtatac	tgtatagtag	agttaccgag	tatccctggg	120
agggatatct	atattagtag	tatagtgtta	gttgatatta	ttactctgta	cttattcaat	180
atgtag						186

<210> 5670

<211> 330

<212> DNA

<213> A.fumigatus

<400> 5670

tatcagacta	ctgacgcca	ctccagcgcc	aaggctcttca	aggagaaggt	ccaagagggc	60
tcggggcccag	tcattgttga	ctgctccgcy	acatgggtgtg	gcccttgcaa	gggtatctct	120
ccggtcttcc	agcgccctcag	cacctctgaa	gagttcaaga	acgctaagtt	ttacgagatc	180
gacgttgacg	aactctctga	ggttgctgct	gagctgggtg	tcggtgctat	gcccactttc	240
atgttcttca	aggacggcca	gaaggttaac	gaagttgttg	gtgccaaccc	tccggccctt	300
gaggctgcta	tcaaagcgca	cgttgcttag				330

<210> 5671

<211> 417

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (399)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5671

gactatgagc	tagctgcggc	cggcgcagca	gatacactat	cgtgggcagc	aggagcagga	60
gcagcggcag	aggggtgcctc	gacggcaggt	tgcgtggagc	cctccttctc	aaagctccgc	120
atgggatata	atccccagcg	ctctttcatc	tcgcggtcct	cgtccctgcc	gttgctatcc	180
gtcgtctact	tcttctcccc	ggtgaagacg	gcattggcac	cggccatgaa	tcattgcgacc	240
tgttgttcat	cogatagcga	gatgcggccg	gcgccgatgc	ggacgatggt	ggccggcatg	300
aagataccag	cgggtggcaat	ggtgcgcaca	catatgttca	aagggaatat	cttgcgggtc	360
gcgaacgggg	tggccctgat	gggaacgaag	gctttgacng	ggaactcaat	ccgggtg	417

<210> 5672

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5672

ttcaccggga	ttgagttccc	ngtcaaagcc	ttcgttccca	tcagggccac	cccgttcgcy	60
accgcgaaga	tattcccttt	gaacatatgt	gtgcgcacca	ttgccaccgc	tggtatcttc	120
atgccggcca	ccatcgctccg	catcgccgcy	ggccgcatct	cgctatcgga	tgaacaacag	180
gtcgcatga						189

<210> 5673

<211> 183
 <212> DNA
 <213> A.fumigatus

<400> 5673
 acgacggata gcaacggcag ggacgaggac cgcgagatga aagagcgctg gggattatat 60
 cccatgcgga gctttgagaa ggagggctcc acgcaacctg ccgtcgaggc accctctgcc 120
 gctgctcctg ctctgctgc ccacgatagt gtatctgctg cgccggccgc agctagctca 180
 tag 183

<210> 5674
 <211> 399
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (291)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5674
 gtaccaatgt ttctaggaac tgaaacggga attctcaaaa tggctctacag tcagctatgc 60
 catctccatc ttggggattt tgggctcggg tccagcaacc tttggagctc ctctggctgc 120
 aggaggacca gctactgcgg tctggtgttg gtttctgggc tcatgcatgg ccatgtgcat 180
 aggcagtctg gtagcggagc tggctctctg gtatcctacc gcaggaggaa tgtacttcgt 240
 tacaaagcac gttgttccaa tgaccagggtg cccatctttt cctgggtgca nggctggctgc 300
 aatctcttgg ggcagactgc gggcgtttcc agcgtggctt acacagtcag ccagatgctg 360
 cttgcgtgcg ccagtatgaa ctctgagtac ttctactaa 399

<210> 5675
 <211> 363
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (275)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5675
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 attttgggct cggttccagc aacctttgga gctcctctgg ctgcaggagg accagctact 120
 gcggtctggg gttggtttct gggctcatgc atggccatgt gcataggcag ttcggttagcg 180
 gagctgggtc ctgcgtatcc taccgcagga ggaatgtact tcgttacaaa gcacgttggt 240
 ccaatgacca ggtgcccac ttttcctggg tgcanggctg gtgcaatctc ttggggcaga 300
 ctgcgggcgt ttccagcgtg gcttacacag tcagccagat gctgcttgcg tgcgccagta 360
 tga 363

<210> 5676
 <211> 1161
 <212> DNA
 <213> A.fumigatus

<400> 5676
 agcagcatgg cagatccatc aacgtattac tctgtcgccc agggacctgc gcctcctgaa 60
 gacccctccg atcccaatcg gatggccac caagttaccc ctccgtctca tcctcctgcc 120

```

ggctatggcc ctggagcggg tcctcctcaa ccaggagctc cctacggggc agcagctccg 180
aatcaatggc ccccttacgg ctcgccattt cctttacagc aacaaccgca gcaacccccg 240
caactggcct cccctcctcc gttcggctac aatgcaggcc cgcaggccgg gatggtagct 300
cccacagaac caggtttggg agggctgaca catcaaattg gtggattggg aatctcagga 360
gaaggagggg ctcggaacaa caagaagaag catcgacatg cacaccatga tattggcgga 420
gcttctgcca ctgctccggc acaacagccg tttgctggaa tggctcaggg aggtgtacag 480
ccaacatcgc agttcctgaa tacgggactt accgactctt cgcgtcctat ttcgccagggt 540
gctggtgttg ctacgcccgc cggcgtaggg tttggagctg gagcgagttc tggagctggc 600
tcagttgcaa ctacgggcaa gattgaccgc gaacagattc caagcatccc tcggtcgcgc 660
gacctgcctg cacagtacta tttcaaccac gtctatccga ctatggaacg gcatcttctc 720
cccccggtg ccattccctt tgtggccac gaccaaggca attcgtcgcc gaagtatgct 780
cgacttacgc taaataatat tccatctaca gctgactttc tgcctctac cggcttgct 840
ctcgggatga tcctgcagcc gctggccgca ctggatccgg gtgagcagcc gattcccgtt 900
ttggattttg gagacgctgg gcctccgcca tgccgaagat gcagggcata catcaatccg 960
ttcatgacgt tcaggtccgg agggaaacaag ttctgtctgca atatgtgcac gttccccaac 1020
gacgtccctc cagagtactt tgccccgctc gatccgtccg gacgcgctgt ggaccgcatg 1080
caacgtccgg aactgatgat gggtagagtc gagttcttgg ttccgtcttc accacggggc 1140
tggaaggagc cgcgccatgt c 1161

```

<210> 5677

<211> 348

<212> DNA

<213> A.fumigatus

<400> 5677

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tcagtcattg tcccttctct cctctcagtc ccacggatgc cgcgttatga agcagcatgg 60
cagatccatc aacgtattac tctgtcgccc agggacctgc gcctcctgaa gacccctccg 120
atcccaatcg gatggccac caagttaccc ctccgtctca tcctcctgcc ggctatggcc 180
ctggagcggg tcctcctcaa ccaggagctc cctacggggc agcagctccg aatcaatggc 240
ccccttacgg ctcgccattt cctttacagc aacaaccgca gcaacccccg caactggcct 300
cccctcctcc gttcggctac aatgcaggcc cgcaggccgg gatggtag 348

```

<210> 5678

<211> 396

<212> DNA

<213> A.fumigatus

<400> 5678

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tgggtacacc ttctgcagc gctggttgcg gtcttccca aagacaagct gaagatcaat 60
ggccctatca agagcttcgc taagaacgga agctctggaa aggtgttca tcgtatgttc 120
tgctcggaat gtggttcgcc aattgcccac gaccgggacg ctgcccaga gatcatcgcc 180
atcaaggctg ggaccctgga catagagatc aagaagaacc taaagccggt gcgtgcatta 240
agaaggcggg ctatcggtt aaatatgcta actacatacg tccctggtag gatacggaaa 300
tctggaccgt tagcaagctt cctttctgcc aggagcatct ggccaagcct ttcgagcaca 360
tgccccagta gatgggacga aaaaacgaat ctttga 396

```

<210> 5679

<211> 519

<212> DNA

<213> A.fumigatus

<400> 5679

```

caaagtgaac catacagaag gaccacatca cccctgcctc ttatgttagt cggactttcg 60
gcgtgtctag catacgttcc agagagtatt cctgcacaa ccaaaccgca tctttaccaa 120
agcaacagca atgtgctcga ccgcgcaatc attcgaaccg ttgcagccta cgcggttggt 180
ttcgggctgg taaactgcc aagaagaggg atcccgtttg cacaaccctc tcgccacacg 240

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tcttacctag	agaacttggt	ccatctggcg	ggcctggtag	atcaaactac	tggacgcca	300
gatccaacaa	agctgtcatg	tttccagcgc	tttgccatgc	tcaacgcgga	ccatggcatg	360
gctctttctg	ttttttcagc	actagtcaca	gcatcatctc	tcaccgaccc	tatatcgtgt	420
ctgataacag	caacaggggc	agcatttggc	ccactgcatt	tcggtgctac	cgagtcagcc	480
aaccttgctc	tcaccacggg	gctgcaagga	gtgcatctg			519

<210> 5680

<211> 576

<212> DNA

<213> A.fumigatus

<400> 5680

gccggtatgg	cgcgcggagc	tcccgtacaa	ggatcatgcag	gtggtaagaa	gaagcgagca	60
tatgctgggg	aagcctttga	aattggatct	ggatgccaatg	ctgctcttgg	gggacaactc	120
cctgctgggtg	gcagttacgg	tgcataatcc	cctcagccgc	aggctgcggg	atatcaacaa	180
cctgtatatg	gggcggtacc	aagccagatg	aatgcagcag	ctccggggta	tactgcccct	240
gttactcctg	gaatcgacac	gatgacccag	caattcggcg	cgatgggcgt	gaccgacccc	300
cacctaatgc	caccgcagcc	tccgcaggcc	gctgtggccc	cccaggctcc	acgtcccgtt	360
cccctcaacc	agctctatcc	tacagacctt	ctcactcaac	ctttcaatgt	cgcgagagctt	420
gactaccctc	caccgcccag	cggttcttcg	ccagggtgtat	gtcactcgca	tggtccgggtc	480
caagaagtga	aattgctgac	cgcttcgttt	tctagacaag	cgtttaccac	tcccctacag	540
cgaattgccc	tccgaaatat	gttcgggtcga	ccttga			576

<210> 5681

<211> 1023

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1013), (1019)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5681

acaagcggtt	acccatcccc	tacagcgaat	tgcctctcga	aatatgttcg	gtcgaccttg	60
aatgcccgtg	cgacaacgca	ttctctcctc	aagaaatcta	agctgccgtt	tgcctctgtc	120
attcagccat	acgcctccct	gcgtgatgcg	gaagaaccga	ttccagttat	tccagaccag	180
gtgatctcgc	gggtgctgacg	ctgcgcgtct	tacatcaatc	catttctgac	atttctggac	240
catggccatc	gctggcgctg	caatatgtgc	aacctgacaa	atgatgtgcc	acaggcggtt	300
gattgggatg	ctgctttgca	gaagcctgcg	gaccgctccc	tgcgacctga	tctcaaccac	360
gcggtagtcg	aattcggtgc	tccccaaagag	tacatgggtc	gccctcctca	gccgctcgtg	420
tatcttttcc	tgatcgacgt	gagttatgcg	tccgttacaa	atggctctct	ggcaactagc	480
gcaaggtgca	tcaaagaaag	ccttgacagg	atccccaacg	cagaccgtcg	gactcgattg	540
ggtttcattg	cagtcgactc	tagccttcac	tacttcagta	ttcccaggga	cggctcggag	600
aattctgatc	caagaatgct	tgttatcagc	gatctggatg	agcctttcct	ccctattccg	660
ggcgaccttc	tggtgactct	gagtgaatgc	cgcgagaaca	ttgagacctt	ccttgacaaa	720
ttacaggaaa	tgttccaaaa	cactcagaat	aatgggtgcg	ccatgggatc	ggctctgcgg	780
gctggctaca	agttgattgc	accggtggga	gggaagatga	ccgtgttgag	ctcgtctttg	840
cccaatgtcg	gacatggctc	cctgaccatg	agagaggata	agaaagtcc	cgggacgagt	900
aaagagagca	ttcttctaca	gacggcgaac	agcttctaca	agagcttcgc	tgctcagatgc	960
tccaaggcac	agatcgtctt	caccacaggg	ggtctaagga	accggccaag	atntaccenc	1020
act						1023

<210> 5682

<211> 567

<212> DNA

<213> A.fumigatus

<400> 5682

agcatcgaca	gcatcatagc	caacctgggc	aaactctccg	gcgaggagcaa	cgtcaacctg	60
ggctggatta	tgggccgacc	catcgctgcc	tccgtcgcca	tggccgtcct	cacccatta	120
ctcaciaaagt	acgtttttgc	gaggatcttc	cgacgggtata	tcgagcacgc	ctttgcgcag	180
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tacatcccca	gcaagcatcc	ctctggtccg	tttgtggtta	tgagtcgtga	ggagggggaa	360
cgcgaaagcgc	ataagagtcc	cacatttgtc	catacctttg	aggtgtacct	gctggacgtg	420
cagtcctatc	tgatggagcc	actattcttt	gctagcatcg	ggttcgccat	tccatttgtg	480
cagctctgga	cggggacaag	gatttggagg	ggagtggctc	tttccctcct	gatggtcgct	540
gccaaaggtgt	gtacttccca	gccgtag				567

<210> 5683

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 5683

ctctccaata	ttgctgacca	cgccattgac	cccaggttct	actgctgtct	cagtagaatg	60
ttccttgacg	gcctcaggct	tgcctttgct	ggtagtctct	tcaacctcgt	gagcctcgct	120
ttgcttttca	gtcgcggtg	cgatggctcg	ctctgcaaca	tgctcagcaa	cagggtcagc	180
aataggtcca	tcaacgggct	caggctcagc	agcgggctca	gcggcaggct	cagtgcaggg	240
ctcagtgaca	ggttcagtga	caggctcagt	gacaggctca	gtgacgggct	cagtgcaggg	300
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gggctcagcg	gcgggctcag	cggcaggctt	agtgcagggc	tcagcaacgg	cttctgctg	900
ttcttcaatc	gctgccacat	cggcaacttc	atcttgagca	ggtacctgaa	tgctggcttc	960
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<210> 5684

<211> 825

<212> DNA

<213> A.fumigatus

<400> 5684

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gtgacaggct	cagtgcaggg	ttcagtgcga	ggctcagtga	caggctcagt	gacgggctca	180
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acgggctcgg	gctcagcggc	gggctcagcg	gcaggcttag	tgacgggctc	agcaacggct	780
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<210> 5685
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 5685	
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cagcggcggg	ctcagcggca ggcttag 207

<210> 5686
 <211> 1755
 <212> DNA
 <213> A.fumigatus

<400> 5686	
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tctactgaga	cagcagtaga acctgggggtc aatggcgtgg tcagcaatat tggagagcta 1200
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<210> 5687
 <211> 996
 <212> DNA
 <213> A.fumigatus

<400> 5687

ttccttcgga	gcccgcgacg	gaggagcctg	tttcagagcc	gcagaccagt	gaggcgactg	60
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cagcgattga	agaacagcag	gaagccgttg	ctgagcccg	cactaagcct	gccgctgagc	180
ccgccgctga	gcccgcgccc	gttgatgagc	ccgttgatga	gcccgttgat	gagcccgctg	240
atgagcccg	tgatgagccc	gttgatgagc	ctgttgccga	gcctgttgct	gagcctgttg	300
ctgagcctgt	tgctgagcct	gttgctgagc	ctgttgctga	gcctgttgct	gagcctgttg	360
ctgagcccg	cactaagcct	gctgctgagc	ctgttgctga	gcctgttgct	gagcctgttg	420
ctgagcctgt	tgctgagcct	gttgctgagc	ctgttgctga	gcccgtcact	aagcctgccg	480
ctgagcctgt	tgccgagcct	gttgctgagc	ctgttgctga	gcctgttgat	gagcatgttg	540
ctgagcctgt	tgctgagcct	gttgccgagc	ctgttgctga	gcctgttgct	gagcctgttg	600
ctgagcctgt	tactgagcct	gttgctgagt	ctgtcgtga	gcctgccgct	gagcccgccg	660
atgagcccg	cgctgagcct	gctgctgctg	agcccgccgc	tgagcccgag	cccgttgatg	720
agcctgttgc	cgagcctgtc	actgagcccg	tactgagcc	tgctactgag	cctgtcactg	780
aacctgtcac	tgagcctgtc	actgagcctg	ccgctgagcc	cgctgctgag	cctgagcccc	840
ttgatgagcc	tattgctgaa	cctgttgctg	agcatgttgc	agagccgacc	atcgaccccg	900
cgactgaaaa	gcaaagcgag	gctcacgagg	ttgaagagac	taccagcaaa	gcgaagcctg	960
aggccgtcaa	ggaacattct	actgagacag	cagtag			996

<210> 5688

<211> 786

<212> DNA

<213> A.fumigatus

<400> 5688

gtattagcaa	gttacaacag	gcgctattgt	gctccacgat	gcttatgctt	agatgagcgt	60
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tccgcaagcg	tattggtacc	tagttacagt	gagtcaccat	tgaaaaatgt	cgaatggagc	180
aacttacttg	tccaggtagg	gcagaacctg	gtccaggcca	ggggtgtttc	tccagtcgcg	240
catcaggtcg	gtgacgacgc	caaatgtgcc	catgaggggtg	acgccagcct	tctccatgcg	300
acggttgcca	tccgccgcca	gtttgtcgtc	aaaggtacca	ctagcctcgg	tggtggcgag	360
acctcgatc	cttcgctgat	gagcgagagg	gccaagaagg	cggtgcctat	ctcgttagtc	420
tcgttctacc	tcgacgctgg	acgtaagacg	aagcttacaa	acttcagtga	caataccgct	480
gacaatcaat	tgtttcttgc	cagtggcctg	gatggccgcg	cggaactcgg	cattgtccca	540
ggcgttgacc	tcgccctggc	gatgaacaat	ggtcacattg	gggttcaaat	ccacgacttc	600
cttgatcgtc	agtccattgg	gacccgcgtc	ggaggaagtg	gtcatgacga	cagacaggtc	660
aaacaggttg	cccaaggcgg	cgtgggcaag	catgttggtg	cggaagtcgt	tggtgttgaa	720
atcgcggtcc	agctgggcga	gaccgacatg	gtagtcgatg	atgagaacag	cctgggtggg	780
aattag						786

<210> 5689

<211> 444

<212> DNA

<213> A.fumigatus

<400> 5689

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gcccagctgg	accgcgattt	caacaccaac	gacttccgca	acaacatgct	tgcccacgcc	180
gccttgggca	acctgtttga	cctgtctgtc	gtcatgacca	cttcctccga	cgccgggtccc	240
aatggactga	cgatcaagga	agtcgtggat	ttgaacccca	atgtgaccat	tgttcatcgc	300
cagggcgagg	tcaacgcctg	ggacaatgcc	gagttccgcg	cggccatcca	ggccactggc	360
aagaaacaat	tgattgtcag	cggtattgtc	actgaagttt	gtaagcttcg	tcttacgtcc	420
agcgtcgagg	tagaacgaga	ctaa				444

<210> 5690

<211> 231
 <212> DNA
 <213> A.fumigatus

<400> 5690
 cgagataggc accgccttct tggccctctc gctcatcgac gaaggatacg aggtctcgcc 60
 aacaccgagg ctagtgggtac ctttgacgac aaactggcgg ccgatgccaa ccgtcgcatg 120
 gagaaggctg gcgtcaccct catgggcaca tttggcgtcg tcaccgacct gatgcgcgac 180
 tggagaaaca cccctggcct ggaccagggt ctgccctacc tggacaagta a 231

<210> 5691
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5691
 cgacaaactg ggggccgatg ccaaccgtcg catggagaag gctggcgtca ccctcatggg 60
 cacatttggc gtcgtcaccg acctgatgcy cgactggaga aacaccctg gcctggacca 120
 ggttctgccc tacctggaca agtaagttgc tccattcgac atttttcaaa tgggactcac 180
 tgtaactag 189

<210> 5692
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 5692
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 tgcgtcgcyg ccgtagaggg cggctctgac gagcggggac cgagcgatgg tggacgcgat 180
 gagacgggcy gactcgtagt ccggggagtt ctggacgcgg acggtgacga acttgggtggc 240
 gccttcgccc tcgcgagcga cgagctgcga gagcgactgc gcgaacgagg tgaggatttc 300
 ctgcatggcy gtgtagtcgt ccgaggcggy ggaactgatg ggggcaccgc cggcggcgc 360
 gttggcaagg atggcgaccg tgctcgtttgt gcttgtgtcg ccgtcgtctt caccacgggy 420
 gtggaaggac agcgggtggtc t 441

<210> 5693
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 5693
 agaccaccgc tgtccttcca cccccgtggt gaagacgacg gcgacacaag cacaacgac 60
 acggtcgcca tccttgccaa cggcgccgcy ggcggtgccc ccatcagttc cccgcctcg 120
 gacgactaca ccgccatgca ggaaatcctc acctcgttcg cgcagtcgct ctgcgagctc 180
 gtcgtccgcy acggcgaagg cgccaccaag ttcgtcaccg tccgcgtcca gaactccccg 240
 gactacgagt ccgcccgtct catcgcgctc accatcgctc ggtccccgct cgtcaagacc 300
 gccctctacg gccgcgacgc aaactggggc cgtatcctct gcgcaatcgg gtacacgcag 360
 ggcgtggccc cgggaacagt cgtccctgag cgtacgagcy tcagcttcaa gcctgtggat 420
 gggagtcctg tgctcaagct gctagttaac ggtgagccgy aacaagtcga tgaggaacgc 480
 gccagtgtca ttcttcagga ggaggatctg gagattgtcg ttgacttggg tgggtggtgag 540
 aaggggtgagc aggggtctagg tgggtgaagag gctgtctact ggttctgcga tttcagccac 600
 gagtacgtga ctatcaatgg ggattatagg acttga 636

<210> 5694
 <211> 315

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (259), (279), (280)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5694

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accaaaggcg	gcagcagtag	gaatgattct	cttaagctcc	ttatacatgc	tctgttcgcg	180
gtggcgggcc	atttacaaga	ccctgtcctt	cagctgcttg	gcgacatcgc	gaggggcaga	240
gccagagacc	tcaatccang	tcttgagag	aaggcgcan	gcaccagcat	gaaagtgatg	300
tatacagccg	tgtga					315

<210> 5695

<211> 447

<212> DNA

<213> A.fumigatus

<400> 5695

ttagaccacc	gctgtccttc	cacccccgtg	gtgaagacga	cggcgacaca	agcacaacg	60
acacggtcgc	catccttgcc	aacggcgccg	cggcggtgc	ccccatcagt	tccccgcct	120
cggacgacta	caccgccatg	caggaaatcc	tcacctcggt	cgcgagtcg	ctctcgcagc	180
tgtgtgtccg	cgacggcgaa	ggcgccacca	agtctgtcac	cgctccgctc	cagaactccc	240
cggactacga	gtccgcccgt	ctcatcgctg	ccaccatcgc	tcggtccccg	ctcgtcaaga	300
ccgccctcta	cggccgcgac	gcaaaactggg	gccgtatcct	ctgcgcaatc	gggtacacgc	360
agggcggtgg	cccgggaaca	gtcgtccctg	agcgtacgag	cgtcagcttc	aagcctgtgg	420
atgggagtc	tgtgtcctaa	ctgctag				447

<210> 5696

<211> 225

<212> DNA

<213> A.fumigatus

<400> 5696

atacaccaat	atataaatgc	acctagagcc	attctgtcca	gatgcacttg	tccactgtta	60
ggactctctt	gtaagtattt	taatttggtc	tactttttgt	cgaacgtgca	cctagccatt	120
atagatttgt	tttgcttcta	caagactttc	caggtcacgt	gtatacagtg	catactgcat	180
agtgcatacc	gtcttgataa	tttactgctc	accaacttcg	ggtga		225

<210> 5697

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5697

gtttgcgttc	agtgtctgtt	cacacgagct	gactatagct	gggtcggcaa	ctggacttca	60
gtttttcttg	cctcggcgac	ctcaggatatg	gaaatatcga	atatttatgt	taggaaattt	120
gattcaaatt	tcatgatatg	tacgtggcgg	atacaactag	gccctcagtt	ctgttcgcgg	180
actgaaacgc	tgaagcactg	a				201

<210> 5698

<211> 513

<212> DNA

<213> A.fumigatus

<400> 5698

tccagtccag	tctctgcaag	ttacaaagag	gccaaaatta	tgtcagttga	cgcagatgag	60
gagactcctc	tggctggtac	tagtccccc	aacccaagcc	aaattccctc	cattgctctc	120
aacgcaatat	cgaatccaga	tgaaccttat	gtcgtcgacc	cgtcgagcct	gactacctat	180
gagaagaggc	tttatgactt	cttatgctcc	caagaatgga	ctgatacaca	gttttcttgt	240
tttatcactc	agatcaagcc	aatgaaagaa	gccctctcac	gctatttcta	ctcgcacggt	300
tggaaactg	ttcaagtgca	gtgtctccat	gagcgttgtg	agatggaatt	tccagagcat	360
tttccagctc	caagaggcaa	tgccgagcag	caagatacgc	agatgcagct	gagactagtc	420
gaagaaatga	atcgtcggag	ggcgatgggc	gagcgcaggt	acccttcaat	aggcactatg	480
gacggaggaa	ttgtcgagga	gggaagggct	tga			513

<210> 5699

<211> 270

<212> DNA

<213> A.fumigatus

<400> 5699

tatagaatat	ccatgtcctt	atcaaacc	acaatagatg	actatcccgg	cccagatcta	60
ggaacaaaca	gtgatgctag	tgaggagagt	agttgcaagc	attattcata	tgtgtgcaact	120
aaggagagca	agtcaatttc	catcgaggaa	tactgaaga	acagtatacc	taatggaatc	180
cttagtatct	cttctgtagt	tccagggcac	atcacgtacg	taaaaggtgg	tctggcgaag	240
tatccctacg	tagctgaaac	gccgaactaa				270

<210> 5700

<211> 684

<212> DNA

<213> A.fumigatus

<400> 5700

cccgatgatg	aggacccagg	atatcaagca	ttcctcgatc	atccggcggt	cgaacgcgga	60
gatttccttg	aatctaagga	tgaaccatgc	gcatttgcag	tcgatgttgg	acctgtggtc	120
acgacctgca	atggatgtgg	ggctacattc	ccgttacgga	atcgtctgca	tacctatctt	180
tcggaatgtc	cacgcacaca	ggaaccaatc	cctgttacc	ctactactaa	tgaccaact	240
gctgtctgta	tcattgaatc	tactcacaag	ccaaccgggc	tcgttggaat	ctgttcctgg	300
cattgcgcta	ctgcaaagat	cagaattaac	agcacatcag	aataccatga	gatatgcctt	360
aatataggct	gctcctctac	cattggaaat	acagagttca	ttgaagcatt	acctagcgta	420
accatcactg	agctgacgga	cggcatcaca	gtttcaggca	tcggatcctg	tcacgatca	480
aactgtttctg	ctatgctaac	actatggttc	cctggattga	tgaatgatgg	tggttctgtg	540
aatgcattcg	ctaagattac	catccgttgc	catttggtcg	atggcctgaa	gcctaagcta	600
cttatcgga	ctgatgtcat	ctgtagtga	ggattcatgc	ttaattttga	acatggcatt	660
acaataatta	gttcttgcag	ttga				684

<210> 5701

<211> 435

<212> DNA

<213> A.fumigatus

<400> 5701

ttaaccttcc	taattatcac	gcaagctaaa	ctgcatcgga	tcacttgtgt	agtagtatat	60
gcaaagcaaa	ggtctcttct	actagtatat	tcagttagta	aactggcagt	acgtttaaag	120
actgattttac	cagctaacca	tgactttatc	tttgaccgcg	tggacggatc	aaccttgaac	180
ggagccacca	tatacgcgca	tatggttgac	catgagttct	cctttatcga	agtccgcaac	240
gaaacaccca	ctccaattat	ggtcactcgt	cacgctcgca	tagggaccat	ctctgatgcc	300
aatttcgtca	ctgcctacca	agtcagcgag	gatgctattc	cattagctaa	gccattggag	360

tccaaactat tggaattcga gtctaccaag ttgagttacc cttectctag ataccgcgaa 420
cacgtcaaac attaa 435

<210> 5702

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5702

ctcactgaag	tacttatgag	ctttaatgtc	tggggcgacg	atggctccac	agcccgtatt	60
cctgaggaag	aatggatgga	ggttcccttg	aaggaaggat	gggaaaaccg	tcttcctaaa	120
ccatatgtct	atcgcgtcag	tcctaaagat	catgaatgca	ttgatcgcat	gtttgaccct	180
ctacgtgaag	ctggcaaact	tagtcctgct	accggtcata	ccccttcggc	gtatctagtc	240
tttggtgtat	ggaaaaccgt	cactgatcag	aacagctaa			279

<210> 5703

<211> 402

<212> DNA

<213> A.fumigatus

<400> 5703

aagatcctgg	accatggcac	gaatcgttgg	tggggcgacg	ctcgcagcac	tgttggtctt	60
gcagtcaaga	atgcaatgct	gggtccagaa	agtgtgtcca	accagtactt	gtttatcgag	120
tcattcaatg	tctcgagag	ggacgttctc	gctgcgttgg	aagatgtgac	cggaacaagg	180
tgggatgtaa	cctaccatga	tgcagaagag	gaaaagcggc	tgccttgga	aaagctggct	240
aaggggaaact	atagtggaa	ccccgcgctt	atgcgatata	taacctgtgt	caaggggtat	300
ggggggaaact	atatggacag	cgaggagagt	gcgaacaagc	tgctgtcggt	gcctgcagaa	360
agcctccatg	cggtgctggc	cggattaact	aggcatgaat	ga		402

<210> 5704

<211> 228

<212> DNA

<213> A.fumigatus

<400> 5704

caaaacagca	aggctcaact	cgacaatcga	gatcttacat	tcgatgggaa	gtgtgttggg	60
gagtctttgc	tttacgaagg	tttttacact	tgggctgaaa	ctgcgcgggg	tatggattgg	120
gctggtgtgg	ataatgagca	gtctactctt	tgcattggtg	gggatccac	ttacgggtgct	180
tcgagtgtaa	tgctgttcaa	tttcgagtct	cctacagaca	tagaatga		228

<210> 5705

<211> 1008

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (39)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5705

gctggaccat	tgggggaaga	ccaatttcgc	catggccant	ggtatggaac	aatgttggcc	60
gattatacga	cagattcaac	ccgtccgata	ctattctttc	ggattggagt	cgttagttag	120
attgtactct	tccttgccgg	agcgataagc	gcgcaaataa	tggctttgaa	cccttggtatc	180
ccgacgtgta	tgggtgttgg	aattgttgc	gtcggcctca	cctgtgcttt	ctttctacct	240
gagactctga	accattgcgc	gaagaagaag	gctacaatcc	acagagatga	gccagtctcc	300

tgcatggg	cg	cggtgagg	tcgttctact	gcagcccaaa	ggttctcttg	360
aagtcgtcca	gacattgtct	tatcttgggc	aagatccgac	gcttcctcaa	ccatgatata	420
ttcatctttg	accaccggct	catgttgcta	ctcttcgctt	ttgccgtcta	tgggctcgct	480
cagggttcct	ctggcttcct	ggctcagtat	atgtccacgc	gcttcaactg	gacctagcc	540
caggccaatc	tcctcaaata	cttccacaca	gctgccactc	tcccctgtgt	cctgtttctc	600
cttcccttata	tatcaacgca	cgtcctgaat	tacctatcgc	tgcgcggaag	ggatctctac	660
ctggcgcgga	tgagtattac	ttgtctagcg	gtcggatccc	ttagcgttgg	tcttgcgcca	720
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tttacacttg	ggctgaaact	gcgcggggta	tggattgggc	tgggtgtggat	aatgagcagt	960
ctactctttg	cattgggtggg	gatcccaact	acggtgcttc	gagtgtaa		1008

<210> 5706

<211> 1095

<212> DNA

<213> A.fumigatus

<400> 5706

acaccacctc	ccagtccttc	tcaatcttcg	caaggacgac	aaggaatcaa	gatcgaaaga	60
tacacaacga	tgggattttt	ccgatccac	agcaaaaaga	caatgtcgcc	agtacacagc	120
ttgattgaag	agtgaacacg	attgatggac	gagaatatgt	ggcatgaagc	tggagaaaag	180
ctgagccatg	ctgtcaaaca	gcttgaggaa	tcacaaggcc	tttatcacga	ggagactctg	240
ttcatgaaga	ctaactctggc	ttacgctctt	cgccgcctg	gtgagtacca	ggaggcagag	300
cgcattggatc	agcaagccta	tgcctgttga	cttcaagtct	ccgggcctga	taacgtcgag	360
acggcgaaat	ccctgaacaa	cctcgcgctg	gacctgaaag	gactcggccg	attcgatgag	420
gcactggatc	tgggaagaacg	agcattagag	acgtttctga	aaatcaacgg	ggaaggctcg	480
cgagagacac	agaccagcat	gaacaacctg	gccaacagtt	tccaccgaca	cggacgcctg	540
caagacgctg	ccaggctgca	tgaagagagc	cttgcgctgc	aaaccaacac	ccttggcagg	600
gagcatttcg	agacaatcat	caccatggat	ttgctcgggg	tggattaccg	cgagctcggc	660
cagctcgata	gagcccttca	ctatcaatcc	gaagccttgg	aactgtccaa	ggccaatctg	720
ggggaggccc	acgcaaccac	tattcgatgc	tccgccaaac	tggccaccac	ataccagagg	780
ttagacacgg	aagacggcga	agccaaggca	ttagctttac	tagagcaggc	cttgacgctt	840
tgcggcgcaa	cctttggcga	gaatagctcg	gacacgggtg	cggatcatgaa	taatctcgcc	900
gcagcatacg	ccaggggagg	ccggttttgc	gatgcgggtg	ctctatttga	atcgccatat	960
gcatggaatc	agaggacgct	gggtccggat	caccacagaa	ctcgagcctc	ggaaggcaac	1020
ctgaactatg	tgatggagaa	aatgggtctc	actcgtgcta	cgcgtcttca	ccacgaggct	1080
ggaaggacac	ggctc					1095

<210> 5707

<211> 807

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (330)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5707

accgatatacc	cccacgggaa	atcaatccct	cttggttgcc	tttgccggagg	agacaaagaa	60
gacccccctc	aactgaagtg	cctagctccg	ctcttccagg	ctcctttctg	ggaagccgaa	120
ctcaccggcc	ggtgcgtcgt	ctatgtcggc	gcttacttct	ttttgccatt	catgtcaagt	180
ggcttcgcac	tgggcccagac	catcgttacc	atcttggtat	gccgcgccct	gctcgccttc	240
ttgggttgcg	tggccactat	cctcgtggcc	gcccctttcg	acgacatgta	cacgccaac	300
aagcgcgcgc	tccccatgcc	cactttctcn	tacatcgcca	tcttcggcac	cgtaggcgcc	360

cccatatacg	ccggcttcat	cgacgaaacc	ctcggttggc	gctggatctc	gaggaaatgc	420
tccacaattc	ctccgtccaa	ggcaatccac	atactcgcca	ccaaacccgc	cctcctcggc	480
tttgggtctgt	ggtttagtct	cgcttgggtc	ctcacctcct	cttctctctc	gtcatcccca	540
tcaccttcca	ggaaaaaaac	gcctggagcg	agggcgttgc	cggtcggtag	taccctatat	600
cgccctctgc	agaggcacia	ccttcgggtt	cgcgctcaac	ttccccaga	tcagcaaata	660
ccgcttcate	gtcacagact	ccgcccgcga	accaacaccc	gaggcacgcc	tctacggcgc	720
actgctcggc	tctatctggc	agcctatcgg	actgttttat	ctacagcttc	acgtagtcca	780
aggagctaca	ttggatttcg	ccggtga				807

<210> 5708

<211> 672

<212> DNA

<213> A.fumigatus

<400> 5708

gcgcccccat	atacgccggc	ttcatcgacg	aaaccctcgg	ttggcgctgg	atctcgagga	60
aatgctccac	aattcctcgg	tccaaggcaa	tccacatact	cgccaccaaa	cccgccctcc	120
tcggctttgg	tctgtggttt	agtctcgctt	ggttcctcac	ctcctcttcc	tctccgtcat	180
ccccatcacc	ttccaggaaa	aaaacgcctg	gagcgagggc	gttgccggtc	ggtagtacct	240
tatatcgccc	tctgcagagg	cacaaccttc	ggcttcgcgc	tcaacttccc	ccagatcagc	300
aaataccgct	tcctcgtcac	agactccgcc	cgcgaaacca	cacccgaggc	acgcctctac	360
ggcgcaactgc	tcggctctat	ctggcagcct	atcggactgt	tttatctaca	gcttcacgta	420
gttcaaggag	ctacattgga	tttcgcgggt	gattgcctgg	gtcctcagta	ccgtgggcat	480
tttctttatc	ttgagagctg	ctacagtttt	acgtcggatt	gctacaggga	gaattccagc	540
tcggccattg	cgggccaggg	cttcatgcgg	aatacgctcg	gcgcgctatc	cccgtctttt	600
gcacgcagct	ttttttcaat	aatatgggca	gtcgggtattc	ggggttgttg	gcggttgttg	660
cgacgttggt	ga					672

<210> 5709

<211> 1260

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (147)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5709

ggaaatcttt	cccattgcgg	gagatgctcc	ttgagacaat	caaccattgg	tttattggcc	60
gctcgaaggc	cgcaagagcg	tgatctttat	gtcgaatgga	cgctcattgt	gcccgcgcgt	120
tggtccacc	ttctgcctca	cttgagntac	ctaattgcgc	ctatcgttgt	agcattgcgt	180
gcagactcag	actttgtagg	gcagggcttg	cgaacccttg	agctttgcgt	tgacaatctc	240
actgctgact	acctggacc	catcatggct	cccattatgg	acgaactgat	gactgctcta	300
tgggaccatt	tgcgaccgca	tccctacaat	catttccacg	ctcatacaac	catgcgaatt	360
ctgggcaagc	taggcggccg	taacaggaaa	ttcctgaacc	atcctcctga	gcttacattc	420
gagcaattct	ctgatgattc	accgagcttc	gatatcaagc	tcattggggc	aagtgcgaaa	480
cggcggtttc	ccagctcaat	tgggtgggac	ctggcgatca	ggaagttaat	ggaggttccc	540
aagacggccg	ccgcaaaggc	ctctgatggc	tactataagc	aacaggcatt	ccgcagcttc	600
tcaccccaat	tgaagctcta	tattggccat	gagaatgtcc	cggaagatct	agctgctctt	660
ttgcgtttgc	atgccaatga	cctcttcgag	ggcaagacca	cagccatgac	ggatatcttg	720
gacaaatctg	agaggtctag	ttcaattgcy	aagaagttgg	cgcaggaggg	cacgctgaaa	780
cagctcctga	aagcttgcat	tttcgccacc	acccttccag	acatcgaaca	gagcgcaacc	840
gccttcgttg	ctgatgtctg	caagcatttt	gcagtcgttg	aagtcggaag	ggccctcgcg	900
ctagccagac	ataatcgga	gccctttgat	gtccacagtg	gagaaggccc	cgtctatttg	960
gactcgcgga	tcctagctga	ggcaatcggt	gaaagtctct	catcagacaa	cctccgtgtc	1020

cgtgatggcg	ctgaggcggc	aatgcaggtt	atgaaggatg	ccgcggggat	catttttggg	1080
gcacctgaga	gagttgcgaa	actgcccttc	ttccagcacc	tgggtcgcgt	tttctgccat	1140
agttgtcata	gcgaggaatg	gttcaccaag	gccggaggca	gcctgggtat	ccgccttttc	1200
gcgaccaaac	ttgatcttgg	ggattctgtc	ttcaccacgg	ggctggaagg	agccgagcca	1260

<210> 5710

<211> 1650

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (15), (1456)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5710

cagaatacaa	gtcantggta	tgaacccata	ttgccagcag	agcagatgtt	ccttctctca	60
tgccggaaat	tgttgagaga	ctttattatt	tctctgtcct	ctcacctatc	tcgaaaacga	120
ccggcagatg	cattcttggg	gtttctcaca	aattcttctt	ctatggttat	cgtgctcttg	180
aatgaattgt	cagcggcggt	ccagcatgtc	gagggccggt	tgacgccaga	agatgcagtc	240
aaacgggtatc	tggatttaca	tccggaaagc	agcttagcga	acattttgtc	ggagcagcag	300
cagcgaatga	aattaaaaat	ggtagcagat	gatatacctat	ccagcttttt	ggaaccaggt	360
gtgtacgctt	gttccgtgct	gagggacttc	cttcgtgaga	ttctggccgg	tgtagtgtta	420
gagtcggcga	tctccaatct	ttcgcgatcg	gagacgatca	atggctggat	cattcatctt	480
ttaagggaag	gtgaatcgga	gttggtgaac	gccattgatg	cgggggtcga	gggggccaag	540
gagcaagtgg	tcgctgtcga	agggcgcaac	gaagagaaca	agcctacagc	agttccgtct	600
agcgagttag	atatggaggg	aaaacctgct	ggacactctg	atacttatgg	cattcttctt	660
acgaccaagg	ttattgaggt	tccaatctat	ccaccgggag	gcaccacggt	tcagacacag	720
gacttgcagc	cccaaaccgc	tcgtctgtgt	tcccctgaag	atatgctgtc	ctcagatgcc	780
cagtcaacca	tgttgccgca	ccactcgcct	gtcgggatcc	aagacaaaga	agcaacaatc	840
catacaccaa	agggttaaaga	cgccgcagag	attcagaatg	attatgattc	gacaaagata	900
gagtcacacg	aacattatcc	tccagttcaa	cctacagacc	catgcatggc	accgccagcc	960
tctcgtttac	cggattttca	atctaaaaaa	tcacctgcca	cgactcttca	tcatgcatcc	1020
gtttcagtag	aggagctttc	tgaagctagt	gagaaagcat	taattcgggc	aaaacctaca	1080
tcgagttatt	tgattcaaat	tgagccagca	gccacacgtc	gcactgggtg	gatgattttc	1140
agaaactatg	cagattttga	atcactacat	ggcacccttg	gaacgatagc	gaggcttaat	1200
aagatacaag	attttacgga	aagccaccct	gtcttgccac	cttgggaagg	acagacaaag	1260
ggggccctag	tgcgtaatct	ggagagatac	cttaaggatg	cccttacta	tgaagcgctt	1320
gcggttgctg	agagaatgaa	acgggtttttg	gaaaaggatg	agcgccctga	tcctggtgcc	1380
agcgatgccc	cagctaaatc	tggattttccg	tttgccacat	cgggtggcgt	cgaaaacatg	1440
ggcaaaggta	tgctangcgt	tctgactaac	gcaccgaagg	gcgttgctga	aggtggtaaa	1500
gccgtcattg	gtggtgttac	cggggtgttt	ggaggagcaa	atggcaaaaa	aacatcattc	1560
aactccaaag	gatatcaagg	aaaccatggc	cgttccctat	caactcgatc	cacctacaaa	1620
atgaactacg	ggagtgcagt	ttctgacggg				1650

<210> 5711

<211> 408

<212> DNA

<213> A.fumigatus

<400> 5711

cccccttgcgt	tatcagtagc	gtctttcata	tcagccttcg	gtggctcgtc	ccgcaaggag	60
aatgccggac	agcatcatcg	tacagcttca	gcctcaatca	cggtgggcga	tcctccgtca	120
agattcgaga	cccccttctc	cgatacgccc	tcaccgatcg	aaggctcgcc	gtcgcagttg	180
accacgaaag	cggaacgccg	catttcacgg	ccagcatcga	cagtcttctc	tcacaatcct	240
ccgttgacag	agctttcaga	agatacgccg	cccgaacttc	agccgatatt	cacttacctc	300

aataaccacg ccaacaaatt gtaccatgaa ggatacttcc tcaagctgaa tgatctggat 360
 acccgatatgt gctttgcctc aagtgtctgt cgaaccagca cgacctga 408

<210> 5712
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 5712
 gtatctgggtt cacatccgtc caatccgctg tgccagcgta aaacactgcc tcaaactggg 60
 tcaatggcgc cttcaatttt gagcactgaa tcttccatta tegtattcgg agcaggcaca 120
 tggggctgct caactgctct gcatctcgct cgtcagggtt acaaagatgt cactgttctc 180
 gaccctcatc cagttccttc gccattgca gcaggcaatg acatcaacaa gattatggag 240
 cacagcgagc tgaaaggtag gactggagtt atttga 276

<210> 5713
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 5713
 gacgaaggca ttggtcgagc tggccgaatt gataaccccc tgttgcttgt acacagacaa 60
 gacaatgaaa cccgtgagaa tcttctcatc gttctgtctg ctatgctgtc ttccattgga 120
 tcttgctatc tgattgtcgt ttggagcttc ctggtttcaa ccacttatcg tatcttcccc 180
 tctcatgagg ggaacgcaaa atga 204

<210> 5714
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 5714
 gaactgactt ggggtctcatt tgaggagcat agtaatatga cattgtataa tgtaagctgt 60
 gctaagttct attatacttc aaccgactac tccatatcac gcacggatt taagggagtg 120
 aaggctggag tggtcctgtg gcatgccatc ctccataatac gtgctgttgc ttccttgacc 180
 ttgaaccttg gcgccccaa gactgcgcaa cgcgagacta tcgacctcat ccgaatagcg 240
 ttgctgttca tcggctccat tgccaaatag 270

<210> 5715
 <211> 1677
 <212> DNA
 <213> A.fumigatus

<400> 5715
 catgggcctt cattctctca gttcgttctg tactacttac aaagaactta tttcttcgat 60
 gtgcaccctc catttggtcaa attgctcttc gctttcatgg ggtggctgat tggctacgat 120
 ggccactttt tggtcgacaa catcggcgac tcctatatcg ataacaaagt tccttatgtc 180
 gctctccgcg caatgccggc cactctgggg gctctgacca tccctgtggg ctctctcatc 240
 atgtgggaat ccgatattc gttgccggcc tgcgtgttgg ctgccggtct cgtactgttt 300
 gacaatgccc acgtcggaga ggacagactg attctgctgg atgcctcctt ggtactatcc 360
 atggcactaa gcatcctgtg ctacgttcgc ttctacaagc tgcgtcatga accctttggc 420
 cgtaaatggt ggaagtggct gctcttgacg ggcgttagtc tcagctgcgt tatctctacg 480
 aagtagtctg gtgttttcac atttgcacc attggtgctg cgggttttggg tgacctgtgg 540
 aacttggttg atatcaaccg cccatcggga gctctcagca tggccatttg gactaagcac 600
 tttgctgccc gcgcatttgc cctcatcatt gtgcctttct tcttttacct gttctgggtc 660
 caggtcatt tcgccattct caccgctcc gggccaggcg atgatttcat gaccccgagg 720

ttccaggaaa	ccctcagtga	caacctcatg	tgggcgcagt	cgatcggcat	tcagtactat	780
gacacaatca	ctatcaggca	caaggacacc	aaggtgtttc	ttcacagcca	ctgggagaag	840
tatccccctc	gctatgatga	cggccgtatt	tccagccagg	gccagcagg	cacaggatac	900
ccattcaacg	acacgaacaa	tactggcgag	attctgcctt	ctgttcccta	tcctgaaacc	960
gacaggcaag	gccacagtgt	caagaacggc	gacatcgtcc	agctccgtca	cgtegggtact	1020
gacaccatcc	tgctgacgca	cgatgttgcg	tcgccttatt	atcctaccaa	ccaggagtcc	1080
accaccgttt	ctcatgaatt	ggccaatggg	gagcgacaca	acgatacgct	gttcgagatc	1140
aagatcgaga	acggcaagcc	tcaacaggaa	ttccgctctc	tctcaagcca	tttcaagctg	1200
atccatgtgc	ccactcgcgt	cgcgatgtgg	accatacaaa	cccccttcc	tgagtgggccc	1260
tttaagcaag	ccgagatcaa	cggcaacaaa	aatatccttc	agacgagcaa	tctttgggttc	1320
gtggacacaa	tcgagtcggt	ggaagaaaac	agcccccggtg	ctataaagaa	agagcgccag	1380
gtcaaacatc	tccccctctg	gcgcaagtac	cttgagctgc	aacgggctat	gttcttccat	1440
aacaatgctc	tgaccagcag	ccatccgtac	gccagcgagc	ccttccagtg	gcccttccta	1500
ctccgagggtg	tcagcttctg	gacaaaaaat	gacaccagag	agcagattta	tttcctgggt	1560
aatcctatcg	ggtggtggat	tgccagcagt	ctgttggtcg	tctttgtcgg	ggcatcggc	1620
gctgatcagc	tgtcccttcg	ccgcggagtc	gacgctcttg	aagaaagtaa	gcattaa	1677

<210> 5716

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5716

tcagtcttct	ctcagttcct	ttggctcgctc	catattaacc	ctttagcaga	gaccacaagg	60
caacaggatg	tcaacattta	ccttccaagt	tcccttaaga	ccgaaacact	caagacggcc	120
cacgccaagt	tttttgagga	gaagtacaaa	gggggattcc	gcaatgctcg	gaatcgactg	180
caagactatg	ccagctggct	ccagggccaa	gctggattcg	gaaatctcga	tcaagccacc	240
aaggatgaag	tggccaagct	tgcaagcaat	cccagggctc	actgtacgga	aatatggccc	300
ctgtaa						306

<210> 5717

<211> 237

<212> DNA

<213> A.fumigatus

<400> 5717

agaacaagca	gctcttgtgt	tttattactt	tattttttatt	ttattttctt	ttattttgtt	60
cttgctcttt	tagcagtact	gatcaacaat	agttctttca	ttgggtgcaa	ttcttcagat	120
acatttgagt	ctgtgttcct	aactagtaac	tactcaatga	aggggaactaa	taatggaagg	180
atcctgggtg	atcatttgtc	tgtagagcca	gagcacctct	cttttacttt	tctgtaa	237

<210> 5718

<211> 492

<212> DNA

<213> A.fumigatus

<400> 5718

gggctatata	gcagagaaat	gaaagagacc	actcgatcac	acagcatttc	tgacagcgac	60
aagatccctg	ctgcaatacc	gagcctgtgg	gagaccacaa	tgggattccc	ccacgatctg	120
gaacgcctag	gctgctgcaa	ctgcaagctt	gcagctgac	gctttcagcg	ttgcattttc	180
ctttccggtt	ccttttcata	ttcattttta	attctaattt	tgtttttctt	ttatttttta	240
ttttttttat	ttatttttta	ttttttttatt	ttattttatt	tttttttttt	ttttttcttt	300
ttttcttttg	caccactatt	cgtctctctg	gtttttgttc	cctggctggg	tttgggtttt	360
ggcgccccct	gtcagactga	tgggtctggg	cccctggact	tcccaaaaag	gatactgcgc	420
aaaaagcatc	cacatacttc	tctctctgtc	tgccccaacg	tcattgtggga	tcattgtcat	480
gacagaattt	aa					492

<210> 5719
 <211> 276
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (234), (242)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5719
 gatatacatct ctggagacga gggttctctcc gacaacttca agatcaagga agttgacggg 60
 gtcctctacg agtgcgaaact ggcgaagtac ctcaagcgga agaacaaaga catccagctt 120
 gaggggtgcta acccctccgc tgaagaaggt gacgatgatg ccggccgtga tggagaagaa 180
 gtcattgggtc acgacattga agatcagttc cgtctcgttt ggctgaaaaa cgangaaggc 240
 antgaacctt ccaaagatgc cttccaaaac acctga 276

<210> 5720
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 5720
 gttgaccac tctttagtgt accgaaatcg ctgaccgtgg acgtcgtagc atggaactgg 60
 ggagccaaaa caggtctgtt ctatgcgggc accaaccttc tctgcaacgt ctggtgttgg 120
 ttccgccttc ctgagacgaa ggaccgcact ttcggagaga ttgacttgct cttccaccac 180
 cacgtccatg caagaaagtt caagcatacc aaggttgatc gtaagttgct cctcgtctac 240
 tccgggtctt ctattctaac atag 264

<210> 5721
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 5721
 agacacatga gcgggttgct gttcatgttt gcttgtatgg tgatcattgg cggctcttggc 60
 ttcgcagagg gcaacaaggg cgcacagctg gccatcggca tctctctggg gatttgcact 120
 ctctgcaata tgattaccgt cggaccggtc tgctacccca tcgttgcaga aacgccttcg 180
 gggcgattga gatataagac tattgtgatt gggagatttg tgtacaacct gacgggtatt 240
 ttcagtaact cgcttacgcc gcggatgatt gctgcttctt gtgagttgca ccactcttta 300
 gtgtaccgaa atcgtctga 318

<210> 5722
 <211> 237
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (50), (59), (92), (114)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5722
 ctgaacccaa caaccaacac atcgttccac ctcatctatt tcgtccattn taagagggna 60
 aaaagtgcc aacactgcac cttaatcacc tncaaactt gtgccaatcg gcgntgtctc 120

ttcgcacata gggtaattct ctctttggac gaagaccccc tcttctcacc tacagcgacg 180
atcatcagtc ctcagacgca agtattcccc accagacgaa atggattcgc aaactag 237

<210> 5723
<211> 573
<212> DNA
<213> A.fumigatus

<400> 5723
ttgactcggg agctccacga tttggagttg tggaatgggc ccaagtgtgg tatccatgga 60
tgcgagaacc aaaggaacaa gtgcttggtc ggcggatatc cgcataacca tttgcaactct 120
ggtttcaact tcgctttgca attcgtccgt cccttttctt ttcagtttc tttcctatct 180
tttttttttt tttttttttt ttacggccgc accacaagca agatacctct gaagtttatt 240
ctctttctgc atgtggaggt ttccgtcatg gttccttttt tttcttctct ttcacogtgt 300
gtttctccaa tgttcaagag cagggtcatg ccattcatgg gtgggaggtt ttctggatta 360
gcaactgcatt ctaacagctc gctgtcccg cagcttgagc tttccgataa tacatcatcc 420
catttcgata cgtatggttt caacagtatg atacgataca atacgtatct cccacacggt 480
gtcctgtcag cttttactaa ggctgtccac cacaagttca taactacagt ggaaccaaatt 540
aagcaccogt ttgagagact acaattctcg tag 573

<210> 5724
<211> 537
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (51), (67), (90), (95), (149)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5724
ttgaccacgc ccttcattcc caacgaactt gacgggggttc ccgcagttgt nggtacgtca 60
ttcaatntga tccactttct ttccaatttn tttgntcctt actttcttgt aacctccaag 120
tctattctcg agcagctgaa cgcgcctnt ggagtcattc catctctcga tgaactcaaa 180
gatggctgga aaccagtggt cctgaaggga ggccacaaga tcggttaaggc caaatatctc 240
ttctctcgca tcgacccgaa gaaggccgat gaatggcgtg agctcttcgg cggttctcag 300
gcagacagac agaagaagga ggatgaagct gccaaagctg ctgccaagaa ggcagccaac 360
aaagcgagca aattgaagaa gaaggagaag aaagcggcac aggcagctgg aactagtgtt 420
gaggcttcgg ctaaggaggg tgctgaggtc attgatacta ctacggaggg gaagaacgat 480
gaagcgggtg agaaggttgt cgatggcatg gccaggtca cgatcccaac atcctga 537

<210> 5725
<211> 183
<212> DNA
<213> A.fumigatus

<400> 5725
gtactacgta ggcacagat gtttagtggt tgtacggagg agagtcttcc atggcgtcta 60
cctgccgcga ccgtccttga gatgatatat aaaatcgctg tctgcagagt agtatcgact 120
tgccccatcg ttaccccta ttatcccgct aaagaagata ttgtgtcgct aactatttgg 180
taa 183

<210> 5726
<211> 402
<212> DNA
<213> A.fumigatus

<400> 5726

ttcgcgtaca	cgcgcgtcaaa	gactttttgtg	tcatacactg	cttttcctcc	tagtccggcg	60
ctggttgtct	gtttaattat	accaggaact	tgttgaccg	gaaacctaaa	ccacttttat	120
tgtttatcat	ccgtgtgct	catagtgtgt	gttcattcgt	tcttcaccac	ataccgcgca	180
agccacgacc	gaagaaaaca	gaagagaaaa	gggctcaccg	ttcgaatgtc	gttattcggg	240
aacgtcggcg	ctacgtcgac	aacagctggt	caaacaaaca	ccacaggcga	tatctccaaa	300
gatgtaccgc	tcagctcgcc	gcccgaagac	ggcatctctg	atcttcggtt	ttctctcgca	360
agcgaacatc	tcgcggtacc	ttcatgggaa	cagaaagtcc	gc		402

<210> 5727

<211> 309

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (189), (236), (278), (280), (296)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5727

aattactttt	gcgacacaatt	tcagaccgaa	tctgcccgt	ctgctttgag	ctctttcaca	60
tgtactcttt	gcaataaatc	ttactcggc	catccggaat	atgaagctca	tatctcttcc	120
tacgatcatc	aacatcgcaa	gcgcctacaa	gacttgaaac	aattgtcacg	agatccgaat	180
gctgctgana	aggcaaggaa	ggccgagaga	aaggcaaatg	caaaggcagg	actganagta	240
atcggggacg	actcccgcac	caggaaccgg	ggggcacncn	gttggggaag	agggtntaag	300
atagggaag						309

<210> 5728

<211> 1494

<212> DNA

<213> A.fumigatus

<400> 5728

ggccaaaaga	ttccttcaga	cgatgcgttc	cgccttcgcc	ataatggcat	ctgcgaggtt	60
tgtggaatcg	aaggatgatga	tggccttaga	ggctcctctg	ttttctgtca	gggctgtact	120
agtgcctatc	accaagcttg	cttaggcccc	agatcgaatc	gtgatcatct	agtcaccaaa	180
gtcgctgatg	aacagtttgt	cctccaatgc	cggcgctgca	taggagtctc	ccatgcgaag	240
gaccccatat	caccccatca	aggctgttgt	atgaaatgta	acaatcaagg	caagatgtcg	300
aagcctctcc	gcgagcgctt	gacaccgaag	caagaacagc	aaattcgcca	ggacaatggt	360
gggaaagacc	cgattacccc	tgtgggcatg	actactgtca	acaatgtgga	caatgtgcta	420
ttccgatgta	cggcctgcca	cagagccttt	cacttcgaac	acttacctcc	aatttccgat	480
atgactgatg	atcctgcaac	ggctcgcttt	gaagaatact	cctatacttg	gaagtgccac	540
gattgtcat	cagtcctccg	cgagatcggt	gcggtagttg	cgtggcgacc	ggcagacccc	600
caaaatcatg	ttgctgggta	cactgcggac	ggggtgaatg	aagcggataa	ggaatatctc	660
atcaaattgga	aggggcattc	ctaccaccat	acgtcatgga	tgcctggcag	ctgggtctgg	720
ggtatagtta	gtccttctat	gcgaagagct	ttcttcgggt	cagagaaaaa	tttccagccc	780
catatgacta	tagaggaagc	gatccctgaa	gatttccctac	gtgttgacat	tgtcttccaa	840
gtgtgctatt	cagaagaagt	ggaagagcga	agcctcgagt	cagatcttca	gaggattcac	900
aaggtgacca	gggcgtacat	gaaattcaaa	ggcctgccgt	atgaggaagc	ggagtgggac	960
tctcctcctg	atcctagcca	aactgaacga	tggatgatt	tcaaggctgc	ctatgatgac	1020
tgggttaaac	gtgattacat	ttatatgcca	gagccaaagg	cacttcagaa	gcatcttgct	1080
cacattcggg	agcaaaattt	cgagtctcag	attgtccgag	acactcagcc	tgagacaatg	1140
accggggggc	agctaattgga	ctaccagaaa	gatgggggtga	attggctata	ctacatgtgg	1200
tttaagcaac	aaaatgccat	ccttgacagc	gaaatgggac	taggaaagac	tattcaagtt	1260
attggctttt	tcgcgactct	cagtcctgtac	cacaagtgtc	ggcccttctc	tgttgttgtg	1320

ccgaaatcca	acctggtcca	aattggcgca	aggaaatcca	gtcatggggt	tccccccacc	1380
cgcgttcgtc	acttttttac	ggttcatcac	tgcgccggca	agtttgggtc	ctggatcacc	1440
aacctgttcc	ccccttggct	cgaaccaga	ttcttccgaa	tgtctgggtg	ttag	1494

<210> 5729
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5729	
gacttttggc	atatatcttt cacaatgggt aaaaagagac gtggcccaac acttgaagag 60
ctgctgggtc	ggccgtgggtg ttattactgt gagcgtgatt ttgacgacct caaaatcctt 120
atatcacatc	agaaggcgaa gcattttaaa tgcgacagat gtagccggag gctcaacacc 180
gcaggagggtg	agtcagtaca gcacatgtag 210

<210> 5730
 <211> 600
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (135), (285)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5730	
tctgatgtca	agccctgcga ccggtattca cagagccatg gacacgttac tgctgggtgcg 60
ggcgattttg	ctcctgagca cgagtcggaa tacgtgcagc acgacaatac gggttacggc 120
gcctttcggga	gttcntacac ctacaccacc aacacctcgt ttggtagtct cgcaggcgag 180
cactcgcagc	tgacaaacga catcacgggt tccccgcagc agaacgggtc tggacgtatg 240
actccacgca	cagggtgggtg gctcctcctc caatggggtc caggntacgc gtctcctcga 300
ccaactgctg	ccagtagtct gtataacatt gtcagcgaca cccgcgggtc atcgaacgga 360
gctggctcag	aaaaatacac tgtggcctcc aacacggcgc cgacatactc catgggcgga 420
tcgttgggat	ctggcaagcg gggacgggaa gacgacgaca tgggcccggc ggacagccag 480
ggagattacg	aaagcaagcg ccgacggacc aatgaaacaa ctggtggcgg accggttggc 540
ggagtgttgc	taggattaca gccgatgaaa gccggagggtg ccatgcctcg tcgtcgatga 600

<210> 5731
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 5731	
aagacagcca	ccccgcgga cattgaccac gaatacatgg agatcgttgc atcctctcag 60
gagagcaagc	ccagttctcc cattgagttt gtcaagatcc tgatcggtcaa gggcggccga 120
cccggctcga	atctgggtcg acgggcctgg ctttgtgtgt ggcttcagat catggcttcg 180
tggacgggta	ttaccgtaag tctatgcgtt ccgcaagaag tcttggggta a 231

<210> 5732
 <211> 804
 <212> DNA
 <213> A.fumigatus

<400> 5732	
aagcttacaa	tgatcacagg ctgttaccgc gtattctccc gtgcttctca gccaaagccgg 60
gtacagcgag	gtgactcaaa acgggtctcg cggaggactg aacacgatcg gtattgtcgg 120

caogatcatc	agtgcgcaga	ttgtcgatcg	actcggccgg	agaaagtgtc	tgatgctagg	180
gtccatgggc	ctgtttgctg	tcgagcttgt	ggtaagtctc	cgccatggcc	gtccaacctt	240
ttgagagcag	gattaatcaa	atcatcgttg	caggccgggtg	gcgtgtatga	aggctccctt	300
cagaatccga	gcaaagctgc	acagtatgca	ccagccgccg	tggcaatgct	cttccctctt	360
aacctggggg	atgctgcaac	ctgggggaacg	gtggcccttct	tggtgcccac	cgaaattttc	420
ccatcggatc	tgagagccca	aggcaacggg	ttcggtatca	cgggttgggc	tatcggagtc	480
ggcatgacta	ccttagtcaa	tcccatcatg	tttggcagtt	tgaagagccg	cagttacttc	540
ctcctctccg	ggctcaacct	tctctggatc	cccattgtct	acctgctata	cccggaaacg	600
tgcaatcggg	ccctggagtc	gacgcacgcc	ttgttctcca	cgcccagccc	gttctactgg	660
gacatggagc	gagcatacaa	gcttcatagt	gatgtgctcg	cggagagagc	agcgcggaag	720
ctcactgacg	aggatgcgac	aaaagccgat	ggtcacgaat	cagcccacga	ggaattccac	780
ggtgcaacca	ccgtaggtgt	atga				804

<210> 5733

<211> 231

<212> DNA

<213> A.fumigatus

<400> 5733

tcacaggctg	ttaccgcgta	ttctcccgtg	cttctcagcc	aagccgggta	cagcgagggtg	60
actcaaaacg	gtctcgccgg	aggactgaac	acgatcggta	ttgtcggcac	gatcatcagt	120
gcgcagattg	tcgatcgact	cggccggaga	aagtgtctga	tgctagggtc	catggtcctg	180
tttgctgtcg	agcttgtggg	aagtctccgc	catggccgtc	caaccttttg	a	231

<210> 5734

<211> 183

<212> DNA

<213> A.fumigatus

<400> 5734

ttcatccggg	ccaatacaac	cagcccgcga	agaagaactc	agtatgacct	gtcatggaga	60
agcccagagc	aaccagatat	tgaccacctt	cgacgccgta	actgccgcat	taattcctgc	120
ctcgcagtgc	gccagcgcaa	gctgaaatgc	aaccgtcaac	agccctgtgc	gaactgcgcc	180
tga						183

<210> 5735

<211> 189

<212> DNA

<213> A.fumigatus

<400> 5735

gatacggaag	tcaccaaadc	taccaaaccg	gggtcgggat	cgccagagga	ggacgtggat	60
gatatgctcg	tcgcctcact	tgaattaact	ctactgggga	ttcaggatgc	agcatacgat	120
catgaggaag	atgatgactc	ggatgacgat	ctatatgact	tgggattccg	atttggaaaa	180
tgcgcgtaa						189

<210> 5736

<211> 639

<212> DNA

<213> A.fumigatus

<400> 5736

ccgatgttag	actttccatt	cccgatgtat	ggatcctatg	acgcgctagg	tctcgatgga	60
ttttcatgta	tggatcgata	cacccgcttt	ggtgcatacg	gctattccgg	gacggattct	120
cagttacaag	gcgccagacc	actgccccct	gtggactgga	aaaaagtga	ttggagaacc	180
ctgcaagagg	aatgctttga	aaggaaactct	gacagatacg	agtcggctca	acagtccttg	240

agcatgcaact	ctctgccttt	gacttcagtt	tctcacgaga	ctcttccccg	atacagcaga	300
ctagaccaat	ccctcccgca	attcaagccg	aggcccgag	tcattttgcg	agcgtggcat	360
gacatgcctt	ggaccgagaa	catgaagcat	tatgtgcggt	cactggatgat	ggagctttca	420
ttgcatacag	ggtcggagta	ccaagttttt	atcctgacac	atgtgaagga	caacaacata	480
ccgatatacg	cggtaaattg	ggacgataat	gctcagcgac	tgaaggaaaa	gtatatgccc	540
aaggagtttc	acgacatgac	tatccttttc	aacgatcata	ctttggaatc	ctggtatcca	600
gccatagaag	agcataggta	tggtcttgcg	acgccataa			639

<210> 5737

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5737

gacgcgccta	gtcgggtcagg	ggatgctctc	atgggtcctt	gcttcgggtt	ctccgactcc	60
caacgcacca	gcacatcaat	cgaagactat	ggtaacgggt	cgtgtgtgca	aaaacgtgct	120
cggctctctt	tcaaaagggtg	cacaagaaac	actggaggtc	aaactgcgat	tggtgccagt	180
acctactggt	ttgcagagt	a				201

<210> 5738

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5738

ctggctaact	ccagtcctac	gagtatcaga	tcgtctaagc	agtacctgaa	tgacttattc	60
aagacctcct	cctcccccg	cgtcgcctcc	gccccctcct	cctcctcctc	ttcctcccc	120
accgccacca	ccacccttgc	ccttcctagc	agaggatttg	ttgcacatct	aagtaagtta	180
gtcgtatggtc	atcagtgtcg	attgccgcag	caaagacata	tacaacttac	tttgagagagc	240
ccggttttga	cgatggaaat	gaataagcaa	aaaacgcgta	ggtgtgtgtc	ctactcacgg	300
ccctag						306

<210> 5739

<211> 1122

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (753)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5739

agagtttctt	catatcgacc	ctcttttctg	tttcacttta	tttcagttcc	tcgttgccgg	60
actacacgac	cacgctcgac	tccggcttgt	tcagtcattc	ccatggatga	ccttcacaa	120
cacatcactc	cccgcgggtca	tgggataaac	actacctatg	tttacgagta	ctcgagaggc	180
cttgggtggg	tcaatgttcc	cagagatgtc	ataatcacgc	ggatcatcta	ctgggtctgtt	240
attattggag	ccttggccgt	tttttgccgc	aggattgccc	agatcagcca	tgccatctta	300
cgacatgtta	cctctttgac	ggctagtcaa	agacagcaaa	tggtctggag	gtcgcaggag	360
tcacgattgt	gggcaaacat	taagaagcac	cttctctacg	cacctctggg	tcgcaaaaga	420
cacaatcggg	aaatccagct	ctcttcggcg	attaatgtgg	gcaccctgcc	gtcgaggttt	480
cactcgatcc	tgattctgct	gtatgtggca	agtcagggtg	cttattgctg	ctttttggat	540
tatgctgtga	atgagaaaagc	ggccctcggtg	gccgagcttc	gcggccgggtc	gggcactctg	600
gccgtcctca	atatggtgcc	gctgttcctc	ctggcggggtc	gcaacaatcc	cctgatccca	660
ctcctgcaca	tcagtttcga	tacgtacaat	cttttgcacc	gatggctggg	ccgaatcgta	720
gtactcgaga	gcgtgggtcca	cacagcggct	tgngcagtc	atgcctgcga	tgaagaagac	780

ttctctcgca	tgctggtacg	actcaccggt	gaccccttct	tcacctgggg	gtttgttggg	840
accgttgoga	tggtcttctt	gtgccctcca	atccccctcg	cccgatccgc	atgctttcta	900
cgagaccttc	ctacatctgc	atcagcttgc	cgcgctcctg	gccctccctc	ggcgtctatg	960
ttcaccttgg	aactggacaa	gcttccccca	gatccccctg	gccctggcca	ttggcgcttt	1020
ctggctgttc	gaacgatcag	cgcggctggt	ccgcttgctg	tacctcaact	tttcaactca	1080
aaagggtcca	accaaactgg	tcgtcgaagc	gttgcccggg	ga		1122

<210> 5740

<211> 549

<212> DNA

<213> A.fumigatus

<400> 5740

cccctgcaag	gtgaccttcc	acttgccgaa	gcatgtccgc	atcaaccctg	gcggtcacgt	60
ctacgcctac	atcccgagcg	tctccctttg	gatgtcgcac	cccttctcaa	tcgcttgggt	120
cgaaccaaac	agttgcgtga	ctccttcagc	cgcgcccagc	aacgtaatga	gtcccatgac	180
gccgtcactc	ctggaaaagc	agaacctctt	gcacttggac	gagtacatga	ggggcactca	240
acccacctcc	gtctctctca	tcgtcggcgc	ccgccaaagg	atgaccgcga	agctctacaa	300
caaagccctc	gocgccccgc	agcagacctt	ctacaccacg	ggctacatcg	agggccctta	360
ctcctcccac	gcgtccaaca	tgggcagcta	cggcacgggc	gtcctcttct	ctgctggcgc	420
cggcatcaca	caccacatgc	tcttcgtgcg	cgacctcatc	atccgcgcct	ccgagggccg	480
cgtcgcaacc	cagcagatct	acctcatctg	gtccgtccgc	aacacagaac	acctcacctg	540
ggtccgtga						549

<210> 5741

<211> 1032

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (32)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5741

tactcgagag	cgtggtccac	acagcggtct	gngcagtcaa	tgcttgcgat	gaagaagact	60
tctctcgcat	gctggtacga	ctcaccggtg	accccttctt	caacctgggg	tttgttggaa	120
ccgttgcgat	ggtcttctct	tgccctccaa	tccccctcgc	ccgatccgca	tgctttctac	180
gagaccttcc	tacatctgca	tcagcttggc	gcgctcctgg	ccctccctcg	gcgtctatgt	240
tcaccttggg	cctggacaag	cttccccccag	atcccccttg	ccctggccat	tggcgctttc	300
tggtctgttc	aacgatcagc	gcggctgttc	cgtctgtgtg	acctcaactt	ttcaactcaa	360
aagggtcaa	ccaaactggt	cgtcgaagcg	ttgcccgggt	acccctgcaa	ggtgaccttc	420
cacttgccga	agcatgtccg	catcaaccct	ggcggtcacg	tctacgccta	catcccagac	480
gtctcccttt	ggatgtcgca	ccccttctca	atcgcttggg	tcgaaccaa	cagttgcgtg	540
actccttcag	ccgcgcccga	caacgtaatg	agtcccatga	cgcgcgtcact	cctggaaaag	600
cagaaccctc	tgacttggg	cgagtacatg	aggggcactc	aaccacacct	cgtctctctc	660
atcgctggcg	cccgccaagg	catgaccgcg	aagctctaca	acaaagccct	cgcgcgcccc	720
cagcagaccc	tctacaccac	gggtacatc	gagggccctt	actcctccca	cgcgtccaac	780
atgggcagct	acggcacggt	cgtctcttct	tctgctggcg	ccggcatcac	acaccacatg	840
ctcttcgtgc	gcgacctcat	catccgcgcc	tccgagggcc	gcgtcgcaac	ccagcagatc	900
tacctcatct	ggtccgtccg	caacacagaa	cacctcacct	gggtccgtga	ctggatggac	960
cagatccttc	gcctccccgg	cgtcttcacc	acggggctgg	aaggatccga	cgggtggcgt	1020
agcaatcaag	cc					1032

<210> 5742

<211> 513

<212> DNA

<213> A.fumigatus

<400> 5742

caccccgac	ccccggagcc	atccgcccac	tcctactcta	cgttctcccc	tcttccctat	60
ctacttttcc	ctgctcctct	ccgacctcct	ctccccacac	ctccgcctcc	gggtcccacc	120
atcatgacgt	actacccctc	gttcaccgcc	ctatctttcc	cttccttacc	atcatctacg	180
cctccctcta	gcctcatcta	cgaactccgc	accgactacc	accctatttc	cctcacctcc	240
cttcttatct	tgtactcacg	tccttacctc	gttcgctctc	acttcgctac	cttctctcat	300
taccactat	ttctttacc	taccgctccg	tatcgacgtt	acgtacaatg	tcaccactgc	360
atcgtaacct	cctccctcgc	tcttcgccct	gtatccctct	ttcccaccct	tcttaccctc	420
ctcactatcg	cttgctatct	aagtttgac	gcgatgcatg	ctagccttct	ctatcgctcc	480
ctagccatac	ttcacgtatc	tatctttcgc	tag			513

<210> 5743

<211> 573

<212> DNA

<213> A.fumigatus

<400> 5743

cggcgcccta	tacagttcca	agcgctggct	cgaagatct	tggataccgt	tctccctcca	60
atcgaggat	tcaagaccgt	cggtgcgcgc	gcgcggcgcc	cagcaaggcc	cattggggag	120
aagaaagctc	ctccccgat	caaggtaact	ggctctcca	agcccaacc	cagcaacgca	180
cgtgctgcat	caccggtggt	tgcacgggca	ttggagatcc	tggctgcgga	ggcgggtctg	240
tccgaggctg	aaatgaccga	cagtctcaac	ttcgccgact	acggggtcga	ctcgctgctt	300
tccttgacgg	tgaccggcag	gtatcgtgaa	gaactgaacc	ttgatctgga	atcgctccgtg	360
ttcatggatt	acccgaccat	caaggatttc	aaggcctacc	tggccgagaa	gggcttctgc	420
gacagcagca	gtcccagacc	gtccagcgag	cccaggtcca	agttctcggt	caacagcgac	480
gcatcatccg	aagcttccag	cggacttacc	actcctggaa	ttacatctcc	tgtgaagcat	540
gaggcgccca	agggcggaca	gtcttccacgc	cgg			573

<210> 5744

<211> 765

<212> DNA

<213> A.fumigatus

<400> 5744

ggacgcggtc	cttccagccc	cgtcgccaag	agacacttga	tcacagaata	caaaccagag	60
taccagggcc	taggtctgga	cgtgtgcgac	atgactgtgc	ccaagcctct	catagccaag	120
tccggagatc	aattcttcag	agtctcggcg	gtgatgagct	gggccgagca	gaaggcgagc	180
gtgcaagtct	ggtctgtgaa	cggagacggc	aagaaaatgg	ccgagcacgc	ccattgcact	240
gtcaagctct	tcaactgcgc	cgagcgcgag	acggagtggg	agagaaactc	ctacctcatc	300
aaacgaagtg	tctctctcct	gcaggacaag	gcgcagaccg	gcgaggctca	ccgcatgcag	360
cgaggaatgg	tgtacaagct	gtttgctgct	ctggtggact	atgacgaaaa	cttcaaggcc	420
atccaggaag	tcatacctgga	cagcaatgag	catgaagcca	cggcgcgagt	caagttccaa	480
gcccctccgg	gcaacttcca	ccggaacccc	ttctggatcg	atagtttcgg	gcatctgtct	540
gggttcatca	tgaatgcgag	cgatgcgacc	gactccaaga	accaggtatt	cgtcaaccac	600
ggatgggatt	ccatgcgctg	cctgaagaag	ttctccggcg	acgtacata	ccagacatat	660
gtgaagatgc	agccgtggaa	ggactccatc	tgggcgggtg	acgtctatgt	ctttgaaggg	720
gatgacatta	tcgctgtgta	cgggggggtc	aaggtatgtc	tctaa		765

<210> 5745

<211> 687

<212> DNA

<213> A.fumigatus

<400> 5745

gccccccatc	ccccaaactgg	acagcctgct	gtcttccagc	cccgtggtga	agacggccgg	60
ccgtcgtctg	cccactcggc	tcagggcccg	agtcttccct	ctcctattca	gaaccgtccc	120
tcaatgtctc	ccaccaggg	caatcatgat	gttggtccgc	ttgcgggggtt	tccacctaca	180
gggtccctcg	acgggtcagc	tccctggacg	ccctttggac	cacatcgagc	ggctctgtgg	240
cccgacgttg	gtaacaattc	ctccctttct	tcgatccaca	gcggtcggcc	atccttctcg	300
gcagaaactc	ccagtggcag	caggtcctcg	ccccgcaga	gctcgcatgg	cgtgccattt	360
tctggaatca	gccccaccaa	acagtctccg	cgacccatga	cctcgggcag	cctttctggg	420
gcaccaattc	ttcttccaat	tcagaaactg	gagccgagcc	ctaagttgat	gggcagaagt	480
tccctgacg	ctcccatctc	acctccagtg	aaatctatga	ctcctgaaca	ggaagagcgt	540
cggcaaagg	aaaatgctct	gatgttccag	tctcagcctc	actctctatc	taatggccag	600
tattccgcca	tgtcatcccc	ttcgctcaat	cggatacctc	ctttaggccc	atcagctctt	660
agtcggaaca	acgaaccaca	gtcatag				687

<210> 5746

<211> 1830

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (60), (1509)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5746

cgcttgagga	caactgtcag	tgccacgatg	gaggctcatc	gtggacgcca	gcaccacagn	60
tgcgatccat	gtcgggaagg	gaagcggg	tgcatgctgc	ctgctcgtag	agaccggcac	120
gcggacgccg	gcagccgaag	ggtgctagca	gagagcaacc	tcaacatccc	gtgctcgaac	180
tgcaggaaat	acaatcgaga	atgcacgttc	aactgggttag	tcgagaaccg	cgccgccgca	240
cgggcgggtc	gaaagcagaa	gagccgtaat	gtgagcaact	tgctcagagc	ggacgacgtg	300
agttcgagtc	gctcgggaac	cgacctgctg	gacgatctgc	ggtactcctc	gtcgtggcta	360
tccaacagtc	ctgggaatgg	ggtgtcgtcg	aacggttcga	cggaggacca	gcccgggacg	420
tggtcgatgc	cgtcgaatgc	cgtctcgata	ccgctgagaa	gcaaggagtc	ggaactcgat	480
ccgttcagtg	tcagtctgtg	gaatgcaaat	acagcacacg	taccgccgag	caatgccgaa	540
acggcgggct	cggctgagga	cacttgttgc	agtctggact	actaccagca	gagcttgtcc	600
agttcgggat	cgcactcgct	cgacgagacg	ctagatctac	ttcaacagtt	cgatgattcg	660
agtgcaggat	tgagttagctc	gtattactct	tgcgccctcg	gctttgtgat	tccggaaggt	720
agtgcaggat	taccgacatt	cccggcagac	agtctctatc	cctccgggaa	caaagatagt	780
ctatttgttc	tttccgataa	catctcagac	agctatgccc	gctcgatgat	gacacagaat	840
cttatccgca	tataccatga	cagcatggag	aatgcgttgt	cctgctggct	cacggagcaa	900
aactgtccct	acaacacggc	agtcccgtac	acctcaccga	gcgggctcgc	cagtaaggca	960
caagcggcat	gggccccgaa	ctggacgaac	cggatctgta	ctcgggtctg	tcggctcgat	1020
cgagcgtatg	catccgtccg	tgggcgaaac	ctcagcgccg	cagaagagaa	aatggcatcg	1080
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agttcggcag	agcagagcaa	gatcgatctc	gccagtatgg	atatgccgtc	gccacagacg	1500
gatgcgttnt	atgccgaccc	ggagcaccag	gaaaccgtga	acctcctgtt	ctggctgggtg	1560
gtactgttgc	acaccctgca	ggcggccatg	tatcagcgtc	ccctcgccat	ctccgacgag	1620
gacagccaga	tcacgtccgt	gtcaccggcg	gtctccaacg	ccaaaccgga	cagcagcgtc	1680
gacctcgacg	gctggaacat	cacgtactcc	cgcgccctga	aagagaaaca	agacctctgg	1740
ggcgacttct	tcttccacaa	acgcgcccga	cgccaggggc	cgaaccaccc	cgtcttcaac	1800
cgccgaggca	gccaaggata	tcgcgcttaa				1830

<210> 5747
 <211> 576
 <212> DNA
 <213> A.fumigatus

<400> 5747
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 cggagcaaaa ctgtccctac aacacggcag tcccgtacac ctcaccgagc gggctcgcca 120
 gtaaggcaca agcggcatgg gccccgaact ggacgaaccg gatctgtact cgggtctgtc 180
 ggctcgatcg agcgtatgca tccgtccgtg ggcgaaacct cagcgccgca gaagagaaaa 240
 tggcatcgag agcgtctccac accgccatca tggcgttcgc ctcgcagtgg gcgcagaaga 300
 tgcccagaag caatggcttt tctcttacct cgcccgctgc gcagcacgag cgtgtcatcc 360
 gggagaatct gtggaaccag gcgcggcgtg ctctggagaa tgcagcgggt atcccttcgt 420
 tccgggttgc gtttgcgaaac atcatcttct ccacgcgaca gcgtccgctc aatgtcgatg 480
 aggacatgga gctgcatgag ttgctggaga atgacagcgc gccgttgctc atggaggcgg 540
 cggtgcgaca gctgttttca atccgatata aactga 576

<210> 5748
 <211> 507
 <212> DNA
 <213> A.fumigatus

<400> 5748
 gacgaatatc ctctgggtcca ttctggatct gagaatcaac ctttgcacac tgcgatcgac 60
 gtacaaacca aaataatggc aactatacga cggttacagc aaactctttc acaccttcgg 120
 ccgcaaaagg ctccccaact gctgtcgatc gtcgaaggcc caaccaacc agaactacta 180
 gatattactc tcggtgaact tcttaccctt cagagcctgc aatacggcga ctatgagtgt 240
 ctctgttttc cctggactgg cgcgcgctgg acctacaccg atctgaagga tgaagcggac 300
 cgggtggctc gtggcttgct ggccatgggg attcaaaagg gcgatcggat agggattatg 360
 gcgggtaatt gcgagcagta tatctcgggt ttctttgccc ctgcgcgtgt cggggcgatc 420
 ctggtggtgc tcaacaatac ctatactccg tccgagctgt attatgctct cgggcacaca 480
 ggtatgtact acctgcagca ttcctga 507

<210> 5749
 <211> 351
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (194), (210)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5749
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 attatcattt tacgaggaca atacacgggt ttcagcacat atgaacatgt tatccagcgc 180
 ggtttaccgc tcncagcca tgactgcan gaccgagaag cggagctcca ttctacggat 240
 gtctgcaacc tgcaattcac cagcggtcgc acagggaatc ccaaagccgc catgttaaca 300
 catcaatacg cttctcgagc tactggcatg aaagcagcta attcggcata g 351

<210> 5750
 <211> 552
 <212> DNA
 <213> A.fumigatus

<400> 5750

ttcaatgtgg	aaatcgaaga	tacggacatt	ctcagggagc	aactgcggat	atggaggaca	60
tgcgatgcaa	ttgaaaatcg	accgccgcca	ttgattatcg	agacatactt	ggagacaaa	120
ggactcacia	acaatcagag	cctcgtgatc	ctggatgaga	atgggaagag	atgggatgtc	180
ctagaagcgc	ttactgcttc	tggtcaggcg	agtcctgtga	ggccaccgca	ttcaaattct	240
gatgatgtca	tcctcgagcg	ttggagagtt	gaactgggtt	ctgcatcatc	caaaccaccc	300
tccgaccttg	gctctatcct	tccgaccgta	tacaagaaaa	gtattgtcct	cttcgcgtct	360
ttgttcacat	attccaaatt	tctgcccgcg	tggaggtttg	caaagcgcaa	tggagggctt	420
cgcagcaacc	cggctttaca	aatcagatat	agaatcctag	acgggcgcac	ggcttcggat	480
cgcgcgcaag	tgcaccactt	gactgttccg	tcttcaccac	agcggcgaga	tccgctatgg	540
ttagaccccc	cc					552

<210> 5751

<211> 930

<212> DNA

<213> A.fumigatus

<400> 5751

atagtctcag	gatataaccc	cctcacacct	cctaacctcc	tccaacatga	aatcgccatg	60
acagagaagt	ccaggcaaac	ggtactggaa	gctcgtcgag	aggctgttgc	gattgtccat	120
ggcacagata	ccgacaagca	gcgtttgctg	gttggttatcg	ggccatgctc	gattcacgac	180
cccgcacatg	cgtctgaata	ctgcgatttg	cttctgaaaa	tgaaggagaa	atacaatgac	240
gaattgctga	ttgtgatgcg	cgcgtatctc	gagaagcccc	gcacaacagt	tggatggaag	300
ggtatcatca	acgatcccga	tatcgacaac	agcttcaaga	tcaacaaggg	tttgcgccacc	360
tcgcgtcagc	tttttgtcga	tttgaccaac	aagggcgatgc	ctatcgccag	tgagatgctg	420
gatacaattt	ctctcagtt	ccttgccgat	tgtctctctg	tcggtgcggt	tggggcgcg	480
acaaccgagt	cgcaggtcca	ccgtgaattg	gcctccggtc	tttcttttcc	cgtcggtttc	540
aagaatggta	cggatggctc	gttagacgtt	gccgtggacg	ccattggatc	cgtcaagcac	600
cctcatcact	tcctttccgt	tacaaagcct	ggtgtggtct	ccattgttgg	caccgtgggc	660
aatcccgaat	gtttcgtcat	ccttcgcggt	ggaaagaggg	gccccacta	cgacgctcag	720
agcatcgccg	aagccaaggc	taagttgacc	tctaaaggct	tgctcctcgt	tctcatggct	780
gactgcagcc	atggaaactc	gcagaagaac	cacaaaaatc	aaccaaggt	tgctgccgtt	840
ttggccgagc	agattgccgc	gggagagacc	gctatcatgg	gtgtcatgat	cgaaagcaat	900
attaatgagg	gtaagccgca	gttcacatag				930

<210> 5752

<211> 444

<212> DNA

<213> A.fumigatus

<400> 5752

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agttcatgtc	tcacactatg	tgaactgogg	cttaccctca	ttaatatgtc	tttcgatcat	120
gacacccatg	atagcggctc	ctcccgcggc	aatctgctcg	gccaaaacgg	cagcaacctt	180
gggttgattt	ttgtggttct	tctgcgagtt	tccatggctg	cagtcgacca	tgagacgagg	240
aggcagacct	ttagagggtc	acttagcctt	ggcttcggcg	atgctctgag	cgtcgtagtt	300
ggggcccttc	tttccaccgc	gaaggatgac	gaaacagtcg	ggattgcccc	cggtgccaac	360
aatggagacc	acaccaggct	ttgtaacgga	aagggaagtga	tgagggtgct	tgacggatcc	420
aatggcgctc	acggcaacgt	ctaa				444

<210> 5753

<211> 681

<212> DNA

<213> A.fumigatus

<400> 5753

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gtggacctgc	gactcggttg	tccgcgcccc	aaccgcaccg	acagagagac	aatcggaag	120
gaactgagga	gaaattgtat	ccagcatctc	actggcgata	ggcatgccct	tgttggtcaa	180
atcgacaaaa	agctgacgcg	aggtgcgcaa	acccttggtg	atcttgaagc	tgttggtgat	240
atcgggatcg	ttgatgatac	ccttccatcc	aactgttggtg	cggggcttct	cgagatacgc	300
gcgcatacaca	atcagcaatt	cgtcattgta	tttctccttc	attttcagaa	gccaatcgca	360
gtattcgagc	gccatgtcgg	ggtcgtgaat	cgagcatggc	ccgataacaa	ccagcaaacg	420
ctgcttgctg	gtatctgtgc	catggacaat	cgcaacagcc	tctcgacgag	cttccagtag	480
cgtttgcctg	gacttctctg	tcatggcgat	ttcatgttgg	aggaggttag	gaggtgtgag	540
ggggttatat	cctcgaaacta	ttcatttgca	agaaagctcg	tcaatgaagg	tcgaggagat	600
cggggcaaaa	agggacatac	tccgcgaatc	ttcgaggtgg	tcactgttcc	ctacattagg	660
gttttcgata	aagaactata	a				681

<210> 5754

<211> 585

<212> DNA

<213> A.fumigatus

<400> 5754

ggatacgcctg	ttttcaagga	taatatacgg	attcctttgc	gcccattcct	gggttgtatc	60
ggcctggctc	ctgcaacaga	cgaggacttg	tctacggttc	ctccgacaaa	cgccggagggt	120
aacctggatt	gccgtgactt	gaccgtcggg	tccaccctat	acctgcccgt	gcaaacggac	180
ggggctttat	ttagctgtgg	ggatggccac	gctgctcagg	gccacggaga	agtatgcggg	240
accgcaatcg	agacctcaat	caaggctacg	cttcgattcg	aactatgcaa	ggacatgccg	300
tgggtgacga	gtccacaata	tgagaccccc	cccagcctgc	tgacaactag	aatgccggta	360
tttggccaat	acgcaacaac	cgggtgtcggc	caaacgcttc	acgaggcctc	caaaacagcg	420
gtccggaaca	tcattcagtg	gatggtggcc	accaagggct	tgactcattg	tgaggcatac	480
atgatagcca	gtgtagcagg	cgatctacag	atcatcgagg	cggtaaatat	gcctaactat	540
gtggtggcaa	tgacaattcc	gttggagata	tttggcccaa	gtag		585

<210> 5755

<211> 471

<212> DNA

<213> A.fumigatus

<400> 5755

agtgcattga	acactaaaca	acggcaatat	atctttcttg	accacatgga	ttccacattg	60
gaaggtctga	acagcgctca	aaaagccgca	gtaacttctc	ctgcttcctg	cttgcaagtc	120
ctcgctcctc	ctggctcagg	aaagacgaag	acattgaccg	cacgcgtcgc	gtatctccta	180
tctcattatg	gataccaacc	gcaggatgtc	atctgctgca	cgttcaccat	caaagcgagt	240
cgtgagatgc	gagaacggct	tgcgagctctg	gtaggcaatg	aagtacaatc	tagactgatt	300
cttggaaactt	tccactcaat	atgccgtcga	tacctggtga	gctatgggta	tctgatcggg	360
ctgcggaaaag	gtttcggcac	cgcagactcc	agcgatagct	tggaatttat	caaagtaggg	420
agcacctgtt	ggcatcacgg	ttttctatac	actctagtca	tctgttacta	a	471

<210> 5756

<211> 498

<212> DNA

<213> A.fumigatus

<400> 5756

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cgcatactctc	accagaaagc	tcacgggggtc	agcccggtatg	agcccgcggt	gaaatattcc	120
acgggttcga	agtcggcaga	gcatacacgaa	tttggttcaga	tttatcgagc	atacgagagc	180
tacctggaga	cgtccaattt	gttcgagtac	gatgactttc	ttctccgatg	cgctgacttg	240

ctgagaagac	acccacagtg	cgtctcgaac	gtgcaggcag	tcctggtcga	tgaatttcaa	300
gacaccaacc	atattcagta	cgagttgatg	aatttatttg	cagtggagaaa	tcgccgggac	360
actgtgggtg	gagatccgga	ccaaagcatt	tatggattta	ggtcagcgga	gatcaagaac	420
cttggggcga	tgcaacagca	ttacaaggac	acatcagtg	tacttcttca	ccacaggggg	480
tcgaagcacc	cgcgctaa					498

<210> 5757

<211> 408

<212> DNA

<213> A.fumigatus

<400> 5757

ctgcccgcct	ccacaatcct	cccagcccga	aagacaaaga	tgcaagtccg	gtccttgatc	60
gtactcaacc	gatgcgcaac	cgcaatggta	ctcctcttcc	catcgttggc	agcctcgctc	120
agcggcgcct	gcacaatcct	ctcgctctcc	gtatccagcg	cactcgttgc	ttcgtccagc	180
agcaggatct	ttggatcgcg	tatcagagcc	cgtgcgattg	cgacccgctg	gcgctgtcca	240
ccagagagct	tcgtgcccgc	aggaccaacc	tcgctgttca	agccgtcagg	caacgagatg	300
acgaaatcaa	agatgttggc	gtctttgcag	gcctgttcga	tctgtgcttc	gggtggcgctc	360
ctcgattcga	ccaggcccat	cgcgacgttt	tcacggatgc	tccttga		408

<210> 5758

<211> 1041

<212> DNA

<213> A.fumigatus

<400> 5758

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cgctccaca	atcctcccag	cccgaagac	aaagatgcag	tcgcgctcct	tgatcgctact	180
caaccgatgc	gcaaccgcaa	tggtactcct	cttcccacgc	ttggcagcct	cgctcagcgc	240
cgctgcaca	atcctctcgc	tctccgtatc	cagcgcactc	gttgcttcgt	ccagcagcag	300
gatctttgga	tcgcgtatca	gagcccgtgc	gattgcgacc	cgctggcgct	gtccaccaga	360
gagcttcgtg	ccgcgaggac	caacctcgt	gttcaagccg	tcaggcaacg	agatgacgaa	420
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ttcgaccagg	cccactcgga	cgttttcacg	gatgctccct	tgatacagga	ccggctcttg	540
ctgaacgagt	gccaagcggc	gacgggtgatc	ttgtgggctg	aggtcgtgga	ttggccgggtc	600
gttgaccgcg	atatagccgg	acgttgggtc	ataaaagcgg	gcgagcaggt	tgatcattgt	660
ggacttgccg	cagccgggac	gaccaacaaa	ggccacgaat	ttgcccggtg	ggatgctgac	720
atcgatgccg	gatatgacgt	tgagcgagg	gcgagatggg	taggcaaagt	cgagggcgtg	780
gcaatcgacg	gtaacggggc	cagggtcttg	cgatccgtcc	gaaggcggct	cgtcagaaaa	840
gcaattgtcg	atagcgggga	cccgtggcg	cagccagaag	atgtagtttg	tcgacccggt	900
cgctttgggtg	atgctagtgc	tgtactggaa	gatcgcagct	gcattctcgc	ctccgactac	960
gacggcagtg	aagaccacga	agaactgctc	gttgggtgtac	tcgcccgtcg	agatgagctt	1020
gccccgtac	cagaagccta	g				1041

<210> 5759

<211> 1590

<212> DNA

<213> A.fumigatus

<400> 5759

caagtcatca	tcccagggga	ggacattctt	cctcaggggg	tgggggtccaa	gctgaccatg	60
ccccagaaa	tcggccggag	gtaccgcgc	gaactcttca	ggaacaccag	gaaacaagag	120
attgcgggtc	tcgacttggg	acacaacgct	accggggcga	tttctctcgc	gctgctgatc	180
cacgcgtcga	acctgaacga	gctcctgggg	atcaactcgg	ggttgattct	gatctacatt	240
gtcacgggtc	tctctgtgtc	cgtcttggga	attgcgtatg	gctggaaact	cggcctcgtc	300

tgcgtctttg	gtgctctgcc	tccctgctg	cttagtggct	acttccgcat	ccgcctggag	360
tacaagctag	aagaagatac	ctcggcgcg	ttcgccagca	gtgcggcgat	tgcggcagaa	420
gcaatctcgg	ccatccgcac	agtggcgct	cttacgctag	agaacaagtt	acttcagatc	480
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aattgctttt	ctgacgagcc	gccttcggac	ggatcgcaag	accctggccc	cgttaccgtc	840
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cggttgagta	cgatcaagga	cgcggaactg	atctttgtct	ttcgggctgg	gaggattgtg	1500
gaggcgggca	gtcatgccga	gctgctggag	acaagaggga	gctactacga	gatgtgcagg	1560
ggccaggcgt	tggataaggc	tttgggggtg				1590

<210> 5760

<211> 1413

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1406)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5760

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tctggaatgc	ttcggggagc	aacaacagac	acgcttccaa	accccggtgt	cgctgctgta	240
aaaccgcggg	ccctgccgtc	agaagcggcc	ctggatctgc	atcaaggaca	tttcgaccat	300
ccagttcaac	ctatcaccac	cataactacg	tgcacaaacg	cctctccatc	cacgacatcc	360
gcgaccacct	tttacaaatc	taccatccgt	accacccttc	ataccgtctc	gatgccgact	420
gctactcggg	ctagtttgac	taagagcgca	tcccatgcca	cctccacctc	cacttcggcg	480
cccgcgcgcc	gtggcggggg	agggacggcc	cccggtagcg	aagcggggat	tgtcatctca	540
gcgatgagcc	tcgtcatcat	cttgattgtg	ataatcttct	ggtggctgaa	tcgcaagaag	600
cgggccctca	tgaagtccct	ccgaggggag	gagtcgcgcg	cgcgcacaga	gaagccaaac	660
ccggcggtata	gattcgcttc	aaacctgtat	acaagcagta	cctctacgct	ggtcaatgta	720
acggagatct	tcaaggcttc	cagggagaag	aaatcgccat	ccgtcaatga	cggaagcagc	780
agcatctact	ccaccgacca	gatacaaagc	aaccagacat	ggagaactct	gttcacccgg	840
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tattcccacg	gctatatctt	tgcacaggag	ttccagcacg	tccccccact	gccgcgcgca	960
cgtctacaga	agattgtcgc	cggtctctac	gccaacgggt	cgtcgacgat	caaaaacctg	1020
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agctccacga	gcagtcgcac	tccgtgctcg	cgcgcttatg	agagctaccc	gcaagcggat	1140
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tcctcgggca	ctgtcgccat	gagtaaccct	gccgagatca	gcgtcgacgc	acaggccgga	1260
cgcattctcg	gagagagcag	gccacaccag	gaggcggcct	gggagtcac	cagccctcgc	1320

ctgtcgcagc	atatctcggc	tccatcccag	cggcagtcgc	ccccagtctt	caccaggggg	1380
ctgcagagag	ccgatcagtt	aaaatncccg	ccg			1413

<210> 5761

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 5761

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aaggcatctg	tcggcgctga	gaatgacaca	gcgggagctg	tggaaaaggg	cgaagggtgct	120
gaagacaagg	actcatccaa	gccgaccaag	ctcattctaa	agaccaaaga	acccgaccct	180
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cagcctccat	ccgtaccggc	ttccgccccg	caatacatgc	caccgttgaa	cccatcctat	1020
ggaaatccac	agaatggaca	atcgactctg	gcgaatcaac	atttccagtt	cccgaccatg	1080
cctccgaata	catatgctcc	ttccacgcca	gctcctacct	cttctgctgc	agcacctccc	1140
tccgctcctc	ctcgtcatct	agaccctgat	cctcctcct			1179

<210> 5762

<211> 1167

<212> DNA

<213> A.fumigatus

<400> 5762

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gttcggcaag	ccttcgctgg	aaataccttg	accacacctt	cagctgcatt	cggagcccaa	180
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cctgggtcag	ttccggtcgg	cattcatatc	tgtgggcgct	cctcctaccg	ggctgttgtt	1140
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<210> 5763
 <211> 372
 <212> DNA
 <213> *A.fumigatus*

<400> 5763
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 atcgcaatca tgatttacct tatcctattc tcaacaatca ttcccatgag tttgcgagtc 180
 aacttggaaca tggcgaaatc tgtgtatagc agattcattc agcgagacaa agatattcct 240
 gggaccggtt ttagaacaag tacgataccc gaggatcttg gtagaattga atatctcctt 300
 tctgacaaga ctggtacctt aactcaaaac ggtaagattt catacatctt aacagtcgag 360
 ttgcgttact ga 372

<210> 5764
 <211> 663
 <212> DNA
 <213> *A.fumigatus*

<400> 5764
 gttgcacgcg atgataacaa cttttccaag ggctatggat tcgtatcttt tgccgacttc 60
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 tccgtgcagt acgcctataa aaaagatggc aaaggcgaaa gacacggtga tcaggcagaa 180
 cgaatgctgg ctgvcgagcgc tcgcaagcat aatgtccgtc caccaactca gccgcttcct 240
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 aacttgggct tccagaacat accttcacca caacctaatc gacaactccc tcctacggct 420
 cccttggcaa acccacctcc cggtttgcca gcaagacctc cgcctcgcga agccgggttac 480
 ggtggccctc agacatttct cccctctggt ttcaattctg ctgggtcaaca gccacccttc 540
 ccacagcaag cggcaccgcc gccgggggtc gcaccaccgg gtttcgggtc cccatcggga 600
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 tga 663

<210> 5765
 <211> 399
 <212> DNA
 <213> *A.fumigatus*

<400> 5765
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 accgatagcc tggtagggga gctgatgctg caggctgggc gcacgtcaa tgttcacctt 120
 cccaaagatc gagtaacgca gtcacaccag ggttacggct ttgtggagtt cataagcgag 180
 gaggatgctg aatatgcttc gcgaataatg aacgggattc gcctttatgg gaaacctata 240
 cgagtgaaca aggcattctc cgataaacia aaagctgtgg aaatcggagc agagctcttc 300
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 gggacgctcg tcaatattcc aaaggtaaga cgacaataa 399

<210> 5766
 <211> 228
 <212> DNA
 <213> *A.fumigatus*

<400> 5766
 agcaaaatgt ccgcacaaaa ctccggccgt cagtccctc ctctgaaac ccagtcgggc 60
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cagcattcgc aacgtgagtc gaatgagacc aaggagtgga agctggagag taaccccaag 180
catccgcttg aggatatcga ggccgcaaag tactcgaagg tacattga 228

<210> 5767

<211> 312

<212> DNA

<213> *A.fumigatus*

<400> 5767

ccttgctggt ttccctccta ctccagagtc atcgatcaca ctccctcgccc tcaccctgct 60
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ggccctctcg gtccgcgttc ttccactcag ggatccatcg gtccgcctgcc cggagctgct 180
ctcgcccttg ttccagccaa gcaaggcgaa ttctttgatc gggcagagct tcccgccaga 240
ttccaccgtc tcccatggac tgaggctgag attgaggcca ttgagaccgg cgggtgcgagc 300
ctttatgctt aa 312

<210> 5768

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 5768

ataagcatac atagacatgc aaagtgtcct gtggaatgct tgtgctttgt gtctcgagtc 60
caatcttcag tgctcgtccc acgtgccctg attcgcagtt atctatccgt cgaccttggc 120
ctgtccacac ctatcagcat tacgtctttc aactacactc tgcaagccaa aacagtaacc 180
ctcagggtttt gctcaatgcg cagtacagct tga 213

<210> 5769

<211> 210

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (154)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5769

taccataaag ctgagggcct cgcggccaaa tttgtttttc tttttttttt ttttctcaga 60
aatttctttc ctttgttcga catcgatatt agcattgtgg ggctttctga attctatttg 120
cctatgtact atattgacag tacgttgaga atanacgcaa gtgtgccttg tgcctctgca 180
atcaggatat ttctcatggt cctttattga 210

<210> 5770

<211> 240

<212> DNA

<213> *A.fumigatus*

<400> 5770

gccgccttcc tgacgcagaa atgctcgctg cctaccgcga ccatcaagtt cgaaatctgg 60
gacacagccg gccaggaacg ctccgcttcg ctccgctcga tgtactaccg taacgcccag 120
gcggcgctgg tagtctacga tgcacaaaaa ccactccttc tcaccaaagc gaaacactgg 180
gttgccgagc ttcaacgtca agcccagccc tggaatcgctg attgcacttg ttggcaataa 240

<210> 5771

<211> 189

<212> DNA

<213> A.fumigatus

<400> 5771

tcacttgtac	tgccgcagat	attcaccocct	tttatctcga	tggacgatgt	ggaagaaatc	60
atctactctc	tagtcaagta	tcaaateccac	gccagggttg	tagtgtcttt	ccaatcaact	120
tttttgcaca	tccaagagac	caagcctatg	ggcgtcgtct	acgcgtggcc	agcttttctt	180
aagcggtag						189

<210> 5772

<211> 1632

<212> DNA

<213> A.fumigatus

<400> 5772

atggcgtag	aacatgaccc	caattcagcg	cgaaggaaac	gtcgaaagac	ggaggacgtt	60
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ctgctggatc	agcccctcgc	tacattgaat	accccagtg	gtgagatcca	attcgccgcc	180
aatgctggag	ccagcaatgc	cactctcccg	cctgttgttt	cagatgtcgc	cagcagtgag	240
tcttcactag	gacggaactc	tgcctcagac	ctccacaatc	ccgatagggg	ggttttggac	300
gatgcaaata	agggcgttgc	gtcacgttcc	ccgccacaga	aaatcatgaa	actcaccgct	360
aatgggaaac	tcctaagttc	acctgtcgcg	aagcaatcgg	atgatacccc	tcagaagaag	420
agaaggagca	aacgtaccaa	agcagggagc	caagggctgg	agcagggcaa	gaagaaattg	480
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cgaaaccag	acccttccgc	tgaactgta	cctccgtcaa	atctcagcca	aggaataccc	720
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gaaatgagcg	aggttactgc	atctgacgat	gacgagttag	ccgggtggagt	aacagtgtct	1500
tcacaaaaaa	cagtcattcg	gtcgggtgac	tcggacgggtg	tttggagatc	cggcacagga	1560
aatcaccgta	cgtccaatgt	aatattcctc	agtgtcgtct	tcaccacggg	gctggaagga	1620
caagcgttca	at					1632

<210> 5773

<211> 405

<212> DNA

<213> A.fumigatus

<400> 5773

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accaccgaag	aactcgagcg	tatcgtcacc	atcctccaga	acccaccca	gtacaagatc	180
cccacctggt	tcctcaacag	acagcgcgat	atcgtcgatg	gcaaggactc	ccaggttctg	240
tccaacggtc	tggacagcaa	gctccgtgag	gatcttgagc	gcctgaagaa	gatccgctcc	300
caccgtggtc	tgcgctacta	ctgggggtctc	cgtgtccgtg	gtcagcacac	caagactact	360

ggccgcccgcg gacgcaccgt cgggtgtcagc aagaagaagg gctaa

405

<210> 5774

<211> 285

<212> DNA

<213> A.fumigatus

<400> 5774

tggttttttct	cgatttcctac	agcgcctcgtg	tccggcgaga	agacgaactt	ccagtacatc	60
ttgcgtctgc	tcaacaccaa	tggtgacggc	aagcagaaga	tcatgtacgc	cttgaccag	120
atcaaggggtg	tccggcgtcg	ttactccaac	ttggtttgca	agaaggccga	tggtgatctg	180
agcaagcggg	acgttcaatc	tacttttgat	ttcctacagc	atctgcaa	cgctgggtgt	240
ggtgtggaga	cagcgggaag	actgaatgcg	tcaatatcac	tatga		285

<210> 5775

<211> 372

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5775

agccgtgccc	gtggatttcn	taaaagagcc	cccgtcgata	cttccagccc	cgtgggtgaag	60
acgaagaacc	ccatcagcgg	tcaccctgta	ggttacaagt	tcattccgct	ggctaccag	120
ctgttactgg	cggatcccaa	ctccgtccaa	gccaagcggc	ctcagtttgc	acagcaccac	180
gtgtgggtga	caaagcaccg	cgatgggtgag	ctatatgcgg	gaggtcgata	cacacttcag	240
agccagcagg	aggtggatgg	tgtggctgac	gctgtcaa	ggggcgaatc	cgtgggtggat	300
actgatgtgg	tggctcggag	tacctttggt	atcacgcaca	atcctcgtgt	agaggattgg	360
ccagtcatgt	ga					372

<210> 5776

<211> 1491

<212> DNA

<213> A.fumigatus

<400> 5776

agactaattg	gcggaagat	cattgaccat	agacttgagc	ggagtcggat	cacctctgta	60
ccgaccggag	agcgaagttt	tcacgtgctg	tactatcttc	tagctggaac	tagtccagct	120
gagaaggctc	acttaggctt	cgacaaagcc	gtccatgtat	cgacttcttc	aggcgccatt	180
ggccataaga	ggtggaggta	cctcgggtcac	ccgactcaac	tgaagggtgg	tgtcaatgat	240
gtggaggggt	tccagcat	caagacggct	ttgagaaagt	tggaaatttcc	gcgcagcgag	300
atcgccgaaa	tttgtcagat	ccttgctact	attctccata	ttggacagtt	ggagtttgct	360
agtgggcaag	ccacaaccac	ccatgcggaa	gaaagtggtg	gatattcaca	tgagggtggc	420
gagacagtca	ctatcgtgaa	gaacaaagat	gtgctgtcta	tcacgcgtgc	attcctgggt	480
ctgtcgggtg	aagacctcga	aaatagcttc	ggctaccgaa	ctaagaccat	ccaccgggaa	540
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gcagaggata	gcgttgcgaa	cacgatttcg	attgtcgact	tccttggttt	tgcccaggcc	720
tgcgccaccg	ggtctacctt	ggatcaactt	ttcaacaacg	ctgcgactga	attgttgtac	780
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tcgggtgccc	cgacaagcta	cttcgataat	actgatgctg	tccgcggtct	ggtgaagcat	900
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tcgaagagga	ccagcttgat	ctcacagaat	gctcgttccg	ctttcaccgt	aaagcacttt	1080
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aaggattcat	cttccggcag	acggaaaagc	gctatgctca	ctagtggcat	acaaggtgcc	1440
gctctcagtt	tctttcgtca	tcagcccggg	cctggaaata	aaagcaatgc	g	1491

<210> 5777

<211> 624

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (406), (537), (576)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5777

caaagagtga	ttccgcagcc	gttcaataac	gtcttggttt	cgaactcatc	ctttccgtct	60
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atctcaataa	acgtctccga	ggagcagaat	gcgccgacaa	atctcgcaac	gttcgtccaa	180
gcctttcttc	tcccggcaca	gctaaatcct	atgcaagatt	ccctccccga	atccaagagg	240
gcggaactaa	cccgaagtc	cgaacttgag	tccagtttcc	caggtgccgt	cgacatccag	300
tactctcctg	ttgtactgat	atgcggtcac	ggtggccgtg	acatgcgctg	cggagtcag	360
gcacctgtgc	ttgaaaagga	gttcagccgc	gtcttaagtg	cgcggngttt	ctcaccagcc	420
ggagcggacg	gtaatcctac	tgacagcccc	gagcatgcta	agattggact	gatcagtcac	480
gtcggtggtc	acaaatatgc	tggaaatgtg	attgtgtaca	ttcctcccgg	aatgaangca	540
ggcggatccc	ctcatccgct	ggcgggtaag	ggtatntggt	atggacgggt	tgaaccaag	600
catgtccagg	ggcattatgg	atga				624

<210> 5778

<211> 219

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (32), (116), (155)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5778

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tacagtctca	tccataatgc	ccctggacac	gcttgggttc	aaccggtcca	taccanatac	120
ccttaccgcc	cagcggatga	ggggatccgc	ctgcnttcat	tccgggagga	atgtacacaa	180
tcacatttcc	agcatatttg	tgaccaccga	catgactga			219

<210> 5779

<211> 201

<212> DNA

<213> A.fumigatus

<400> 5779

cttgttgcaa	gtatccttgc	tgcgttatct	tcagcatact	cacttactac	tagtcgaaaag	60
caatatacta	gggtccagta	cagtgtctct	gtcatgcggt	cataccgtat	gtacgatgta	120

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gtcttgggag gtctctggat cgaaagcatc aaaaacttta tttgtgctgt tggttcttcg 180
aagcgggttg caaattcata g 201
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<210> 5780

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 5780

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caggctatcg gactgtggag acagagtgaag agtgttgccg ccaattttac cacagcgaaa 120
agccgatttc aaatcagcat atcgaatcgt cgcctattac gctcggctcc tgcccgggaag 180
atacagaccg tcgccgccga aaactcttca tcgcgagatt catcgaaccc ggcaactctca 240
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tcaggtccag agccttcata cacaaccgga caacatgaga acttccactg tgaggagcca 360
ttgctactag actgggggtg tgtcttgcca gagtttgaca tcgcatacga aacatggggg 420
cagttgcacg cggacaagag caacgctatt ctattacata ctgggtctgtc agcgtcgagt 480
catgcgcaca gtaccgaagc caaccacaaa ccgggatggg gggagaaatt catcggttct 540
ggcaagccgt tgaatacggg taagtacttc gtcactgtga caaatgttat tggaggttgt 600
tatgggagca cgggccccgc ttcaatcgat ccgtccgacg ggaagagata cgcgacgcgg 660
tttctatccc ttaccctgga cgacatgggc cgagcgcagt tccgtctatt ggactcattg 720
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gcaggagtgt tgttccccga gcgcacgcga aagatcgtga gtatcagtgg gtgcgcccg 840
agccaccgct acagtatagc catgagacac actcagcgcc aggtgttgat gatggaccgg 900
tcacggcacg gtgtcctata tcgctactca tccccgcctc cacctgcgtt tgtcaacatc 960
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<210> 5781

<211> 465

<212> DNA

<213> A.fumigatus

<400> 5781

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cacctctctc ccgcctcac ccgctcaatc tcatgcagca ccatccatac tttccgtggt 180
ccgttgctcg agccaccttc ttacctgtct cctgctgttc gcgcgctcaa gcagaatctg 240
tgtggactga cgctcccag caatgcgcga accaggggcg cgtttaagcc ccggtcagct 300
gccaagggca cgagcagtta tcaattgagg cagtttgagc aggcgacgct ggggagcggg 360
agcttgagaa aggtgtgtaa gctcccgag ggcgaggatc tgaatgagtg gcttgacgtc 420
aatggtaagt ctactggagg gattgtcgcg gggccccgag tgtaa 465
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<210> 5782

<211> 438

<212> DNA

<213> A.fumigatus

<400> 5782

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tgggccacgg agacatatcg ttcactctgt ctgatgggac ccatattgaa ctacgtggag 180
tccaatcctc aatgcaagga tgggcaatac accttgattg cggcccggtg aatggcggtg 240
cgaaatccgg ggcccatgat catcgatcag gatggtcacc tgggtgtggac caaacactac 300
ggccagacgt acaacgtgaa cgtgtacaga tacaaggcc aggactatct tacattctgg 360
gtgggtaacg atgggatcgt tgggtcatgg gacgggacat actacatggg aagccccgtg 420
tccgtgtcta catggtaa 438
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<210> 5783
 <211> 522
 <212> DNA
 <213> A.fumigatus

<400> 5783
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 cccgcagatc tacgggtccgc aggcggccca gaaaagggct ggatatggga cggcacggtc 180
 caagagggtcg acattgagac cggccagctg ctcttccagt ggcgcgcatc cgagcacttc 240
 aacctcaccg acagctaccg cggcgcgcaa ggccgcggcg actccgaaga ccatccctgg 300
 gacttcttcc acatcaacag cgtcgacaag gacgccaaag gcaacttcct agtgtcctcg 360
 cgctacatga gctgtctcac atacattgac ggccggacag gcaacatcat ctggcgccct 420
 ggcggaagc ataacgactt tcacgaactt ttttgccgcg cccgccacaa acttaacttg 480
 caacaacaag cccggttttc acgaacaacg gttcgggcat aa 522

<210> 5784
 <211> 648
 <212> DNA
 <213> A.fumigatus

<400> 5784
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 cccatcccta cccaaacatg gaccaaagat gcatacttca tctcaacgga ctctcacta 180
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 ctgccgctcg atatcctgaa acagttgggtt gagaactcca tgtgtttcgg cctctattac 300
 acgcccgacc agccagacaa ggccgacgca gagcccagat tcatcggcct cgcccgattc 360
 gtcacagact acacgacctt tgtctacatc accgacgtct acgtgctctc ctgtcaccag 420
 ggcaagggtc ttggcagctg gctttagagag tgcattggcg aggtcatcga tgcgatgccg 480
 tatctgagac ggagtatgtt gtttacgatg gactggggcg ggtcgggtgcc gttttacaag 540
 aaaatcctgg ggatgagcgt acaggagagt aagaatggag aggggatggc tatactgatg 600
 aagaagggga acggatatcc gaagtatgac tatgaaaaag gagtttga 648

<210> 5785
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5785
 cgatcagacg ggacgaccgg aaatgaagga cctagtggcg ccaatatgct aaactgccga 60
 ccgaagacag tgaagaccat tagagattta tactcgatgt ctggtttctt cggctgccct 120
 cgggtcaagta acgttatcac tttgcccgat ttcattcacac tggcgcaaaa cgcggtggaa 180
 cctccctcg 189

<210> 5786
 <211> 1119
 <212> DNA
 <213> A.fumigatus

<400> 5786
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 cgggagaatt acaaagctct tcccaggat atcaagaatc ggcttggtct ggagaatgac 180
 gatgtaagct ggtcagtgca tgatttactg cccatttctg aggagctgaa tataccgctt 240

gtcctcgact	ttcatcacca	caatatcgtc	ttcgattcca	gcaaagtgcg	cgagggtact	300
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cagaaaaatgc	actattcgga	acctgttccc	tccgccatca	cgaatcgga	gcggcgaaaag	420
cacagcgatc	gagtgtccac	gcttccacct	tgcgaccoga	ccatggattt	aatgatcgag	480
gccaaggaca	aggagcaagc	cgtgtttgaa	ttaatgaggc	ggtttaagct	gcctggccac	540
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ccaggatatgg	aagagtggct	tcgaccgaag	aagatcattc	gtgtcaaagc	acggcagagt	780
ccggcaaaat	cgaatgtatc	gaagaggaac	gcaaaaggaa	atgaagactc	gtcaciaaatt	840
caagacgagg	atgctgatga	ggaaaatgag	ggaccggcga	cccccaagcc	taagaactct	900
cgtccaccca	agcgactcgg	aagtgtgaaa	aaacagacaa	gcaggaaaag	gaaggcttca	960
ccgacccctc	cctctactcc	gtcggctctc	gatatcgagg	gtttagattt	ggcgaaaccg	1020
cccattcttt	ctggtactga	gactgccaat	actcgttgta	gccgacgcgc	aacgaccgcc	1080
aagaaggtca	attatgcgga	gagcgactct	gcatgctaa			1119

<210> 5787

<211> 720

<212> DNA

<213> A.fumigatus

<400> 5787

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gttgagggca	tcgtttaccg	tgatctgaag	ccggaaaaca	tcctcttgga	cgctgacggg	180
catattaagc	tggtcgactt	tggtattcga	aagcagatca	acgatcgga	gacgtacacg	240
ttatgcgga	ctccggagta	cctagctcct	gaggatcatc	acaacagcgg	tcattggcctc	300
gctgtggact	ggtgggctct	cgggatcctc	atctacgagt	ttttgggttg	gcagcccccg	360
ttctgggatc	agaacccgat	gcgcatctac	gaacagattg	tcgagggtcg	cttgcgtttt	420
cctccaaaca	tgtcgccggc	agcccagaac	atcatatcat	gtctctgcaa	gaccaatccg	480
agtgaagcgg	ttggccacat	ctcagggtggc	tctgcgagag	tcaaagcgca	ccccttcttt	540
gaggacataa	attgggatga	cttggtccac	cggcgcatga	aaggcccat	catcccgcga	600
gttgaccatc	ccgcagatac	cggaaacttc	gaggactatc	ccgacgtaga	cgtgaagggt	660
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<210> 5788

<211> 192

<212> DNA

<213> A.fumigatus

<400> 5788

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aaagccaagc	aggcgatccc	agacagtttc	agactagagg	ccatgacgat	ccttctctgcc	120
ggtacgaacg	acacgtggga	tttacagggg	ggaggaagga	agataaatga	agcagcccct	180
gggtggaaat	ga					192

<210> 5789

<211> 513

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (423), (460)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5789

tcgaattccg	ccacttcgtc	gtcaccgata	ttgcgtgtac	gtttctcccc	gttccatttc	60
ctggcaatcc	ccactgaccc	ccccagcct	ccagcgccaa	agaatccatc	tggacctccc	120
tcgaactcga	cgtcgccatc	atctgcggct	gcctccact	cctcaaacc	ctcgtgcaag	180
gcttctcgcg	caaagtcaaa	agcgggtgtc	cgaaaggcta	ctcgcagcct	tcggccgggt	240
ccaaacttcc	ctttcccgcg	tccaggacaa	acaatgacgg	gttccagccg	atcgatgata	300
cgaatgggac	actggcgctc	gcggcatcga	aaacgtttca	tgtggcgact	acgccgagcc	360
agaatagctc	ggatgtggag	ctgcagggga	tcacggtgca	taccagtatc	cggcaggatg	420
tanatgggcg	gtccgatgtt	gggagtaccg	gtcccgatn	aaatccggag	tggaggcaat	480
aatatttgca	tattattatc	tttgtatata	taa			513

<210> 5790

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5790

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cagaatacct	actggaaaaa	tgtcctcacg	atcgtgccga	tcgttggggc	cgggtgtggc	120
accatcacgt	atctgttgcg	tctgtactcc	cgacgcctga	cagctgcggg	gttcttcttc	180
gaagacttac	tgatgggcat	tgggttgatc	atttcctact	gcgctaccgc	gtttgtcgtc	240
gagagtgagt	gcgtctggcc	gacagcccg	aatcaaaact	ga		282

<210> 5791

<211> 636

<212> DNA

<213> A.fumigatus

<400> 5791

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gtaccggcag	gaaggatcgt	catggcctct	agtctgaaac	tgtctgggat	cgctgcttg	180
gctttgctgg	gctcgactgt	tgtcgcagg	aaggacagtt	gctctgcttg	cagttgcagc	240
ttgactcatt	tcaatgcgac	ggttggagga	cgcgtgcagc	ctctgactcc	tttctccttg	300
ccgtgcttct	cgagttacaa	tggcgcgtcc	tggtctgcgc	acgatgctgc	ctgtgtgccc	360
attcaggcca	agtacaccga	tccgtggctg	cgaaccaact	ctcccaatgg	ctacatgaac	420
aaccaggatg	agatgtggtc	gtcggatccc	agtgatcagt	gcctgctcga	cagtagcgat	480
cccaccgatc	ccctggcggt	tgttaatgcc	acctgccggc	agggtaacat	gccctcgcac	540
tatctcgagg	tgcacagcgc	caaggacgtg	atcgaggcct	tccgatactc	gaacgtcttc	600
accacggggc	tggaaggatc	cgcggctgat	gctttc			636

<210> 5792

<211> 1143

<212> DNA

<213> A.fumigatus

<400> 5792

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gtcacgccgt	ttgaacgcga	gatgcgtcgc	cgcttgtggc	atgtaatcgg	ctgggtggac	180
ctggaggcat	cgcctgaaccg	cggatcggaa	agcatgatgc	ggtctgcctg	gattcagaca	240
cactcgctca	ccaacatcaa	tgatgacgac	tttggatgcg	actcgaggga	tcccttacc	300
gctgcgcaac	gcgggccaa	ggaggcgacc	cttctgatcc	tgtttgcgca	tggccaatgc	360
gctctacggg	ccttggattt	atcccacttt	gctgaaccag	gcataccga	catccaggag	420
cgacagcaga	cgggtggacca	cttccgctcg	accacgaagg	agctgctggc	tggctgtgac	480
cccgaataatg	ttcctttcca	ttggtttctc	atccagatac	aggagcagat	atcggctgtc	540

ctgcaactta	tcgccctccg	cccactccag	aggagtccga	cctttgtccc	tgcagagcta	600
ccggcgccctc	aaatactcgc	tctcgcagcc	gacattctag	agcgacgtca	gagaattttc	660
aacgatccctc	gaggacaacc	ctggcgctgg	ttcgggctgt	tattctttcc	ctggcatgcg	720
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tggcctacgg	tggagcgag	ctatgacctc	tttcagaagc	aggcggttgg	gacacactat	840
gactggcttt	cggcgctcaat	ggacagtctg	atgaacaacg	cgcgagctgc	gcgacaaaag	900
gtggttgact	ccgacgcgcc	agggtctcaa	gcgcccatt	cccacctcta	tatggacatg	960
gcgtctctcg	agcgccccct	actgccggag	tctctgccac	ctgtgcctga	cgcggttcta	1020
gccccggagg	ggctcacgct	actaccggac	caggagatca	gcgcctgggc	gcagtatggg	1080
gagttcaccg	accgctttga	tgagctgcat	gcaatattta	acagtgggct	aacctggcgt	1140
tga						1143

<210> 5793

<211> 387

<212> DNA

<213> A.fumigatus

<400> 5793

atcctcgggc	tgatgccatt	gggaacctcg	atggattacg	aatcggccga	ctcccgatcg	60
aaagggtgct	gggaccccg	ccccgtcctc	aagcccttct	acgagaaatg	gaccagcgct	120
gttccgacgc	ctgatttcct	ggtcgatgac	gtctggtgtg	gcatggtcgg	tggcattggg	180
tttggcgcca	gtgcgtcgga	ggagttgagt	gtgttctgga	cgaagaccct	gaaggaggctc	240
tacaggggag	acgaaggccg	gaagaaggctc	cgcatggcgg	tgatttgcct	gttgtcgcg	300
gatggactgc	tgctcagact	gggtgatatc	aagtgtcccg	tgtactgggt	acaggtgagt	360
tccaaccctc	tggtaggtag	gggctga				387

<210> 5794

<211> 834

<212> DNA

<213> A.fumigatus

<400> 5794

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cgctgccccg	cagcgtgtca	ttggcggtgt	tgtgtccatc	cccgtttgac	cgggatttgg	120
tccagaaagg	gaagttatcc	cctctacgtg	tgccgtctgg	tctgggacgg	gaccgggaac	180
gggttgacct	ggaggggtgc	agaacctcgg	tctgtcccat	ggaggggtgg	agtcgggtgac	240
agggtccctta	tctatatgac	gagttacatt	gggacgctcc	tactccagt	tgttgttggga	300
ttgaagaaac	cacacatccg	aaaaacaaca	gaaaaagaaa	aaaaaaaaaa	aaaaaaaaaa	360
tacatggcag	ccaccaagac	tatccaagtg	ccccatctgg	gcggcatcac	cgccggttat	420
gctctatcca	acgaccggta	cgacccccgc	aagccgacgt	gcgtcctgat	caactcgatg	480
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aacctgctgg	ccattgagcc	cctggggccac	ggctcgacca	gctgcccgtc	ggaacacttc	600
acatactggg	attcggcatg	gatggcgctg	caggtgatgg	atcaactcgg	catcgacaag	660
gcctttgcgc	tgggaacgag	ccagggagga	tggattgtga	cgcgcatggc	cctgttggct	720
cccgaccggg	tgggcgcccc	tgcatccgtg	aactatctat	cctgtgaggg	ggttccgtgg	780
caaacaaaaa	aattactgac	agatgtctac	tgttcctcta	gatacctcggg	ctga	834

<210> 5795

<211> 318

<212> DNA

<213> A.fumigatus

<400> 5795

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tggttcaa	ctcagcaa	catagtgtc	aatcctcg	tcgttgaggg	attcttcctc	120
ggcattga	tgatgagg	aggcggtgtc	tttgattcct	cctgcctacg	caatgccgca	180

cgggacttgg	tcggggttgc	tttgggctat	ctagctagtc	ggacagcagc	ttcgtccttc	240
gttggttttcg	gccacggctc	atattttogag	aaatatcctg	ctcttgatct	tattctgtca	300
aagagcagct	ccttctaa					318

<210> 5796

<211> 645

<212> DNA

<213> A.fumigatus

<400> 5796

cccctgatcc	cagctttaac	tgggtaggaa	tgtgatagct	accagataat	gacattgact	60
aattgtacca	aggtttttcc	tccttcagct	catcgtatcg	tgcattctgt	atcttcccca	120
ttattccccc	cagaacggac	gccaatgtct	aattggatca	acagggtcct	gtttttcctg	180
ctctacttta	atcgtctctt	cgcaactctc	ctgtcatacg	ctatccgcgc	ctatacctgg	240
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tgtcgcatta	caattcagtt	ctacggcctg	gagtggttta	tatacaatcg	cacgccggcg	600
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<210> 5797

<211> 231

<212> DNA

<213> A.fumigatus

<400> 5797

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ttgagctgcg	cctcaagctt	tgtctaccg	ctgcagggat	tctggaatag	tcttatctac	120
attactgtgt	cttggaaggc	cattggggacc	tggtttcgac	aggttggggc	tccggcgcg	180
cgcacctcta	gtatcacctt	tcgacctttc	caacatccct	tgcgtcgttg	a	231

<210> 5798

<211> 333

<212> DNA

<213> A.fumigatus

<400> 5798

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gtgattgcca	cctttatcag	ctcgtcggca	tttggcaaac	cgatcaatcg	cttgatcttc	180
tatgcctcgt	ggggcaatct	cttgtcaaac	tcggccactc	tcattgccga	ttccagtctg	240
catggtcgta	cccaaggcgc	gctgtgccag	ttccaggggt	tcattgattca	gtggtcagtc	300
aatacccgtg	gtaatgccag	tttcgtttac	tga			333

<210> 5799

<211> 255

<212> DNA

<213> A.fumigatus

<400> 5799

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tatctgctct	tctgttatgg	agtgccattt	attcctgcgt	ttgtgtatct	ctttctcagc	180
tctgagtcaa	ggggcaagg	gtacggggag	tctgtggtga	gtctcgtggc	agtagtgcgt	240

aagggccgat attga

255

<210> 5800

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5800

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ccgtctgctg	ctattaacag	taccgggat	agcctgtcta	gccggaata	tcaatacatc	120
cagcgccgaa	agtcctttca	accaccttta	atgtttgttt	cctatctctt	agcgaacgca	180
gatcacaaca	gacggcacct	agtttctagt	cagtcggacg	aaaaaacag	aattcagcaa	240
atgcagccgc	tgccgggat	agcctgtagc	gtccttgcc	ccagcatgac	cgcgcgtgta	300
atgtaa						306

<210> 5801

<211> 207

<212> DNA

<213> A.fumigatus

<400> 5801

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agcatctgtt	ccttgacaaa	gaaccgattc	ctgaatgtcg	aggcattctt	ctctaccgtg	120
ggttccttca	ccctttccga	cttcacacatt	gctgttacac	ctatcggaag	gaacaacagc	180
ttcttgtact	gctatttcag	gctctga				207

<210> 5802

<211> 1635

<212> DNA

<213> A.fumigatus

<400> 5802

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gaaagcgccg	tggataatag	cagtgataga	ctgtcgaaact	cggattgtca	tggatttgaa	120
atcaagtcgc	gcggagacga	ggtcgaggct	cgctcagagc	ctgaaatagc	agtacaagaa	180
gctgttggtc	cttcgatag	gtgtaacagc	aatgtggaag	tcggaaaggg	tgaaggaaac	240
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<210> 5803

<211> 408

<212> DNA

<213> A.fumigatus

<400> 5803

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cgtgggtctg	aagcgcggcg	cagaagccgt	cctctccctc	ctggaagacc	catcgtccgg	180
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ggacggcacc	tccggcgcca	tctactcgat	cttcctgaac	gcgcttgccg	acggtctccg	300
cgcgcaagac	caagggaccc	caacacccgc	aacggtcgag	gtctggggcca	acgcgctcaa	360
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<210> 5804

<211> 705

<212> DNA

<213> A.fumigatus

<400> 5804

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cgagtcattg	ctgccgaggc	attggtcacc	cggtaacgata	ctatcgtcgg	cgacggcgac	180
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<210> 5805

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5805

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tgtgtgccac	ctgtcgtcac	ttctgaggag	atacagggaa	agtcgcctaa	tgccagagca	180
gacaacagag	ataaacggac	tacagcctta	tcctga			216

<210> 5806

<211> 2073

<212> DNA

<213> A.fumigatus

<400> 5806

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gcaggtgatc	gaccagagaa	acaagcttct	cacctctttt	tccaaccaac	gaacactatc	660
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gacgcccgcg	tcggttgac	atgggcccag	actcgcttcc	tcgtgcagat	ctggacgcag	1980
ccgattcgcg	cgcgcgaaga	cctcctccgc	agtaatccca	ccgcagcatc	agccctatt	2040
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<210> 5807

<211> 573

<212> DNA

<213> A.fumigatus

<400> 5807

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tcctctcgac	cgccctccctc	cgttcatccc	gactatcccg	ccgatccaac	agctcctttc	180
cagacatcga	gtccctcatc	ccatcccccg	atctcaactc	cgatggcaca	gccgcagccg	240
ctactctcta	tccactccct	gaatcccaac	ccgtacgcct	ttataaccgg	ggcctggaca	300
cagaacacta	cggttcttac	acgtacttcg	atcggcttat	cttctctgag	acccttgctc	360
ctctcaacgg	cagcacaaca	gacaactccg	ctgcagacgc	caaccgtggg	cgagtgcaga	420
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agccgattcg	cgcgcgaag	aacctctctc	gcagtaatcc	caccgcagca	tcagccccta	540
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<210> 5808

<211> 480

<212> DNA

<213> A.fumigatus

<400> 5808

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ctgctgtttt	caggggttctg	tgatgtacag	catgtcgttg	gactgatccg	tggtgcagcc	180
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catactggac	atgatttccc	ggagctcatg	acggaccgcc	tgagaagctg	ggattcaacg	300
ttgattgtaa	aacgggaagc	agacaagccg	tcaactaggg	ggctactgga	gtatgaggat	360
actacgtttg	gacgtgcgag	tccctttaca	gcctttgtca	ggagaacagc	agcaagaact	420
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<210> 5809

<211> 849

<212> DNA

<213> A.fumigatus

<400> 5809

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gcaaaacact	tcatatacac	cacctccatc	ctcccgttcc	acgacaatga	cctaagaaac	180
accccccttc	tatccgcaaa	agcataccac	tacctcgaaa	ccccgcaaga	catgcaaacc	240
cgtctctcag	cccttctgtc	cctcaggaac	gaagccggcg	aaccagaccg	ccctttcata	300
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gcgagcatg	tcgacgttct	ctcccctaac	cacctcgaa	tcgcccctct	cttcggcgaa	420
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<210> 5810

<211> 555

<212> DNA

<213> A.fumigatus

<400> 5810

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aatgcaaatg	ccacagcctc	aaaacttagg	ctcagagccc	aaccaccttt	ctatactcac	120
gcaacctctc	aaaagcgctc	gcaccattcc	acaactcccc	atcctcaccg	gagaccagct	180
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gcggcagcca	cgtgggaggc	agatcgcgag	ataccacgac	actcccgttc	tcgcctgcgc	420
ggacgacgac	agtgcctttc	ccatctatcc	cgacgccgct	gtctaggact	cttcgcgcca	480
aggcctcgat	cgtggccttg	tcgtgagctt	ttgctgggga	ttcgccgaag	agggcggcga	540
gttcgaggtg	gttag					555

<210> 5811

<211> 312

<212> DNA

<213> A.fumigatus

<400> 5811

gctctcacct	ggttggttga	cagtttcggg	ggggggatgt	cttacacaat	tactctttcg	60
gaaaaggccc	cagaggaagg	ggtgcagcct	gtcagttcga	ctctgtccga	ctacgatgcc	120
gatctctcgt	cgtccggcta	cccagaaagt	cgggatcttg	aagaccgaga	gaaatatgcc	180
ggcatcctag	cggatacgaa	gaaaacagac	aaggcagccc	cgggccttgg	cttcattgta	240
tggacggcaa	tcaatgttgc	ttccaccggt	gccatagtat	gtacctggcc	gccccgtcag	300
atcccaacct	ga					312

<210> 5812

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5812

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ttggcgggac	ccatcagcgg	gacggtggtc	ggccagctca	agacgtgcat	cattgtcggg	120
ctgggatggg	ctttcagcac	gcattcccac	tcttttcaga	gcattgtcgg	gattatgctg	180
gcgttggcgg	gcattgagctt	gtaa				204

<210> 5813

<211> 507

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (376)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5813

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tccaacctga	ggtcggacgc	gtttctgctc	gtctacgaca	tcaccaatgc	atcgagcctg	180
agcgcattag	attacttcat	ggacctgatt	gatatcgagg	cagaacagcg	cgcggaagac	240
aatgctcgct	tactgaagga	actcggggat	agcgtacgcg	gcgtggaagt	cggcattgct	300
cctccagtca	agatcatcgc	tggcaacaag	tgcgatctga	aggataatcg	tgccatctct	360
gctagggagg	gactanaata	tgcccgcata	cacgggtgtg	ggttcattga	cacaagcgcg	420
agagatatgg	tgaacattga	agagacattt	gcccgttaagt	atcttgttct	ctggcattat	480
caatgctggc	gggtggagac	cgcctaa				507

<210> 5814

<211> 264

<212> DNA

<213> A.fumigatus

<400> 5814

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tgcctaggac	aaaatactgg	agccaacatg	gttcacacca	caccaccac	cctcctggtc	120
ctaaccggcc	tagctgccac	agctacagcc	tacaagcata	catggaggga	ccacatgaag	180
tgcgcagtaa	gcattcgctt	tcttcacggt	gatctttcga	aagaagccag	cttttctaac	240
atctcaccgg	tcaggctgct	gtag				264

<210> 5815

<211> 795

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (371), (374)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5815

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agcgacttcg	aggacggcga	ggagcacggg	gtcaggggtca	tcacggagtt	cctcacgcat	180
acatcctgcg	actgttcgtc	gtcgactgta	gcggctgcaa	gtagcaggat	gtcgagttag	240
ccggcgatat	tccatcagag	cgcggttcct	gtttcgtctt	tgtcggcggg	gcatacgcgt	300
gttcatcaga	ctctgggtcc	ggtgtcttcg	tcatcatcac	acatgcttgt	tcaccagaca	360
gcaattcctg	nttnattttc	gtcgagtcca	ccggccaacc	ttgaccagg	tatggcacct	420
gttgcacgtg	cgtcatcagc	tcacgctccc	cacagcgcaa	cccccggtgc	aacttcatca	480
tcagcgcgcg	cgcatgttta	tcagactgcg	gtccccgctt	cctcatcgtc	gacgcacatg	540
caccttcatg	ggagcgcgat	tccacagcca	gcttcgtcct	cagcacgtgc	gcatgttcct	600
cagactgtgg	ttcctgggtc	gtccgtgtcg	agccagccgg	cgcaccttca	ccagggtgcg	660
gttcctcttc	catcgtcatc	atcagtgtcg	gcacgcagta	cagtggtag	gtcgcagtcg	720
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<210> 5816

<211> 681

<212> DNA

<213> A.fumigatus

<400> 5816

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aaggacgtgt	gcgagggatt	tggaatccgt	acgttttaaag	tccttttctt	tacctctaga	180
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gccaccatgc	cttcgcttac	gacgatgacg	aagacgatgg	ctacgactat	gaccggtaca	360
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ctcgtcacca	acgccccctc	cgcccttggg	ggaggacagc	gacttcgagg	acggcgagga	600
gcacggggtc	agggtcacat	cggagttcct	cacgcataca	tcctgcgact	gttcgtcgtc	660
gactgtagcg	gctgcaagta	g				681

<210> 5817

<211> 219

<212> DNA

<213> A.fumigatus

<400> 5817

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tcgggtgtggc	aggtgttgaa	actgggatac	gtcgcagagg	atgggtatgca	gaccaccatc	180
tgctatgcaa	atccatgtac	agatacttgt	cgagaatga			219

<210> 5818

<211> 1122

<212> DNA

<213> A.fumigatus

<400> 5818

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agaactatat tgaaatcaac ctatccttgg acaaagagtc ccttctctggc ctcggtcca      120
atgttgaaca ttgccggtcc ccagctggca gtatctgtct cctccgcccgg tggacttggg      180
tttcttgctg caggattcga tgtttcaagc ttggatcata acctggaagt taccgcccgt      240
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attggggtgg gcttcatcaa ctggggtgcc gatctcaaag tctctcttgc cgcgatccag      360
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ggtgccgtgg atgagggcat tgtggttggc gaagttcttc agccggacgc tttggtcgtc      540
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gtgaggggta tcgggggttg gcctaatacga tacgacgggc gcggtattat caaccagact      900
tatctcgatg ctgtgcagca aggaatgagt gatgaggaga acaagagttt gtacgaagaa      960
gagctgaaga agggcgatgc cggctgggga cccaaggggc ggcttacaac atatgctggc     1020
actggtgtag gcctggtgcg agaaatcctg cctgcattca gaatcgtgga ggacacattg     1080
tgtgaagcag gagatgcgat tcggggaatt ccactagatt ga                          1122

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<210> 5819

<211> 219

<212> DNA

<213> A.fumigatus

<400> 5819

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ccttggcagg gaagctcaga tcaactacaaa aacccctcta gtctattgca aatcatttca      60
tccgacaatt tacgcgcttg gcaaaaacccc tatttcgaca gagaacataa ccttgcaatg     120
tattccttcta cgtctcttgc cgtttggggc tatgccctac ttcttctagc gtccccgagt     180
cctgctgacg cgacatcgaa ttctgaaagg ttctgaatag                          219

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<210> 5820

<211> 678

<212> DNA

<213> A.fumigatus

<400> 5820

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tctgtcgtcg accatctcag cgctcgcata aaagtccacc gattctgcgc ctttctggac      60
gtccccgtct tccgcaaacg ccaactgtgac ctccaatccg aatgctgtgg cgtcagagtcc     120
gcacaatccg ccatccccct gcccccggag gacatcccc ttcogtcaat catgaaatcc     180
gatctccccg acctcacatt ccttttctcc tcacacacat catccaagat atgtctccag     240
tctgccctga acatcgtcac cgttgtcgac aacctccctt acccgaaccc agaccatacc     300
atccccctaa cactacctcc gtatctctca catgcctccc gtgtcgaaat accccgagtg     360
atgccaacct tcgcctgctg cttaatgcag gcaagctatg cgatgctgat gctgtatctc     420
aaggcgcggg cgaaacatgc ccacagtccc gaggactcgg ggtcgggtcaa aggcctgtcg     480
ctcacagagt ttctgaatga gctgcagcag aacctccggc ttgtctcgaa gatcctggcc     540
aattatgcga ttgctgctga agcgttgcag ggtatgaagg gtgagttctt attcttcgat     600
actgccatgt tgtttgctga ccgggtcaga ggagatatcg tattgggctt tcttggaggg     660
ttgatcgggt ctgtatag                          678

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<210> 5821

<211> 273

<212> DNA

<213> A.fumigatus

<400> 5821

cgagtcccgc	tcagggatac	ccgggggacgc	ccatcaatcc	tcaaagtccc	ccgcctgccg	60
agttacagac	gacaacggtg	tccatgtcat	accccgggca	gccagcgggc	atggggctac	120
cccggatggc	atgatatgaa	cggtatgccg	acaatgaacg	tagtgcaata	tcctatggat	180
acggcggacc	cggcacagca	ggcagcattt	ggagctcccc	cggcacatat	gggtcattcc	240
gggcaggggc	ccgtcgtcga	cttgatgagc	tag			273

<210> 5822

<211> 555

<212> DNA

<213> A.fumigatus

<400> 5822

acaacagatt	tgctgactga	acctcgtatc	gaaggggtcca	cgaatttcgc	ggcagcacca	60
acattagacc	cgtcagttcc	gtgggacgaa	tacacgacga	tctcggaccc	ccagatactg	120
agcgcaatgg	cggcagggaa	gcatcagatg	atgaacgtgc	ctcctaacgc	atggagtccg	180
ggaccgaaca	acatgggtggc	tatgcctccc	aacccccgaa	tggcagcaac	gccaacggtc	240
ccgtcccagt	cgcagccgat	cagccccgtg	cagacgtatg	ccatgcaacc	ggacgggtca	300
gtttggccgg	tggcccaacc	gacacgctcg	atgacctttc	ctgcacagcc	ggagatggct	360
tcgtaccgca	atccgagcca	attcagtcag	caaatgcaca	cggatctcaa	acgcagaatg	420
acgagtcccg	ctcagggata	cccggggacg	cccatcaatc	ctcaaagtcc	cccgcctgcc	480
gagttacaga	cgacaacggt	gtccatgtca	tacccccggc	agccagcggg	catggggcta	540
ccccggatgg	catga					555

<210> 5823

<211> 198

<212> DNA

<213> A.fumigatus

<400> 5823

cctttttgcg	ccccgctaaa	tgacccagtg	gtcccaagtt	taaaaagcca	ataccaaaaa	60
aatttcgggt	atgaacagaa	gaaaagcgaa	ttaagcggaa	tgcattggcg	gccaacgggg	120
tattattcta	aaagcaaaat	ttccttcttt	gttaaaatat	ctgtcttccg	ggttcgggct	180
gtaaagcagc	caagctag					198

<210> 5824

<211> 276

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (243), (252)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5824

aaagatcccc	ggaagggggg	ggaccatacc	aaacagaggg	acccctgttt	ccggggggcg	60
aatcatgaaa	tgggggtggg	tgatcccggc	ggatcccgtg	gacgggggtc	agggccagcc	120
ggtaaaggag	gcggtttggg	aaaagccggg	tgttcatcgc	ccgcggacac	gttggagtgt	180
ctgcgcggat	tggattatac	cgattttctg	aatgcgcca	acgcggtgcc	aggcatccta	240
agntaccatt	cngtgcccct	gtcataacct	ctttga			276

<210> 5825

<211> 690

<212> DNA

<213> A.fumigatus

<400> 5825

ccgaacggca	aggcgatcac	ggccagccca	gacatttttg	tcaaaaccgg	caaatacgcc	60
gccgtgccca	tcacatcgg	cgaccaggag	gatgaaggga	ctttattcgc	gctcttccag	120
tccaacatca	ccaccaccaa	acaagtgggtg	gactatctgg	ccaagtatta	cttctttggg	180
gcgacgcgcg	accagctcga	ggagctgggtg	gcgacgtatc	cggacgtcac	caccgacggc	240
tcaccccttc	gcaagggcac	tttcaacaac	tggtatccgc	agttcaaacg	gttggcagcc	300
ctgctggggc	atctcacctt	cacgctgacg	cgccgagcct	acctcaaata	cgtgacggag	360
cttcaccca	gcctgccttg	ctggctcaca	ctgtcatcgt	acgactacgg	gacgcccatt	420
atgggcacct	tccacggcag	tgatattctg	caggtgtttt	atggcattct	gcccaattac	480
gcgtcgcgcg	cgttccacac	ctactatttc	agcttcgtat	acgatctcga	tccgaactct	540
cgccggggta	gtcttatgga	atggccgcgg	tggaacgacg	accagcagct	gatgcaggtc	600
ttcaacaatc	ggggggcctt	gctggccgat	gatttccgca	atgacacgta	caactttatt	660
ctggagaacg	tggattcgtt	ccatatctag				690

<210> 5826

<211> 303

<212> DNA

<213> A.fumigatus

<400> 5826

accatgagag	ttcctgatgt	gatagccctt	gcagggcctt	tagcgggtctc	aggggctaca	60
tcctctggcc	aggagaccct	actcatgccc	aggaagcagg	ccacgcagcc	aaacgtgctg	120
ttcatcatgt	ccgacgacca	agatctggaa	ttgaattccc	cggccttcac	accgtatatc	180
cagaaacata	tccgagacaa	gggcgtcgaa	ttcaccaatc	acttcgtgac	aacctcgctc	240
tgctgtccgt	cgcgggtcag	tttgtggaca	ggacggcagg	ctcacgacac	caatgttagt	300
att						303

<210> 5827

<211> 699

<212> DNA

<213> A.fumigatus

<400> 5827

tcacctacct	cgcgagaaat	tgctgaattg	acgggggtcc	cttcggagat	ggccgacgtc	60
gaaagcaacg	tcgcagacga	gtcgtttgcg	cagtcggaaa	cccaggacga	gcagccttcg	120
cacagtacag	tcagcgcgac	ggttggcatc	aggcgtcagg	cgaatggcac	cattggctcc	180
gtctactcag	gaaacaaaat	caggcatctg	aaaaaggaag	atgggtatgcc	actctggcgc	240
aaggacatcc	agtaccagtt	tctcaaattg	gtcttcgagg	acaagactcc	agtgttcaact	300
cgctggtccg	atggcaagaa	gggcttggat	tttgcggata	tttacattga	tgcgatggcg	360
aggagcagta	agacgagcaa	gatacttaag	gacaaactgc	agagcgataa	gcaagccgcc	420
attaatatgg	cgatggtttg	tctgcttggt	aactttggga	ggatgaatac	cactttgaac	480
tgtatggttt	tgcccttctt	tttgtctctt	cactcagcgc	tcttcgogat	ctcattcctt	540
tctaaatcct	cccttaaact	tgtgccattg	gatctcgaga	ctgacttgga	gacaaattca	600
gttttccccg	aaatgcgcgc	tcaactacgg	acttatcact	ctattccctt	cctgcaggca	660
caccaagaac	ccaacgcata	caagccactt	ccagatgct			699

<210> 5828

<211> 285

<212> DNA

<213> A.fumigatus

<400> 5828

cgaaaaaagg	tcttccgagc	cgtcaacact	ctgtgcatga	aatactacaa	tcagagccag	60
tcgtctcgcg	ccttgagat	gatcgtccag	gcctactgga	ttgaatgcta	tgaagcacgt	120
attgcoctca	tccggctgga	gaacccgcac	ttatccagta	ctgaggcacg	agtgactgca	180

ctgaaagagg	cctgtgcagt	cctcagctgg	aaggaaaagg	acctccgaaa	cagaatgtat	240
ctcagtcac	cattttcctt	ctccaaacct	tcactaacgg	ggtag		285

<210> 5829

<211> 1095

<212> DNA

<213> A.fumigatus

<400> 5829

gtcagggaaa	aatttgggta	ttacactcat	ttgctgcttg	gtgtgtttgc	aaaccaaggc	60
atcatagggc	tcagcaaagc	acaattcgag	ccgattgctg	acgcattctca	agaagcttgg	120
ctgttccgag	acagtatcaa	ggaccacatt	gtattcggga	ctgcatatga	tcaaaaacgc	180
tacgagcggg	tcattagaga	ttgcgcgcta	gagaaagatc	ttgcagcttt	caaggacggc	240
gaccttaaag	aggtaggtga	aggtggccgc	agtctctctg	ggggtcaacg	tcagcgggtg	300
tcccttgccc	gagcaatgta	cacgaacgca	aatgtcgtca	tattggatga	tatcctctcg	360
ggattagatc	caagcacctt	cgagtgggtg	gtgacgaaat	gcattctccag	gtcggagcag	420
cagaatcgca	caatgataat	ggttacgaat	agtcagagaa	tactccagat	ggctgatcta	480
gtcattcaga	tggagaatgg	cagaatcgcg	caaataaaga	agaatctcag	caccgaaagc	540
acacaagacg	tgcccagaca	ggattacgtc	ggtcatttgt	tccatgatac	accagaaatt	600
cctgaagtag	tgtctgcaac	ccctgaaagc	accggtggca	gagatgagat	gagccgggtg	660
tctgcgagg	cccccaatga	aggtgctgat	tttcagcgcg	tgagcagttt	gagatatggg	720
aagtctagca	gtattgtcca	tttccaggta	ttaacccttc	caggtttcaa	atacatccga	780
tcatttggca	gtcggccatt	cgtcacctta	gcagtgatct	ccactgtagg	agctcaagcc	840
ttggagattg	gactaccagc	atggctctcg	atgtggagtg	ctatatcagt	gagaaatgaa	900
ggggaaggta	gggatgggtt	ttacttagga	ttttatgcag	gtatatcatc	tccttctgat	960
cgcgtcaggc	ggcaaagtct	gactgcaaga	gcaggactcg	gctcagcaca	aatagcaata	1020
ctggcagctc	cgctgttgtt	gccatactcc	gggtggctgg	gcgctccaat	tcgtggacaa	1080
gcatatggaa	attga					1095

<210> 5830

<211> 303

<212> DNA

<213> A.fumigatus

<400> 5830

ttcgcgaact	acaccacat	gtatggacat	tttcttacct	atcttcagta	tttccgtgag	60
ccccagatga	agcccaacga	gcccagcga	cccggtagcg	ccgactacaa	cgagcgcttc	120
tggagacgtg	gccgcaacga	gaagatcatc	acggaaaacc	agcctctcaa	gggaaaagca	180
ggcagcagtc	gctgggataa	ctctttggcc	ctgcttacta	ataccagtca	gcccctgaag	240
atgtgtttcc	atcaatttga	ggatcacctc	gcagttgcgg	atgaccggga	cacgatcgcg	300
taa						303

<210> 5831

<211> 1263

<212> DNA

<213> A.fumigatus

<400> 5831

tggttttcgga	tgatttttgt	aagaaatatc	cttcaggga	cagaaatgtg	tgcatttttt	60
gggggggttt	tgagattttg	ttctgagcat	tctggactga	tgtgggaaat	tcctttactc	120
cgacaatggg	cagttctctg	catcagcatg	ctctggctcg	actttcccca	agccaagtgg	180
atgggattcc	ggtgtggtgc	accgccagga	ctctgggagc	tcaatttcga	ccccgttccg	240
gaggtcaggg	cagcgatgct	ccatgcggcg	accacattct	taggcattcc	tgattggacc	300
gatcaggtgg	cacagattga	agaatccctg	gcattggctg	tgctgcccat	ggcatcagac	360
ggtagtgtcc	tggtgagaaa	ggagctcctt	gtcttctctc	cgacctttgt	caaacgctac	420
cagaacaaat	tcctggctcg	cgcatacgaa	gagttccagg	acgagaagca	aacctttctc	480

cttcggttag	agcacgacgg	ctctcgaggg	ttcacaatgg	aagatgtgca	gaatggaact	540
gcaaactcac	gcaacaaatc	acagaaattg	tcgcagaata	ccgcgttcgg	cacgatctgg	600
aaacaacttc	ttatactctc	tgttgaccca	caccctgata	ttgcgcaaga	cgctagcacg	660
attattgact	acatccacct	cacccttcta	gcgtctccca	tggcgctcgt	tactgacaag	720
gccccgaaag	aaattatgga	actcactagc	cggttgtcac	agaaattaca	agttcgcgag	780
agagcggaat	cgaaaaaggc	cgcgcctcca	ccagctcctc	cttcccagac	ggctgctccc	840
aaacaggaag	gatacttgtc	attgagtatc	aaaagaacag	ccagtgtggc	cgcttctactc	900
aagaaccttg	ctttcgggtg	accccttcag	aacgagcaac	aatcatcgca	gaacgtaaca	960
tcgcccacaa	agagccgcac	tcccgtcacc	cctcgaggac	gtgccccccc	cgaatggacc	1020
cggcctccgg	aagtcaacga	ccaggctcgt	tccgcggccg	cttatcacca	ggctccaatt	1080
cctccctcgc	gcggttttga	accccgcagc	ccatctctag	cccccattgat	accccttctg	1140
agtcggtttc	ttgattgggc	cacagaggta	agcccgagcc	tttctccatt	tgattcgcca	1200
actacacca	catgtatgga	cattttctta	cccatcttca	gtatttccgt	gagccccaga	1260
tga						1263

<210> 5832

<211> 381

<212> DNA

<213> A.fumigatus

<400> 5832

tgtcttgatg	ctaattttct	ttacctgggc	agaatttggg	actggcagag	acacaagcgt	60
cttaataggt	tttccaacgg	gaacccgcgc	ggctcaagga	tcaacgaagt	tcgctatatc	120
aacgaggacg	atcaagcgct	gctgatgacc	gggtcctccg	acgggggtact	caaagtattc	180
agaaattacg	aatccccgaa	agagggtggag	atagtgacag	ctttccgtgc	tttgccggaa	240
ctaattccaa	gcaatagaaa	tgccgggtctt	gttttcgatt	ggcagcaagg	ccaaggcaaa	300
gcattgggtg	ctggggatgt	gaagctgac	cgtgtgtgga	acgcggccac	tgaagtctgc	360
accaacgtat	gtcctcttta	a				381

<210> 5833

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5833

ttacatatcg	tgaagtccag	tgtctcacia	aacaaggcgt	ttcacccgtt	ctacatgttc	60
caaattgcga	gtcttgcct	atggctactg	gatgaatact	attactatgc	cgtttgcatt	120
ttcttcattt	cggatttcag	tatctgcgca	accatttttcg	aaacacgaac	ggtatgtggc	180
ggctcgtcttt	tgactacgga	ctag				204

<210> 5834

<211> 294

<212> DNA

<213> A.fumigatus

<400> 5834

tcaatgggtg	aggctagcga	ggcagatgag	tccattatat	cttctcgcag	gtccaaacgc	60
ctgtattact	ccagaccctc	cgcagaggac	cctctctttc	cgcggcgccc	atcatcggct	120
ttttgtactg	gagagcgac	aattgacagc	aggctcacc	agaaagttaa	tatcgtgtcg	180
gaagacttga	ccattgtcat	cgtcgggttt	tcaacgagct	ccacaggctt	ggcgctatat	240
tctttgctat	gcgttattac	tttgggcttt	gcataatctc	ttctacgttg	gtag	294

<210> 5835

<211> 576

<212> DNA

<213> A.fumigatus

<400> 5835

cccagatgga	gagttcgact	aataggaaag	ccgacgcccc	ttcgattatg	tcaatgggtc	60
gcagtggagg	tgggttttcc	ccgcttatca	ccgtgtaaag	tcttcgctga	atatgtgcag	120
gatcaatgga	atcaattcaa	cgtatgtgaa	gtgttgagca	taccttacgg	acgtgcgcta	180
tccacagtct	ttgcggaatc	cgaaagtgtg	acacaggacg	aagataacga	tccaactgtc	240
tcatacctga	gatacattga	ttatcgttgt	ctccgcttct	tctaccaccc	tttcgaggac	300
aaatttagct	tgatcagtgg	ctggaaagat	ccactgtgga	cgaatatcaa	acgaatgcgg	360
gtcgggttgg	acgcggatga	tcacgatagc	cgtgcgcaaa	ttttcggagc	gaatgtcatt	420
gatatacagc	agaagtccgt	ttttcaactt	ttgatcgatg	aagtaagagc	catgcttttg	480
attacatatc	gtgaagtcca	gtgtctcaca	aaacaaggcg	tttcacccgt	tctacatgtt	540
ccaaattgcy	agtcttgtcc	tatggtcact	ggatga			576

<210> 5836

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5836

ctgagctcga	tgcagacgat	gaaaaggttg	agggaaatct	cgttttttga	gtgcgatacc	60
cgcgtgctta	ggaatggctt	ctgtaagtat	tcatacgtct	gcatacaggaa	ctggaacgca	120
aagttaattt	ctggactggc	agggaggact	gtcccttctc	gagaattggg	ccccgggtgat	180
gtctttgaat	tttcggatcc	gtctttgaat	caagttccct	gcgattgcat	cttattgtct	240
ggagattgta	tcgtgaatga	aagtatgctg	acagggtctgt	ga		282

<210> 5837

<211> 282

<212> DNA

<213> A.fumigatus

<400> 5837

aacgccttgt	tttgtgagac	actggacttc	acgatatgta	atcaaaagca	tggctcttac	60
ttcatcgatc	aaaagttgaa	aaacggactt	ctgctgtata	tcaatgacat	tcgctccgaa	120
aatttgcgca	cggctatcgt	gatcatccgc	gtccaacccg	acccgcattc	gtttgatatt	180
cgtccacagt	ggatctttcc	agccactgat	caagctaaat	ttgtcctcga	aagggtggta	240
gaagaagcgg	agacaacgat	aatcaatgta	tctcagggtat	ga		282

<210> 5838

<211> 228

<212> DNA

<213> A.fumigatus

<400> 5838

ttcaaagacg	gatccgaaaa	ttcaaagaca	tcaccgggga	ccaattctcg	agaagggaca	60
gtcctccctg	ccagtccaga	aattaacttt	gcgttccagt	tcctgatgca	gacggatgaa	120
tacttacaga	agccattcct	aagcacgcgg	gtatcgact	caaaaagcga	gatttccttc	180
aaccttttca	tcgtctgcat	cgagctcagc	tatttggcta	gtccgtag		228

<210> 5839

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5839

aagccagggc	gcttctcttc	tgctgttgcc	tcccaggctt	tggcgaacag	gacgacatca	60
tatacgca	atcttcgaac	gatacgtaca	caactgcaag	gagctcgctt	ggcaatggga	120

tcgacagtcg	agtatagtac	tatccgtcaa	gcgacttcta	cggaacctgag	cacgcagaat	180
ttcggctctgc	caagtagaac	tatcacgcag	ctagaccctt	ctctgaacgc	ccggattggc	240
attgttatat	cacactacaa	aaactcgtct	tcaccacggg	gctggaagga	tcagcgctct	300
cagtaa						306

<210> 5840

<211> 1308

<212> DNA

<213> A.fumigatus

<400> 5840

ttttcattgg	accggttgag	ccacggaata	attccccttg	ggaggaaatt	ccttagaaaac	60
gggggaaggg	gtccgaaaat	ttggggccaat	gtttatttcc	ttgagcccca	ggagggaaac	120
aggtttttaa	attctctgat	atcatttgga	aagaggcagg	tgaatcaaag	gccccatttg	180
gggattgggt	tcaattatca	gacacctgtt	tcgcagcgat	cgggagctgg	gatgagaatc	240
agaaacaggt	tttgtgggat	gtctcaatgg	aagaagcact	ctcgcgataa	gtctcgtcaa	300
cgtaaagtgg	ccagtctcaa	tgagttagac	aatattcaac	gaattcctaa	atggcccgga	360
agtaagaggt	cgccagtgcg	tcttgctttt	ccgcgattcc	ctccaccata	tagatcacc	420
acacctccgg	gccttccatc	tttcggaagt	cctgaagcga	tatcctactc	aactcagttc	480
ttcgttcggt	cccttggtcg	cgagggggcat	atccaacaga	gacctccacc	agccacaggt	540
ccaccgactt	cgaatggtgg	cgaggtggcg	tcttatgggg	aaagcttgcg	caggttcttc	600
ggattctctt	cacctgcccc	tctcggcct	actggacagt	cgatccctgt	tgcaagggcc	660
ggagatggta	cggcagtgtc	aggacgcttt	ccctatcggc	atagcgccca	tggtacaagc	720
ttggtcagac	cactcgacga	ccatcctttc	caccggaggg	cgcttcctgc	agccgattgt	780
gagactgtcg	aggaggaaag	cgactctaac	cgtccgaatg	aatatagtag	gaggcttggt	840
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aatcgtcgtt	tcgattcttc	cagtgtcacg	ccagcaatac	ctaaacagac	tgtgactggg	960
cgatctcgaa	acacaggggtc	tgctacgggtg	tccctggcga	aaaaccccat	ccatagacag	1020
actagcatct	cccaaact	gcatggctcg	acctcattga	gtggcaatga	gccccagcaa	1080
cagagttcgg	atcgaattgg	cgagcctcgt	ttatctgtcg	aaatgaccgg	aacagtcccc	1140
ggatcagcag	acactttgct	gcagtttcta	aaagccaggg	cgcttcctct	ctgctgttgc	1200
ctcccaggct	ttggcgaaca	ggacgacatc	atatacgcac	aatcttcgaa	cgatacgtac	1260
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<210> 5841

<211> 633

<212> DNA

<213> A.fumigatus

<400> 5841

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cgccaacggc	agccggagga	cttcgacagc	ggcgacgacc	tcgtctcgac	ggcgggtgcag	180
agtccggccc	ccgcgcttgg	aggcgacatc	tcttctgaag	atccgctggg	atgcctaggt	240
tctgctgagg	cgctccgtct	cgtcgacgtg	tacgagaata	ccgttggcct	gatgtaccct	300
tgcgtcgatt	tggcgagcgt	gcgtgtctat	attgccgagt	acttccggga	taaggacggg	360
atggagccta	tttcaccgcc	tacgctggac	caggagtggg	tcttcgcgag	ggatatcgag	420
gtgttgaaga	tcttactggc	aacggctttg	ttagccgaga	cgcatggccg	cagtgagaag	480
gcggcgctgc	tggcggatag	cgtggaggat	cggttcgcaa	caaggctcaa	agtccttgag	540
gtggatatga	aggagttgct	cattttgact	ttgctgggat	ttccgtcatt	tctgcgtgat	600
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<210> 5842

<211> 1032

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (430)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5842

tccatcttcc	attcctatcg	cgacgacgaa	gttatatcct	ggcggcttat	cggcatggcg	60
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gtgttccccg	gagagctgca	gtgtgaatat	gccagccggc	tgttctgggtg	catctacgtg	180
ctcgaccgca	aatggctcct	cggcacgggc	ctgcctttcg	ccatccagga	ctccgacatg	240
gacaccaatg	tacccgaacc	cggcacaagc	acaccctacc	tcacctgcat	gatcaagtac	300
gcgctctaa	gcaccaagat	ctggggccta	gttgtggggg	ggcgcaacag	gtcccagagc	360
gcaacagcag	actattgctc	ctacctcgac	ttccagggtcc	agcaatggat	ccagtctatc	420
cctccggagn	tacgcttcaa	cccggcccgg	tcaccaatgc	tgtctgagcg	cgccgggtgc	480
tcagccacag	ttacggctac	tccacaaccc	cattcccaat	accacacaca	aaccgacagc	540
atgatgatgc	tccaagtcct	tttcgcccgt	caggcaaac	aactccgcat	cctcgtttat	600
cgccagaaca	tcctctgcag	cgagagcatc	gaagccgacg	tgtctggcgc	ctcgaccgcc	660
gtcgaacacg	ccaaaagcac	agtgcacatg	ctcgattcct	tctcccaggt	gtcgccgtta	720
tacttccaac	gcccgaacc	cttcaattac	ttcctcatct	cggcattggc	ggcactgttc	780
tggcggtcc	tgcattgccc	cgacagggtc	agccaagtct	gtcgcccgca	gttctacact	840
gccgtcgata	tgggtgcgcc	gtcgctcgacg	cgcgcgcgca	cttcccgcgc	cttacagaag	900
atcataaaga	gcttgaagac	gatctggatg	aatcttggga	cgcagagacc	cagggagcca	960
gtgcagaaga	acgggccgaa	tcacgcgacc	ccgcgtggac	tggatgatac	gggggccccg	1020
cgtcggtttt	aa					1032

<210> 5843

<211> 786

<212> DNA

<213> A.fumigatus

<400> 5843

gtacaagaac	tatatattga	cccttccagg	gcctcacgcc	gccggaatgg	aaagcccgcc	60
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cgctgacctg	ggcgcgccag	tactagtcaa	tgcttttatac	atcctgcgcc	cttgacacgg	180
gctacgaggc	ggagtcgggg	gtttattgtg	ggccaacacg	cttctacaac	gtccccagcc	240
gaactccgtg	ggtcacccga	ggctttgtcg	tcttcagggt	cgaggtcaga	ccacttggtg	300
tcagcgggat	acttgggacc	gaccagtttt	gtttctgttc	tgggcgaagg	agacgggtgcg	360
aatgagctag	ttactgctgc	tgatgaaagt	tctgcggcat	cgtctgttcc	agcgtggtgg	420
gcgaagagag	ctagcgagggt	cgtcgcccat	ctcgtagtat	tccctgctct	caagcaactg	480
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gcactctccc	agatgcagga	tacctaccat	gcgtacctgt	tggatcaagg	agaggcagaa	600
attccggcgt	tggttgaaac	ggtccttgac	aacaccgggc	agaaatttaa	tgccccccct	660
accgtgggac	ggaccgcact	tccacaggct	ctacacaagg	ttcatggcct	gcgttttgga	720
agataacttg	ccgtggtttt	atgctcctgg	cagggtcaaa	ccaaatcaat	tccggattgg	780
ggggga						786

<210> 5844

<211> 279

<212> DNA

<213> A.fumigatus

<400> 5844

agacaagcaa	ttgctctcat	ggatcctgaa	cattgtacgc	tcgatacctg	tcccatacag	60
aatgcctaca	tccattacca	accaccatc	gcgggcaaca	gtgtctatct	ggcactattc	120
ggcatcttcc	tcttcaccca	actaatccag	tccatgttct	ttcgcatgtg	gggattcgcc	180

ggagctatgg cagctggact agttcttgag gttgcgggat acacggggcg cattctccag 240
catgggaatc ctttcagctt cgactacttt ctcttgtaa 279

<210> 5845

<211> 471

<212> DNA

<213> A.fumigatus

<400> 5845

atcatcatca	tctaccacgg	cgaagagatc	tgcggttga	agcccagaaa	ctatgccatc	60
ttcttcggtt	catgcgatgt	cattgcgctc	atcctgcaga	gcgccggtgg	agctcttacc	120
tctgcggccg	aagatgccga	tggtcgacaa	atgggattga	acgtcatgat	tgccggtcta	180
gtcttccagg	ttgctgcaact	gactcttttt	attgccctag	cttcggagtt	tgcaatctgt	240
ctacgacgtc	gacatctcaa	gggagaatat	cagggtttctc	acagtgcac	cttaaggaag	300
gacgattatg	cggctatacg	gagaaaagaaa	acgtggacgc	tcttctctct	ccttacgcca	360
cctgcccttt	gcctgacgaa	cgaagctaac	aatggcagcc	cttggtcttg	cgactatcac	420
ggtctatact	cggctccattt	tttgagtggc	ggagctgaac	ggcggttatg	a	471

<210> 5846

<211> 447

<212> DNA

<213> A.fumigatus

<400> 5846

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gattttctgg	ctgccgcgac	gcttcttcc	tctttgggtc	ataaaagcta	tggtctctcc	120
gccgcgcttg	cgcattttat	cagggttggtg	tcccagctct	tatctgcttc	tcaaaatgag	180
cttcacatct	tttctacaac	aattcactat	cacaagatcc	aaatgagact	catgtccggg	240
attgtgaaaa	gacttccgca	gcacccgccc	caaccgcgaa	tgagcccaga	gctaactcga	300
gcttggttag	tccggtggtg	tgctatttct	gcgttctct	cctgggcgct	tcaggctaca	360
acgtcctgtg	atgtgacctt	tgtctggaaa	tccgggattcg	aatcagtatc	tcagtatgga	420
gtatcattca	agtacgcttc	ctcttgga				447

<210> 5847

<211> 669

<212> DNA

<213> A.fumigatus

<400> 5847

cccttgctcg	gaaatcggga	ttcgaatcag	tatctcagta	tggagtatca	ttcaagtaag	60
cttctctctg	actcatcgtc	tttctctctc	aagccgttct	ttctgatcgc	ggcgaaacac	120
acaggctcga	aacatatggc	aatgaacgct	tcaagccccg	tcattggtacg	ttctctcatc	180
atggcttatg	tatcactcgc	agtaaaactg	ctgacatacg	cgttccgctt	tgtagtgtgt	240
cgcgctcctg	aagaagcagc	atctcgagag	aacgcatacg	actatgtcat	tctgtgcgtc	300
aaggcgctcc	ccgacgtcta	cgatcttgca	tctgttatcg	agtccgctcg	cacacctcag	360
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tccagcattc	cggcatcgat	tcagaatgac	atggctagtg	ctctggcgat	gactttgagc	600
tcaggccaag	tcaactgcag	ggtgtcggaa	aacatcagac	aggaacaatt	tgagcgcgatg	660
atagggtga						669

<210> 5848

<211> 264

<212> DNA

<213> A.fumigatus

<400> 5848
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 catacctttc ccttcatcat tgtccatata gacaagggcg atatggtcac actgtggaag 180
 agggaggtga cgtactggac tggagttgcg gcgctgattc cccaggcgta tttgaccttc 240
 atgtctttgc cggctatccg gtga 264

<210> 5849
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 5849
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 ccgcgacgcg ccccggcacc gagcaaaccg tcctcctcga aggtccctac ggcggcctcg 180
 ctgcatccgc aggcaaagac ctgcgcgcgt tcgacttggg tcttgatcat tcgggtggct 240
 caggcagcgg cttctcgcgt ggaattgtgg acgcgctgct tgcctcatcc tcgcactcat 300
 cctcctcaac accagctcta cagaccatct tcgcaacgcg caaccagtca atggcagagt 360
 ggtatgttga agaaatcgaa agccgcacat caacgtccaa tgtctctacc agaggcgggg 420
 acgtttccgc ctcggttttc gttacccgct aacaggaaca gcagcatcgg cagacagatg 480
 acgagagtaa actcccctcc acaaaacctc tcgcccgcag catgtcgcag atcggcataa 540

<210> 5850
 <211> 606
 <212> DNA
 <213> A.fumigatus

<400> 5850
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 cgtcctcccc tgtggtttgg tcgcgcatcaa aatcccaacc ttcataacct ggtccccagg 180
 ccaacacgtc ttctcgcgt ttttgaacgc ctcccagctc ggccctgcact ctctaaccgc 240
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 cagcggtctt tcgctgggaa ttgtggacgc cgtgcttgcc tcatcctcgc actcatctc 540
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<210> 5851
 <211> 966
 <212> DNA
 <213> A.fumigatus

<400> 5851
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 ggcttgggtc gcatcaaaat cccaaccttc ataacctggt cccagggcca acacgtcttc 180
 ctccgctttt tgaacgcctc ccagctcggc ctgcaacttc taaccgcca tcccttcacc 240
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gaaagccgca	tctcaacgtc	caatgtctct	accagaggcg	gggacgtttc	cgctcgggtt	660
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tccacaaaac	ctctcgcccg	cagcatgtcg	cagatcggca	taacacacgg	tccccggccg	780
gatctgcctg	ccttcattgc	cggctgtaca	tgcgcgtcca	gcgcgcgcgg	taagcggtta	840
ggcatcttcg	tctgcggggc	ggcgagcatg	ctgcacgatg	tgcggaatgc	cgctgcgcgg	900
gcgcagcggg	atgtcctgga	aaatggggccg	gaggaggtgt	atttgcattt	ggagccgttc	960
tcgtaa						966

<210> 5852

<211> 213

<212> DNA

<213> A.fumigatus

<400> 5852

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cgccaaaccc	caacgtcatg	caaagagca	aacattaatt	acgaagcaga	caagcgtctc	120
atcaacccct	ccctcatccg	cacattcacc	acccaccaa	ccccatacgc	aggaacaatc	180
ttccccatcc	tcgcaaaaaca	gctcgccaca	taa			213

<210> 5853

<211> 1590

<212> DNA

<213> A.fumigatus

<400> 5853

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gatgatcgta	accgcagtcg	ccaactatct	gtagttcccg	gaagtatgat	gcccaggac	120
caacttgccg	gcgtctatcg	ggaattgcag	gccattcggc	agcagcagca	gatcatttcg	180
aacaccatca	acaagttgag	gagagagcac	gaacagctct	atgcgcaggc	tgccaatttc	240
caggaacagc	ataatcgcca	tgagaattcc	atcaatgcaa	ttcttacgtt	cctggccact	300
gtgtataatc	gcagcctcca	gggacaggac	ggaccgcaga	atcttgctaa	ttctttcgcg	360
ggtgtcatct	cacaggatca	aggtaacgtg	gtcgacgtgg	gggatgactt	tccactgagt	420
gcgctagggtg	cggccaatct	caatagccct	aatgcacagc	gatcgatgaa	gaaacagcct	480
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gtgccacaat	actctggccc	ggccgggctc	aatgaatctc	acggaggtaa	gggaaatggc	1560
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<210> 5854

<211> 1068
 <212> DNA
 <213> A.fumigatus

<400> 5854
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 gctctgaatc tgggtgaatcc catcctggcc ttgaccaaca aggtcaagac caccatcgac 180
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<210> 5855
 <211> 639
 <212> DNA
 <213> A.fumigatus

<400> 5855
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 cccctgtgta gactactact acgactactc ctccctcctga gacctccact ccgtgcgaga 180
 ctactaccac tactaccgag acctctaccc cctgtgagac ctctactacc cctaccgaga 240
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 agaccactac cactcctacc gagacctcta cccctgtgta gactactact acccctaccg 480
 agacctctac tccgtgtgag actactacta ctccctcctga aacctccact ccatgtgaga 540
 ctaccaccac tactacacct cctacggaaa ccaccaccac accactaca cctcctgctg 600
 aaactaccac taccaccaat gtcctgttcc cccagtgta 639

<210> 5856
 <211> 693
 <212> DNA
 <213> A.fumigatus

<400> 5856
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 tcacacggag tagaggtctc ggtaggggta gtagtagtct cacagggggg agaggtctcg 240
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 gtctcggtag gagtggtagt ggtctcacac ggagttaggg tctcggtagg agtgggtgta 420
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tcggtagtag	tggtagtagt	ctcgacgga	gtggaggtct	caggaggagg	agtagtcgta	540
gtagtagtct	cacagggggt	agaggtctcg	gtagtagtgg	tagtagtctc	gcacggagtg	600
gaggtctcgg	taggagtgg	agtaggcga	gtcgtaggag	gcgtggaagt	cgacgaagta	660
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<210> 5857
 <211> 1068
 <212> DNA
 <213> A.fumigatus

<400> 5857						
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ctcacacgga	gtagaggtct	cggtaggggt	agtagtagtc	tcacaggggg	tagaggtctc	240
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ggtctcggta	ggagtggtag	tggtctcaca	cggagttagag	gtctcggtag	gagtgggtgt	420
agtctcacac	ggagttagag	tctcggtagg	ggtagttagta	gtctcacagg	gggtagaggt	480
ctcggtagta	gtggtagtag	tctcgcacgg	agtggagggt	tcaggaggag	gagtagtcgt	540
agtagtagtc	tcacaggggg	tagaggtctc	ggtagttagt	gtagtagtct	cgcacggagt	600
ggaggtctcg	gtaggagtgg	tagtaggcga	agtcgttaga	ggcgtggaag	tcgacgaagt	660
agtagtggtc	gggggagtgc	tcacatcctt	ataagcatcg	atacccttct	ggatggccga	720
ggtgattccc	gaggacagct	cttcacgcgac	ttgcttgaga	gcctccggca	ccttgccaga	780
cagggtcgta	gccaaagtct	aggaggccgt	gtattgggtc	aacaactggc	tataggtggt	840
aggaccgcg	ccggcctcga	cgatcagact	cttcttgagg	atgaggtcgt	cgatggtggt	900
cttgaccttg	ttggtcaagg	ccaggatggg	attcaccaga	ttcagagcgt	ccacttggtc	960
cagagctggc	tgggccgcca	cggtggatgt	gccatcggtg	atggtggaga	tgaggtctgc	1020
agaagcatcc	acgatagcgg	acgtatcgcc	tccagtgtag	gccttgat		1068

<210> 5858
 <211> 186
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (96), (174)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5858						
tgccggctgt	caagatataa	cacgttcac	cttcgtgata	acagcaatct	gggtcacctg	60
gatgtggttg	ccatgtcaac	caccaacatc	caactntata	ctcagactat	caacatgaga	120
caatcatccc	aacaaacgaa	tgtatataca	ttattcttgt	ccacacccaa	gaanagcaac	180
ctatag						186

<210> 5859
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 5859						
ctcgaacggt	tcgatcggca	ccaacctagc	gataagttga	ccaacaggcc	accatacact	60
cagcatgggtc	aagagatttc	cgggaagcaa	aggcaggaat	tccaagaaaa	gagcgccatc	120
aaccggcaga	ttaccgcca	caccgaggcc	caggcaggcg	aacaaagcac	agacactaga	180
tttgaggtat	attag					195

<210> 5860
 <211> 408
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (36), (129)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5860
 gggaccggat ttcgacctcg gacccggacc atgtcntgca gtcgcacatc ccccatcgtc 60
 cccatagtgg catcgccgga cctaaccacc atcatgccat ttttcaaccc gttccgaaaa 120
 cacgaccana caaccttcca cgggtgtcgtc attcccccta gcagtgcccc atcgcatgcg 180
 cgcccagaaa gccagccct ggaaaagaag ggaagtccaa aggagaaacc tgatgattcc 240
 agtctggaca aggtccatc gcaggagaac ggctctgccg ctcccatccc cgagcgagc 300
 catctgacca ttgaatctct tcgtgcggag atcgagtctg atgttgctgc ttcggggcat 360
 gatactgctt atgaccgtat gtttttgtgt gttgtctgcg actattga 408

<210> 5861
 <211> 480
 <212> DNA
 <213> A.fumigatus

<400> 5861
 ccctctttat ttgtggggcc tttggtttgg ccgcgcgtgg tgggtcccaca tggattgggt 60
 atgtccattc gatatttcct gtccgcagtt ggggcccggag cttgcgcgct aatatacctc 120
 aaatctagtg tctgtgcttt gtccgcctgc ctgggcctcg gtgttgccgg taatctgccg 180
 gttgatggcg ctcttttctt ggaattcctg ccttttgcct ccggaaatct cttgaccatg 240
 ctgagtgtat ggtggcctgt tgggtcaactt atcgctaggt tgggtgccgat cgaaccgttc 300
 gagctatgtg aattcaaacc atctaacaac tcgctagtct tattgcatgg ggcctcatcc 360
 ccagttatag ctgcgccgat gacctgccct cctgcaaagc agtcgggtgac ggagtcgcct 420
 gctgcggaaa ggacaacaac atgggctgga gatacttcgt gctcactatg ggctccttga 480

<210> 5862
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 5862
 aacctagaca ctaatcagaa tcagggagtt gcccttacat tgacaccggt cgcctctgaa 60
 ttcggcatct ctccactcg ggttcgtttc acaacctgcg cttgttctgt agggctttgc 120
 ctgggtgcat cttcttgggg tgctgcatca gatatctcgc gacgtcgacc agccttcaac 180
 ctgacctctt ttatttctgg ggcctttggt ttggccgccg ctggtggtcc cacatggatt 240
 gggatatgtc attcgatatt tcctgtccgc agttggggcc ggagcttgcg cgctaataata 300
 cctcaaactc ag 312

<210> 5863
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 5863
 caactcgcta gtcttattgc atggggcctc atccccagtt atagctgcgc cgatgacctg 60
 ccctcctgca aagcagtcgg tgacggagtc gctgtctgcg gaaaggacaa caacatgggc 120

tggagatact	tctgtctcac	tatgggctcc	ttgaccattg	tcatgtttat	ctgccgcttc	180
ttcctcttcc	atctctacga	gtccccaaag	ttcttgctcg	cccggtgctg	ccaggatgaa	240
gctgttgctg	cagtcacagg	aattgcctac	aagaacaaga	ctaagacttg	gctcacctg	300
gacattctca	atgagattgg	cggctacccc	gaggagaacg	ccccccaaac	gctcagcacc	360
aaggaaatc						369

<210> 5864

<211> 1026

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (19)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5864

cctcggagga	catatgcana	tgcacacgca	tatcacatca	acagtatctc	tgtgaacagt	60
gatggggaga	ctttcatcag	cagcgacgat	cttcggatca	acctgtggaa	ccttaacatc	120
caagaccaga	gcttcaacat	tgtcgatatc	aaacctgcaa	acatggaaga	gctgacagag	180
gtcatcaccg	ctgctgaatt	ccatcccatt	agctgcaatt	ggtttatgta	cgccagctcg	240
aaaggcacaa	tcaagctcgc	cgacatgcgg	cagcgcgctg	tgtgcgatga	gcattcaaaa	300
cgtatgtcgt	gcatgctcga	tatgaattcc	gtgaaacccc	cttggctgac	ctactttccc	360
ctagttttcg	aacaagagga	agatgcctcg	tctcgctcct	ttttctctga	aatcatctca	420
tctatctcgg	acgtccgttt	ctcgcacgac	ggccgataca	ttgtgtcaag	agactacctc	480
acagtcaaga	tctgggatgt	caacatggag	aggcaaccgg	tgaagaccat	tccgatccac	540
gagcatctac	ggccacgatt	gtgtgacacg	tacgagaacg	acagcatctt	cgataagttt	600
gaggttgtct	tctcgggtga	tgcggagaac	ggtatgactg	gtagttataa	caataacttt	660
atgatctatc	ccacggaccc	tagcaaggaa	acggagatcg	tactgcaagc	agacaagtcc	720
gccttcaagg	ccaagaaggt	cgggtgtgcc	acacctatga	ataagaatgg	caagaagaac	780
gggtccaggg	ccggtagccc	tgctggtcct	ggcagtcgga	tgaagaaaga	gaccgatgcy	840
gatcagatcg	atttcaacaa	gaagattctg	cacatgagct	ggcatcctta	tgaggacagc	900
attgccatcg	ctgctacaaa	taacgtgagt	atccttgctc	tacatttccc	ctcctgttat	960
cattcttgtg	attttgcaaa	ggtgctaata	cagtcggaac	agctgtttgt	cttctccgcc	1020
ttgttaa						1026

<210> 5865

<211> 495

<212> DNA

<213> A.fumigatus

<400> 5865

acagttctta	caaaagttcc	cggctcgccc	gggagaacgg	cattgggggt	tagtccaatc	60
acaagttatg	agattgggcc	tggcgcacac	ggaggcacia	tcaattctat	tgtttggaat	120
caagatacaa	acatcttcac	aacagccgca	gaggatcgga	aggtccgctg	gtgggatctt	180
cgttctcgcc	atcctgtcat	cgagtagcgt	gtcgaaggca	cgataggtag	ctgcgaactc	240
aacaccctcg	ccactcgacc	caatgacccc	ggcatcctaa	ctgtcgcggc	cggaaagagt	300
gtatacctct	tcgatgggtg	cacccccggg	cggcttttga	agaagatgga	ctttcgatac	360
gaggtcgcca	gcgccgctgt	gaacaatgat	actggccgat	tggtcaccgg	cagtgtgac	420
gatacctggg	ctcgagtgtg	cgatctacgc	accgaagaag	agctcggtag	gtgtataaga	480
aacttctatt	tctaa					495

<210> 5866

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5866
 gccacaggt tactgcaact atggaatagt ttccctgcct acagtgaacc ttactcccac 60
 gagacgaggt cagtgttcaa tactgactat cgatcgactc acctgggtct cgcgactcct 120
 atgctcgcca catgtccagt ttataaccag catataaccg ggaccgcccg aacatctacc 180
 ttttgcaatg cagtgtctgag tcgcctatcg agataa 216

<210> 5867
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 5867
 gggcattctg tcagctcact tcatcatctc ctactgacaa ttttgggtaca ggaaatccga 60
 cggaagagca ccaaagaatc gcaagacatc aaggaagagc tgcagcggaa acagatgatg 120
 aaggaagcgg ccaagaagaa gcaagaaaaa ctggaggaaac ttgaagccaa gcgtcgcatt 180
 aaagccagga ttgaagcggg taaagaagag cggagactga gagctgagcg ggagaaagcg 240
 gagcgtgccg gcatggcacc tctgcacaa caagctgctc cagcgcctac aacctcggga 300
 cctgttgctt ccaagcctgc agctgcttac actgagactc gactgagatt ccagacgccc 360
 aaggggaaca tcatgaaaac aatgcccgtc actactacct tggtcgaagt tgccgcagcc 420
 ctgaaacagg aggacggcat tgacgtgcaa agctttgtgc aaaactttcc tagaaaagtc 480
 tacaacgccc agttctttgg tgagtctcta aaagaccttg gacttattcc cagtgccagt 540
 cttattgtcc agtga 555

<210> 5868
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 5868
 tgtacctatg tttatctcaa ataccatggg ggcggtttca gtaacagtct ccccatggtg 60
 attgtattcc ggttcctggc tggctcttcc atcccccca ttttcttgaa cccggccatc 120
 gcgtttgatg tgttcatcgt catcatcata catggaggaa ggtacatggt cggcgccaag 180
 gcaccccggg gctga 195

<210> 5869
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5869
 ttggcggtc gggctaacgc gctatatata tatgtatata cttatatggt tggccactta 60
 ggtgttacgt cattggccaa taatatcctc cacttcccag tttctataacc tcagtctttc 120
 caggatccct cctttacaga gtatatatgc cctacgggga gattccgggtg ttatctctcc 180
 agaatgtcag ccggaaactt taaaagtaa 210

<210> 5870
 <211> 1326
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (15), (103)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5870

atattttattc	gacgntgcct	cgcagaaagg	aagtcactta	cgtgcattgg	aagtaggaca	60
ctgcggcatg	acggttcaga	cgttgatctc	tttcttttga	cgntagttac	tcaagctttt	120
acgttgagg	cagtcgacct	ttttggtata	cagggccggg	tagttcccgg	cttactccaa	180
cagtaacctg	ggcactttgg	caaactgaga	aaacttgatc	tctcgcgcgt	ctcccgaaacg	240
tccgggcccgg	aagcgctgat	cagcccagag	actctattca	gatggcggct	gcaggaactt	300
tctctgagtg	gaactgcggg	caatagagag	actgtcgatg	cgatagctac	ttatctggcc	360
agcgatcaat	ctcgcgacct	acgtatactt	cggcttgacc	agtgtggatt	gacagggcag	420
gatgtcgcca	tttttctgca	ctcaatagct	gtgggttggtg	cacctcgga	tctgcatctc	480
tatgtcagtg	aaaaccgtct	agacctgggt	tgttcctatc	ttttcgacgc	tatagctcag	540
aataagacac	cgtcgcacat	ttcaatgagg	atgattgact	ttaaaaggga	agagcaattt	600
caggacctag	tggaggctct	cagaataaac	cggaccctga	agtatctcga	catttccaaa	660
gcctcactgc	cgtatgacgc	cggaccggag	acgtgcagat	cgctccagtt	aatgttcgag	720
gagaacagca	cattggaaag	cctggatata	agcggagaga	gtgcacactt	ggatgtggca	780
cgattttggga	ttgggctaaa	cctggccttg	actggtttga	aaaagaacaa	gtccctcaag	840
gtcttgaaga	tagagcacca	gaaacttgga	tttcaaggcg	cgagtacttt	ggcctccgtg	900
ctggaggaga	acacttgctc	gcgagaagtc	tactgtgaaa	ataacgacat	caatttgcaa	960
tctgtcacgg	tcctggtcaa	cggactccag	cgaacacagga	caatcttgaa	tctctcttcc	1020
atggaccagg	accgggttca	gtccctcgat	aaatttcggc	gggagattga	gaatgtcaag	1080
cgtgatctga	gccatgcgca	gagttccacg	acgagctcta	ttcgcgcgtc	gatccacgct	1140
gcaattcatg	tcaagaatgc	gacgggttggg	aataagctgt	ccaaacattc	ctcagctgcc	1200
aaccctactc	gttctatgac	ctcgccatct	ttgagctcag	cgtcgaccac	cgccgttgcg	1260
gcttcccatg	tgatggatca	cgatgttgag	attattctgc	aatccttgaa	tgaaaaatgg	1320
gattaa						1326

<210> 5871

<211> 699

<212> DNA

<213> A.fumigatus

<400> 5871

gggggttgccg	gtctgcgtcg	ctatctgttt	gggaactact	tctgtggcca	tggaatcgac	60
gatggctacg	acgatgccgc	tagtgatggc	cggccaacta	cggcggctag	tcttgggacg	120
atgctggaaa	acctgaaact	gaatggtccg	gaattcagcg	aagaggaacc	cacgttatct	180
cagactagct	tgagggtac	accgcaatct	gacgagaaag	cgcactctcc	aacaccatca	240
actgccagta	cagaaagcaa	gagcagccac	ctagacattt	tcaagagcct	cgacgccgat	300
agtggctttc	gagccgaact	cggcgatcga	ccacagacag	ctggtgacgt	gctgacccat	360
ggatccgcag	gcttgccacg	agagtactct	acctctaatt	cacctcggc	gcgtttggca	420
gttccgggtc	ctgcgatgcc	ttcaattaca	gtcaaacctc	acagcgtccg	aagtggccgc	480
agctcgagct	ccatgtcgac	aagcgccggg	actacaatga	gttcacgtag	tacatacggc	540
acagcttcc	ccacactaag	gggcttctc	agcaaaggcg	tatcgaaaga	tcggcgtggc	600
cttgataaat	tgaaacctgg	gcctctttgt	gtctctagtg	atgcgcctcc	ccagctggat	660
tggacaccac	ctcagctaga	actacgtggg	ttccgatag			699

<210> 5872

<211> 1338

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (612), (706), (717)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5872

gccccatgga	ttttccacgg	ctgggtgtcg	cgatgccccg	cagagaccgc	caataagtcg	60
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ctcagtctct	cattgactcc	gggagcaact	acagatgacg	aaaaaatatt	caaaccgtat	120
gtctctcggt	cagcggggga	gatccccag	gcagacgac	ccaacggccc	tgggcttagc	180
gaaccagaa	ccatttcttg	gggtcagagc	cgcaaattca	atcagccgca	atccacggct	240
caagtcacac	ccgaaccgtc	aatcttaaga	gcctcaggtg	ccgggggatga	cctgaatggc	300
cagttctgtg	attcagtttt	agagactcca	gattctgagg	aggatcatgg	aagtccccgt	360
gcgttactct	ctggtgatga	ctgggttgct	aaggcggcag	aacaaggcaa	tgggtgggctg	420
cgcaatgcgg	tctatgcagc	cgcagaaacc	ggtatcctga	caaacaaaat	gtgggtgggc	480
acactaggca	tgcttaccga	cttggtgaag	gatgcgacac	gcgccagcat	ttctgagaca	540
ctcgaagacg	agtacgagtc	gttgacggta	ttcgtacgcg	atagcgagtt	cgacggccat	600
tatacccatt	tntgccgttc	agttctgttg	gcagccttcc	attatcagat	gccagagaag	660
ccccgacaca	ctgaatacga	cgactattcc	tggagacagt	atgtcnaggt	caatgangcg	720
ttcgcttaca	ctatcgctgc	togatggcgt	cctgggtgata	gcactctggat	ccatgactat	780
catcttttac	ttcttccaca	gatgctccga	cagcggttac	cccaggcaga	gattgggttc	840
ttcatgcatg	ctgcattccc	atcctccgag	gtgttccgct	gcttgaattc	tcgagatgca	900
ctactgaatg	gtcttctggg	ctctgacttt	gtcggcttcc	agacagagga	gtactgtcac	960
cactttttac	aaacctgtag	ccgtctcttc	agtttagaag	tgaccgttgg	cggcgtccaa	1020
ctgaaagatc	gatttgtccg	cgtaagaggt	attcccattg	gaatcgacgc	caacgccttg	1080
gaccacctac	gccagaccaa	cgaggtaaag	gactggattg	cgaatatttc	ttccaggtat	1140
agcggtaagc	acctaattgt	tgcaagggat	cgattggatg	taccgggcgg	gatcaagcag	1200
aagctgttgg	cctacgaact	gttcttgaag	aagtatccca	agtggaggga	aaacgtaagt	1260
gtccatattc	tatatgacct	acgagtcgac	gtactgatag	acacagggtg	ttctcatcca	1320
gatagcgtca	gcactgta					1338

<210> 5873

<211> 819

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (659)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5873

acacagggtg	ttctcatcca	gatagcgtca	gcacttgaga	tgcttgaact	agagtcacaa	60
atctcaaaga	ttgcaacgag	gataaattcg	aagtattcga	cgcttacaca	ccagccgctc	120
gtgctcttga	gtcaagacat	cagttactcc	caattcttgg	ctttaatgag	cgtggcggag	180
atcttcatgg	taacaagtct	acgagagggt	atgaacttga	caagtcagga	ctacatccac	240
tgccaggatg	gcaaagtgc	gccgcaatac	catggatccc	tgatcctgag	cgaatttacc	300
ggcagtgctt	cgatctttca	tggacacgag	tttcttgta	acccgtggga	ctacagagaa	360
ggtgcagatg	cgattaacaa	ggcactggga	atgtcgccc	aacagaagca	acacaactgg	420
gagttcttgc	tcaagaagaa	aggcgcttca	cacagccgta	gcgtggtgca	attcgtttat	480
ctcagccctt	gccgaagctc	acagcgcgca	attgtcccgc	gaactcagcc	ttgtcgcgac	540
actctctgta	cccgacttga	aggagtcatt	cgagaaaggc	aaccaagcga	ctcttcttcc	600
ttgaaggcga	aggagccgtc	gcttctgaca	gcacaccgtc	gctgcttgaa	gaacttctnc	660
gcgatccaaa	aaacctcgtc	tacgtcacca	gcaacaaaag	cccggagcag	atcgaatccc	720
aatttgcaag	cttcaccgat	agaaatcgat	acatcggcga	ggacgggtgc	ttcaagcgga	780
aaaatgggac	aactcaatgg	gaagcactcc	tggacatga			819

<210> 5874

<211> 324

<212> DNA

<213> A.fumigatus

<400> 5874

gcccgttctg	agcatctgtg	caagggtcaa	ttgttctctg	cctctcaatc	ccagttgatt	60
------------	------------	------------	------------	------------	------------	----

gttcacttcc	atgagaaggt	catccaagaa	gccgacggta	acggcacgcc	attcaactac	120
cacatcatca	tcggccgcga	aaagcgggac	tacctccacg	tttggctggc	ccttgatctg	180
agcgttctgt	ttgtatgctg	cgatgccgcg	ctggaggtcg	gcacctttga	gagccaacaa	240
ccccatatca	atgaggaggc	cgccatttcg	atattcagga	agtcacgtga	ggaggctcgt	300
gccagcgatg	tggatgttca	gtaa				324

<210> 5875

<211> 621

<212> DNA

<213> A.fumigatus

<400> 5875

cgttgtgtgc	gtctagacta	cttgctttct	catccatcaa	cgcttgccctc	gtctgtaccc	60
attgttccca	tcaccacatt	gtggacggtc	ctcatggatg	gattcgcgtc	aatttggccg	120
ccttcaagaa	cccagggttg	tggggtttct	atcggagatg	cttgggtctg	ctcaagcatg	180
ccccaatcgc	ctcctgcaca	accctgggaa	agcatcgtac	ccttccataa	acttacgcaa	240
tggctttgct	actcaatcat	ggtacccatg	gcaaagttac	tgaacatcca	catcgtggc	300
agcgacctcc	tactggact	tctgaatat	cgaaatggcg	gcctcctcat	tgatatgggg	360
ttgttggctc	tcaaagatgc	cgacctccag	cgcgcatcg	cagcatacaa	acagaacgct	420
cagatcaagg	gccagccaaa	cgtggaggta	gtcccgttt	tcgcgccga	tgatgatgtg	480
gtagttgaat	ggcgtgccgt	taccgtcggc	ttcttggatg	accttctcat	ggaagtgaac	540
aatcaactgg	gattgagagg	cgaggaacaa	ttgacccttg	cacagatgct	cgaagcgggc	600
tcatggaagg	tacgtacctg	g				621

<210> 5876

<211> 237

<212> DNA

<213> A.fumigatus

<400> 5876

cttcccttgc	aggtctactc	ttttgtgccc	attcctgggg	cgcaacagca	caaacgaccc	60
cgacgtcgtc	atgaagaaat	cgaacgtatg	tacaagtgtg	gttggaacgg	gtgcgaaaag	120
gcttacggta	ctcttaacca	cctgaatgcc	cacgttacta	tgacgtcgca	cggagccaaa	180
cggactcccc	aacgtatgtc	tctgatatat	tcctctgccc	tctctctccg	ttcttaa	237

<210> 5877

<211> 372

<212> DNA

<213> A.fumigatus

<400> 5877

ctaactttac	cctttgccac	agaattttaa	gaaatccgca	aggaatggaa	agctcgaaag	60
aaggaggaag	aagcccagcg	taaagctgct	gaggagcgtg	aacgtgctgc	cgccgctcaa	120
gctgctcagg	cgaaccaggc	tgatgctccc	ggtccctaccg	atcctgcgca	ggctcaacct	180
cctgcctacg	ctggcggtgt	cgcacctcag	ctgccgccaa	ttggctacca	gcctgccgac	240
ggccaagtgc	ccgggcagta	cggcggtgcc	agtggcatgg	tgtatcaggg	taatggtcag	300
atggcctatc	ctccaaacta	ccctcactcc	ccgtatggac	aaagcgggca	ggtgtatcag	360
caacgtaagt	ag					372

<210> 5878

<211> 1365

<212> DNA

<213> A.fumigatus

<400> 5878

tgccgcaggc	ttcaaaaacaa	accgtcgtcg	tcacgtggtc	tgggatggca	ggcctgggtg	60
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cggcggttccct tctccaccgc gacagcaaag ggagatacag ggtggaagtg tttgaaaagg 120
 tacgattata acctgccaga tgttgtatctt gaggacgggtt gtgtagcttc taattcaaatt 180
 cagcaagacc aattgtcatt agattcagca tcatacacc cccaagcggc caccgatgaa 240
 ctccctcacc gcgctcgatat accgatgcgc gcgttcgatg ataactatca catcaacttg 300
 aagcgaatgt acgacttcct tggatcgcg tacgtatcgc ccaagtttct ttattcccta 360
 tcccgaaattt gtccctccag cggaaagaga gagcctcctt attttattca ctcatccagc 420
 aaccaccaag taccaccgat ccgtcctaga tcccggagtc gcatggactg gattgccgaa 480
 acgttatatt tgacagtttg ttacttctgg ttcatgtgt gctgttttgt tattggggccg 540
 aaaggaaaat ctgtgtcctg tggggacgaa tcgttcgcgac gctaccttga gcggatacga 600
 ttgctcagat atttctccag gcgctatcta ttgccgttac tgtcaagcat gaccacttgt 660
 tcgcatgctg agcttctcga ttttccagct attgatgtcg tagactacgc gacgagaaca 720
 taccgtcagc cgcattacac tgtcgtgggc ggcgttcac gtgttcaggc aagaatatcc 780
 gacggactag ccattaggtt tcaactcaact gtcactgctg tcgaggctgc tggaaacgagg 840
 tgtcgtatca catggatcga ttcccagaat gacaaagtgt cctcagcaga atacgatcat 900
 gttatcatgg ctgtcactcc tgatgtagt gctgtctatat tcaagccgct agagaaacct 960
 ctacgggtcaa tccccaccgt taaaggagac tgcattgttc attgcgatac atctattctt 1020
 cctgatggcg gtttgcctatg tacagaagct aagaaagcac tggagccgcc ggagattatg 1080
 tatatggttt ccgacaacaa ctcaaccgaa tctgtccaca tccatcgctt ttctgtcatg 1140
 gtgacaaatt ttccaattga gcccatcaat tcgaacaaaa taattcaccg cgcacgtctg 1200
 actcgggtat tacggactgt gaggagtaga gaagtgggtg acagaatatt ttctcgcgag 1260
 ccagtcctaa aacaccctct cggagaacga ccaattgtgg cgcaatgggg atgggaacgt 1320
 gtggcttggt ggcgcatggt gctgggatgg catggtgctt cttga 1365

<210> 5879

<211> 210

<212> DNA

<213> A.fumigatus

<400> 5879

gggctatcag tgtcacaact cagatccctt attattgatc ctgctgtgtc ttatgagagc 60
 aaagctgaca cggaacgcaa tcccagctg gtagtgaaga actgccaaagt tcaagccact 120
 tacacgcacc tacatagccc tttcagattg aactgttgca gatcatcttc cgcaaaccaa 180
 tgttttgatc aatgccgtag cattcggtag 210

<210> 5880

<211> 228

<212> DNA

<213> A.fumigatus

<400> 5880

gatgcaggcg ggctgacaac gacagaatac taccaaattct tcctttcctt cagtgtcctc 60
 ggccgcatat cctcctgctg tctctttact ccagccatca cggcggctcg ccactgggtc 120
 aatgttcgtc gcggctctggc taccgggata gctgcacag caggcggact cggcgggggc 180
 ttcttccctt taatcattct ctacctcggc cctacgattg gattcacc 228

<210> 5881

<211> 852

<212> DNA

<213> A.fumigatus

<400> 5881

ctgttcgcta cctcaaatgg tcttcatatc ccaaccgccg gaagcactct tgggtccattc 60
 aacacggaca gtgttgatac ccttgacgtg accgttaccg tcgtcgacaa attcagtaga 120
 catgacacag tactcgcggg ggtccttgcc catgtgggtc ttgacctcgg agtggccgta 180
 gtcgacacgg tagatacggg gccactgcgg ccatgggtta tcacgggcac gttctggagg 240
 aggctgaggg agcaactcga agttaacaac agacttggca ccatggcgga cagaggtacc 300

aatgcagtcg	ttaccagtgt	caccaccacc	aatgacaaca	acatgcttgt	ccttagcaga	360
gatgtactct	ccatcagaga	gacccgagtc	gagaagagac	ttggtgttgc	ggtgcaagaa	420
ctgcatggca	aaatgtacgc	cgtccaactc	acgaccaggg	accttcagat	cgcgggcaac	480
ggtggcacca	gtggcgatga	tgacggcgtc	attgctctgg	cgcagcgagt	tcagggacac	540
ctcattgtca	gggccaacag	cagtgttgg	gacgaatttg	ataccctcgg	cggccataag	600
atcgacacgg	cgttggacga	tcttcttata	aagcttcata	ttgggaatac	cgtacatcaa	660
cagaccgcca	atacggtcag	cacgctcgta	aacagtgcag	ctgtgcccgg	cacgggtaag	720
ctgatctgca	gcggcgagac	cagcgggtcc	ggatccaata	atagcgaccg	tcttgccggg	780
gcgcgtctta	ggtggacgag	gaaccatcca	gcccatactca	aagccacggg	cgatgatggc	840
acactcgatt	ga					852

<210> 5882

<211> 1275

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5882

naatccgctc	ggtgcatgga	ctgtggtgtc	ccgttctgcc	aatctgacac	tggttgcctt	60
atctccaaca	tcattcccaa	gtggaacgaa	ttagtatttg	cgaaccagtg	gcaggatgct	120
ctaaaccggg	tgtcatgac	caacaatttc	ccggaattca	ctggctcgtg	ctgccctgcc	180
ccttgcaag	gcgcctgtgt	gttgggcata	aatgaagatc	ctgtgggcat	caagtcaatc	240
gagtgtgcca	tcacagaccg	tggttttgag	atgggctgga	tggttcctcg	tccacctaag	300
acgcgcaccg	gcaagacggg	cgctattatt	ggatccggac	ccgctggtct	cgccgctgca	360
gatcagctta	accgtgccc	gcacagcgct	actgtttacg	agcgtgctga	ccgtattggc	420
ggtctgttga	tgtacgggat	tcccaacatg	aagcttgata	agaagatcgt	ccaacgccgt	480
gtcgatctta	tggccgcccga	gggtatcaaa	ttcgtcacca	acactgctgt	tggccctgac	540
aatgaggtgt	ccctgaactc	gctgcgccag	agcaatgacg	ccgtcatcat	cgccactggg	600
gccaccgttg	cccgcgatct	gaagggtccct	ggtcgtgagt	tggacggcgt	acattttgcc	660
atgcagttct	tgcaccgcaa	caccaagtct	cttctcgact	cgggtctctc	tgatggagag	720
tacatctctg	ctaaggacaa	gcatgttggt	gtcattgggt	gtgggtgacac	tggtaacgac	780
tgcattggta	cctctgtccg	ccatgggtcc	aagtctgttg	ttaacttcga	ggtgtgcctt	840
cagcctcctc	cagaacgtgc	ccgtgataac	ccatggccgc	agtggccccg	tatctaccgt	900
gtcgactacg	gccactccga	ggtcaagacc	cacatgggca	aggacccccg	cgagtactgt	960
gtcatgtcta	ctgaatttgt	cgacgacggg	aacggtcacg	tcaagggtat	caacactgtc	1020
cgtgttgaat	ggaccaagag	tgttccggc	ggttgggata	tgaagaccat	tgagggtagc	1080
gaacagttat	tccttcgcca	ccttgtttct	ctttcgatgg	gtttccttgg	ccccgaagac	1140
cgcttctctg	gcaatgaaat	tgagcgcgat	gcccgttaaga	acgtcaagac	gcctccaggt	1200
cattactcaa	ccagtgtgtc	cggcgtcttt	gctgctggtg	actgccgcgc	aggacagtc	1260
ctcattgtct	ggtaa					1275

<210> 5883

<211> 441

<212> DNA

<213> A.fumigatus

<400> 5883

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ccaagtctct	tctcgactcg	ggtctctctg	atggagagta	catctctgct	aaggacaagc	120
atgttggtgt	cattgggtgg	ggtgacactg	gtaacgactg	cattgggtacc	tctgtccgcc	180
atgggtgcaa	gtctgttggt	aacttcgagt	tgctgctca	gcctcctcca	gaacgtgccc	240
gtgataaacc	atggccgcag	tggccccgta	tctaccgtgt	cgactacggc	cactccgagg	300

tcaagaccca	catgggcaag	gacccccgcg	agtactgtgt	catgtctact	gaatttgtcg	360
acgacggtaa	cggtcacgtc	aagggtatca	acactgtccg	tgttgaatgg	accaagagtg	420
cttcggcgcg	ttgggatatg	a				441

<210> 5884
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 5884	
gcgatggcaa	ccgtctcagc acctaccctt aagctggatc gctacattgt catccacggt 60
gcaaccacct	gtgatgaaca tggcgctctac gtcaccaaag attctgcaga ggtgatcgaa 120
ttgggggtgga	ttttgctgga taccaaaacc tgcgaggagg tgggttctac tcttgtgaat 180
cgacaacact	cggccttttt ccctctcccc tccttgcgcc tcaactcccct tttcccttct 240
aagtgcctag	gccaccacca ccgctgttcg tccgcctgtc gctga 285

<210> 5885
 <211> 762
 <212> DNA
 <213> A.fumigatus

<400> 5885	
cagtgtctga	cagcaagcct tacaactctg acatgggaac acgtccgctc ggcaggtacc 60
ttcgtgacg	caatcaaccg cttcgatgct tttgccagg aacacctcat cagcaagaat 120
ctcgagttcg	cctttgtaac gttggattcg tgggatctcc gagtgcagct gccccgtgag 180
gctcgtgaca	aggctgtcgt ccttccccct tatcttcagc actcccggac ctttgacctc 240
cgcaccgagt	accaaagatg gcagaccac caccctgagt ctctcccttt cgggtcccagc 300
tcgctttcca	atatctgtgc tgcgcttgaa gttgaacctg tccagtcctc cgctccgac 360
aaacataacc	tcccggtcca ccttcaggca ttggcccccg cctctcctcg ccgggcaatg 420
gaggaggcca	tactctggc tcgctttctc cgcggttga ttcgcaagtc gcagccgcca 480
cacgagcacc	cggaaatctt gactcgaccc atggatgcca gagcggatgt tcgtgccttt 540
ttgacagagc	gcagcaaggt cctccatctg agcggcctgc ctacgacac tacacagtcg 600
gaattggaaa	gctggttcac ccagtgtggt ggtcgtccaa tcgctttctg gactctccgg 660
acgccggatg	aacacaagcc cactggcacg ggctttgcg tttctcgtc ccacgacgag 720
gtatgtactc	tttcacttct ccctctgttt tctactggat ga 762

<210> 5886
 <211> 795
 <212> DNA
 <213> A.fumigatus

<400> 5886	
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ctagctgcct	tgtacttctg gcgcaaagtg aaggcaaaga aagcggcgga ggaagaacga 180
agaaaagagg	tggaggagta cggattcaac ccaaataacg atccgacatt accgcccac 240
atgggcgcg	gcgctgcata cgaacccaag gaggacacat ctggatatcg gggatgggga 300
acgacctctg	ctggccgcaa agcgtcgacg aatctgtcga gcggcgccgg gccgggatta 360
gctatatcgg	aagctggaag tgcacctggc tatcatcacg ctgcaactcc gactgacgg 420
accatccaat	tttccgaagg acagatgcaa gaaactgaac caatcggggt cttgggagct 480
gctcctacct	cctctaataa tcgcaccact gacatccacc gtggcccgtc caatgcttca 540
tctgcttact	ctgcagccaa tagatccgag gcctcggaag aaagccatat gtctggcact 600
catccagctg	ctgccttcta cgaggataat ccgtactata gtgatatgca agggcagtac 660
ggggccctatg	gagacgggtc atatgtcccg aatcagcctg tgattcgaga tgtccaggcc 720
cggcgcaata	cgcggatcga gaacccggcg gtcttcccgc gacaaggaaa cgctggcatc 780
gccccaaaact	tttga 795

<210> 5887
 <211> 1230
 <212> DNA
 <213> A.fumigatus

<400> 5887
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 acaccctccc tcatgtccca gctgaatgtc cagctgggca acatgttcgg cgagacgggc 180
 aagctcttct gtaagaagca caatgtgccc attaacagca tcgatctcat cggctcccat 240
 ggtcaacta tctggcttct ctctatgcc gaggagggcg agatccgctc cgccctctgc 300
 cttggcgagg gaactgtcat cagtggcctg accggcatca ctacagtcac cgacttccgc 360
 atggctgagc aagccgtcgg ccgccagggc gcacctcttg tcgctttgat cgatgggtctc 420
 ctcttcacc accccaccga atggcgcac tgccagaata ttggcgggat cgctaacctc 480
 tgcgtcatcc caccgcacag cgaggggtggc gtcgacgcca tggctgactg ggactgcggc 540
 ccaggcaaca tgttcacoga cgccgcgatg cgctacttca ccaacgggtga gatggagtat 600
 gatcgcgatg gcgagtggg agcgcagggg actgtcaacc aggccgtcgt tgacaacttc 660
 ctcaacaaca acaagtactg taatcaactg cctcccaaga cgaccggctg tgagaccttt 720
 ggcgacaacg aggccaggga gatcatcgat gagtgttag cgctgggcat gagcaagtac 780
 gacactgtcg ccaccatcac gcgtatcacc gccagaaca tcatcaagca gtaccgcact 840
 ttcttcccca agttcaacgt cgacatcaac aagatcgccg ccgtctacat gtgcccgggt 900
 ggtgcccaca accccaacat catcaactac ctcaaggagc agctgccag cgtggcgatt 960
 ctcaagctcg atgagacggg tgttcgctcc gatgccaagg aggccgtctc gttcgcgcag 1020
 caggctctcg aggcgattct cggccgtgcc gctctgggtg ccattaacag tgacacgttg 1080
 acgccaaca ccatctcggg caagattgag ccaggattgc gatggagaga ggttatggcg 1140
 atggcagtg aattcggaaa gggtcgaact cgactgccaa cggccaagga gatggctcgtg 1200
 gaccggccct atacctacgg gaagccatag 1230

<210> 5888
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 5888
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 tcgctaacct ctgctcatc ccaccgcaca gcgaggggtg cgctgacgcc atggctgact 120
 gggactgcgg ccagggaac atgttcacg acgcgcgat gcgctacttc accaacgggtg 180
 agatggagta tgatcgcat ggcgagtggg gagcgcaggg gactgtcaac caggccgtcg 240
 ttgacaactt cctcaacaac aacaagtact gtaatcaact gcctcccaag acgaccggtc 300
 gtgagacctt tggcgacaac gaggcccagg agatcatcga tgagtgtta g 351

<210> 5889
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 5889
 aggctaagca gattgctgag cgggttgctc agggatttgt ttccttgccg cccagatca 60
 atatacttgg atactaatgg attgatctta gatgtggagt acaaaaggac gacacttatt 120
 gaggttgtag agtcacttgg agagtatata aacgatgagg atcccatatt gcgaggcaaa 180
 gctgtctcgt acctacttgc tgtgatcaga gcacttcctc cgaagtatct atcaagacaa 240
 cagatccaag tgctcacaac gttcttctgt gaccgcattg aagatggagg ggccgttact 300
 ggactggata cactacagaa attggatcgc tttaacgata cactagccga ggaagtagca 360
 caggcgtaa 369

<210> 5890
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 5890
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 ccaaattgatc catacgggat tacggcgcaa gacctgaagg accgcctaca ggactgtatt 120
 tcctctacta gcctttttgc tccttacgct gttcctgccc ttctggataa aatggattcc 180
 acttcaccaa acgtcaaggt atgctttttc acaacctata tgagcccttt ggctaggatc 240
 ggactaagaa gcccctag 258

<210> 5891
 <211> 1458
 <212> DNA
 <213> A.fumigatus

<400> 5891
 cgcaaagagt ttttgcttac tttattctcg tcgcagatgc gctccgggtc tcaagctccc 60
 cttggtcctg gttctcagtc gacctatctc cgtcgcgaat cctcccagtc aacacacagt 120
 gatatgagca gccatatggg aagtggctct ggacgcggca gttaccctca ccagggtgga 180
 cgtggccgtg gatattcgca gtccgggttac caaggacaga tgccctactc acctgggtccc 240
 agcttccggt ctcccaacca gcccgggggt ggtcccaaca tgggcccctca gttccacgct 300
 ccgaaccagg gacgacctct ggcgcccttc cccaactcgc cacaccagcg cagcccggtc 360
 ctggcgaccg cgcacctcgc tacacctcaa atgaatcagg tcccgatggc tcatccccag 420
 atgctctctc agccctacgc cgcctacgga caacatatgg ccccgcaaac agtgagacac 480
 catccttccg ttacaaaacc ccccgtcgt ggcccatttc cgaagagacg acaaggatcc 540
 tgctgcttct ctccatcttc ctccctcaagc ctccctcttg cacatacctc cctccccct 600
 ctccatctcc cccctccaaa tctcgcgccg gaaagcggtc agtttgaaca ttatctgacg 660
 ctaatgaaaa accctcaggc ttacccttat gaccggaact acgcttatta caatcccgc 720
 tatggcatgc aacagatgca gtacatgact ccccttcgc cacagccacg gcctggcatg 780
 ccatataacc cgcaggcgcc ctatatgcaa aaccagtacc cgggttcagcc tctccccag 840
 accgctcccc tgctcgcgcac gccgtcccag gtgtcgaacg accgtccggg ctccagcctg 900
 ggccaggggc agcctcctgc aggcgccccg gctgccagcg acactcacac gaccagcaga 960
 tcttccaaca gcccgcgcgc gcctaagcct cagtttgcca ttctccacac caagcggagc 1020
 cccattgtca tcaaggacct cggtagtggg gttgtcaaga ccttcgagaa agcaccggct 1080
 tccccgcgcg gcgcgactcc atctcctgtg aagatctcaa cccccaccgc cacacctccc 1140
 cctcgcaccg gcaagtggcg tgatcacaac cgaaccgaat ccaggggccaa gacggacgag 1200
 gagaagaaga aggagttgag ggaggcggta cgtcagaaga ttgaacagga cgaagcagag 1260
 caacgtcgca aggaagaaga ggaggctgcc gctcagaaga agaaacaaga ggaagaagag 1320
 gaagcggctc gcaagaagaa ggaggaagag gacgaggcag ctgctcagaa gaagaaacag 1380
 gaggaagaag aggaggctgc caagaagaag gccgccgatg aagaggcatc ttcaccaccc 1440
 ggctggaaaa tcagcgtc 1458

<210> 5892
 <211> 492
 <212> DNA
 <213> A.fumigatus

<400> 5892
 cgaagttgcc ttctgcacgt tctaagtgca atcttggggc tggcttcaga tatcgtcttt 60
 cctcgtctca tcaatagcga gaaggagaga cgtccctcaa gcccgcgtga cgggtcaacct 120
 cattacctga ccatcctctt atcagccccg ttactttctg cgcagacaat cacaattggc 180
 gattttttag ccttctcttc tttccttggt gagaattccg ctgccgtcgc cctcaaagac 240
 gcatacaact cgttctccga gcgaagggcg gccctcgccc tgtccaaccc aggaactgtg 300
 gataatattg ccagggaagt gcagaaggag gtctctgtgt ctaactttat gttcagcggg 360

ctccgtgcag	acttgacaaa	ggttttcggc	atgtctcccc	tgttccgtgt	ctcgacggcc	420
ttctccatgg	gcggtctgg	caacctgcct	ccatatgcct	tctcggccat	gtacgggaact	480
cctaaggtat	aa					492

<210> 5893
 <211> 735
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (38), (206)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5893						
gaaagagcgc	ccaggttgcc	accttcaacc	gcaccccnta	ccagcgatac	cgaccatcgc	60
cccagttctga	cgccaggcaa	ggcgaagtcc	acagttaaaa	gcacctcgcc	agacatttcg	120
tttctcagtt	cgaccattgc	agcgcagcga	cagtcattccc	ctgactggac	tcacatacct	180
cactcttctg	gagggcgctg	tttttntaca	ccccctccctc	aaccgtcatt	atatcctcag	240
tccactcctg	aattttcccg	catgacagat	agccaaagac	gatcgagcgt	catggcggca	300
ccgatcaacc	tttccctact	agatgacgat	actactggcg	aaggtgtcaa	cctgggtcgat	360
tcagccaggc	ctggctcctc	gtatgccaac	gacgtctcac	acaagagtca	cgatatgggc	420
agctcggcgc	cgcccaccaa	aatgcgcaag	ctgtcccaca	gcgtgtcgca	ggcaccgtca	480
cgaagcacat	caacgtcgct	acccttgcta	aacaccgctg	gtttgcagca	acccttcgca	540
tcgtctcttc	cgtttccgaa	tgaaagtgtc	gatctactgt	acgagtattt	ccctctgggc	600
ctggacgatt	ggcaagctcc	tgtggatgct	gtctaccgtc	cacatgtggg	acatcacacc	660
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gaagatgtct	tttaa					735

<210> 5894
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 5894						
aatttgttgc	tggaagaggg	agaagcaagc	ggtattttgc	tgcagaagat	gtcttttaag	60
aactcccttg	tatgggaatt	cggcagggtc	tcattccact	attccgcaga	gattctttgc	120
aaaaatagca	tccatgactc	ctatctcgat	caaccagcta	tccactatcc	tgaaagactc	180
tgcatacagc	caccccgccc	ttccccatac	ccctga			216

<210> 5895
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 5895						
tactgcagca	taatggccgc	aagacagctc	cgcagactta	gcctaccaac	ccacctcccc	60
cttcccatcc	ggcctcacgt	tcgccatcta	ggtacagcac	agacaaactg	ccatcgattt	120
gaccatgaaa	ccgacatcct	aatcgtcggc	agcggggcgg	ctggcctcac	cgccgctcta	180
cgctcccaact	tccacaggct	ctcctcccta	gtcatcgaga	aagatgcca	aatagggtggc	240
acctctgcct	actccggagg	ggcctctgg	atccctaata	acccgctcgc	tgtggatgct	300
ggtatcatcg	acaccccata	g				321

<210> 5896
 <211> 1191
 <212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (748), (1186)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5896

caagcaatga	cgttactgat	atctgtcatc	gacgccgaca	ccgccgaaga	taccgacgta	60
ggccgcgcct	catccccccc	gcgcaagcgc	gcttttctca	accacggccc	tcacatggtc	120
tccttcctcc	gggacgcgcg	attcgccctt	cgcctcagcc	caggctgtcc	agattattat	180
ccgcaggcgc	acggtgcgct	gccgaccggc	ggcgcgctcca	tcgagccgga	cgtgttcgac	240
gcgcggctac	tcgggctcgg	cgagaaatgg	acggaggcta	tcgggcagcg	gcctggtcgg	300
tcgctccctc	tatttacgta	cgaagctagc	agcgtgacac	gcatgggagc	atcgtggcgt	360
gatgtcggga	ccgtgtttcg	cgtgtcctc	cggggcatat	atctttcccg	tgtacgggga	420
cagattcctg	tcacaatggg	caagtcgctg	gttgcgcagc	tggtgtggtt	gcatatgcag	480
cttgacaaa	gtccggtact	cacggatacg	gcgctgcgcc	agcttatcgc	taccctgaa	540
ggggtgattc	tgggcgcgcg	cgttgcgacg	ccagatgggg	aaaggagcat	tcgcgctcgt	600
tgcggggtgc	tgctctgcgc	tgggggggtc	gcgcataacc	aggggctccg	tgagcggtat	660
ggcccgtg	ctgcaaacgc	cgagtggacc	agtgcgcgc	ggggcgacaa	cggggatgcc	720
attgtcgcgg	gtgttcgggt	cggggcancg	acagccctga	tggacgaggg	atggtgggga	780
ccgactctgc	gcgaccccg	ccggggaatg	tattactttg	cgcttcagga	gcgagcgcgg	840
ccgtttggcg	ttattgttga	ctcatctggc	aagagattta	tgaacgaggg	tgagccgtac	900
acggatgccg	gccaccacca	gtatgcgcaa	aaggctgtcc	cggcgtgggt	cgtctttgac	960
tggaaccatc	gtaagcggta	cgcggtgggc	tcgctgatgc	cacggcagca	gccccggcg	1020
caggcgcctg	acgcagggta	tatccaccga	gccgatacga	tcgcgaggtt	ggcgcgga	1080
atcggggtca	atgaaaaagg	gttggagggt	accctggcga	agttcaacga	gatggccgac	1140
tgcggtgttg	ataacgaatt	tgcacgcgga	gagagtgcct	ttgacnatta	a	1191

<210> 5897

<211> 552

<212> DNA

<213> A.fumigatus

<400> 5897

gcgcgaggaa	aagctaccag	ggcaaccaca	agggtcgccg	ccatgacttg	caagaagcgt	60
cttcgatcca	gtcgcgacag	tgacgaccac	cgggatccca	aagtatctat	tcctgacgcc	120
attcgacagc	gcctgaagaa	gaaatcaaag	cctacggcca	agtcttttca	tcattcactg	180
ggcggttcaa	accccgcttc	atgtgattat	tcccgctgct	tccatgaggt	ccgcgggaga	240
gccatcctca	cagttgaatc	cagtggacag	aagccagcat	attatttcac	gtttgtgcct	300
gacgttcaac	cgctgctaag	tcagaaaccc	gcggccgaga	tttcggggaa	acaagggcca	360
tatacctcgg	acgaaaacgc	attgttggtg	cgactgaaag	aaagagaggg	aatgccgtgg	420
gcggagattg	ctgcgcactt	ccctaaaaga	agcacatcct	ccctccaagt	ccactactca	480
accaagttac	gcaaaaaggc	aactactcgg	gctgaaagct	acaaagacgt	tgatgagagg	540
caccaaactt	ga					552

<210> 5898

<211> 825

<212> DNA

<213> A.fumigatus

<400> 5898

ctggatagac	tgactgactc	ctctgcagaa	ccccctacc	ctcagtacgg	ggctcctcaa	60
ggcttttcac	aaccgcctta	cccccaacca	tcgggttacg	gtgggttttc	ccttcctcag	120
ggccactata	atcgaccacc	ccgcctgcc	ccgtcgccag	gcggatatcc	tcgggtcccc	180
ggaccaggat	atccccattc	gccgcgcgct	cagcctccat	atggcgctcc	ttcgcaacat	240

cogtaccctc	cacaaggcgg	tcttggatac	cctccacctg	cgggcgggta	tccccaaccc	300
ggaccctatg	gcgccccacc	ggtaggaggg	agcggctatc	ccacaccacc	accgcaacag	360
ttccaaggcc	caccgcgat	gccttctctg	ggttatgttc	ctggccaaat	ggcaccgggc	420
gacttcggcc	gtgaagcaga	cctcctccgc	aaagcgatga	aagggttcgg	tactgacgag	480
aagatgtca	tccaagtact	gtctaaactc	gacccctgc	aaatggcgc	cgttcgggtcc	540
acctacacca	accatcacca	ccgggacctc	tacaaggacg	tcaagtccga	aacaagcagc	600
tacttcggcc	agggcctgct	cgccatcatc	gacggaccgc	tccttcacga	cgtgcagtcc	660
ctccgcgaag	cagtccaagg	cctcggcaca	aaggaatggc	tcttgaacga	tgtcgtcctg	720
ggccgctcaa	acgcgatct	caacgccatc	aaggccgcct	acgagcacac	atgccagtct	780
tcaccggggt	ctgagtcgcc	ctcaggtaaa	accacccggg	caccg		825

<210> 5899

<211> 255

<212> DNA

<213> A.fumigatus

<400> 5899

ttgccggcgc	atcattcaca	aacctccctc	gtggtattcc	tcattggactc	tgattttctac	60
ctactgtacg	cgcaaacgaa	catctcccaa	gattttgtca	aacgacaata	caaggcggag	120
tctgagatcg	ctccggtgtg	gccctggctg	acggctgggg	cctggaaaga	acgaactgtt	180
ctccccgcat	ctcatgtatt	aggggattgg	ggagttgacc	atcgcaaaca	gatgacttcg	240
tgttcatctg	aataag					255

<210> 5900

<211> 837

<212> DNA

<213> A.fumigatus

<400> 5900

tcgaatagac	accccgctcg	atccttccag	ccccgtgggtg	aagacaaaga	aagcaaatta	60
gatacgaaaa	agaagacggc	cggttacaat	ctactcttga	actccctcgc	agacctccac	120
tcattgcaacg	tcattttctt	cctcgaagca	cgtaagcgcg	gtcaagattt	gtatctgtgg	180
ctggctcgtc	ctcccaatgg	acctacgatc	aagtttcacg	tcacaaacct	gcacacgatg	240
ggcgaattga	acactggatt	tagtggtaac	tgtttgaagg	gtggccgtgg	cattgtcgtt	300
ttcgatcggg	cgtttgacga	gcagggtccg	gtgatgagca	gcccaggaaa	cgagtaccgc	360
ggattgatca	gggaaatgct	gcgtggaggt	ttttgtgtgc	ccaagcgtgg	tgtcaagggg	420
atgaagcctt	ttattgaccg	tgtcatcggt	gtcttcgggtg	tggatggcaa	gatttgatt	480
cgcgtctatg	agattagaga	gtccgaaggt	ggagccaaaa	aggacgagga	gaacagcaag	540
cccgcgcccc	agggaagaa	tgtcgaacct	ggagatctcc	tcgttgagat	tggacctcgt	600
ttcgtcctta	cgccaattgt	catccttgaa	ggcagtttcg	gtggccctgt	catctacgag	660
aacaaggagt	atgtgagccc	caaccagggtc	cgtagtgaga	tcggtttgag	caaggctgcg	720
cggtagcgga	aacgtcggga	tgttcaaacc	aatttgattt	cgaagcgctc	tacgttgggt	780
ttggcagaag	gcgagaggaa	gccaggtcct	ctcgacaata	agagcctctt	ttcttaa	837

<210> 5901

<211> 237

<212> DNA

<213> A.fumigatus

<400> 5901

ttacttataa	accgggggtg	gacatcctgg	agggacactc	cgactccaac	tttctcgtc	60
caccatggcg	gcacatttgc	catccagctg	ttcgcagctg	tgggatactc	gttttgcac	120
acctacgata	ttcttcagta	tgttgcctct	atatacagatc	gcttcctctt	ctgtcagccc	180
caacggcggg	gtttgcacct	aactagatac	ccttatttgc	gacggcgggc	gcgttga	237

<210> 5902

<211> 1518
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (342)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5902
 atcatggcat ctattttcac ctatgaccct gaccctccaa gggctctctc tccttggctg 60
 acgtcggggt cgtctactcc ccagcttacg gcgagtggga atcgtggact gacgatccgg 120
 acgcgttctg gcacggaact ggaccgtgcg gatccagact ttctgtctga ctatgggatc 180
 acgaaactgg agccggaacc acaagaggga cccactgagt acaagctgca tctacttctg 240
 cggccccggc gtctctacaa ttccatgacc actggctcat tgggtggcgg ttcgtaccat 300
 tctcgtgcaa gtttgtccac ctcaggaccg acaccgtcca gntacgagtc aaacttgaga 360
 tcggctcagg tgcgctcaac gcagagtcgc cagcaacgtc tgcagcagct aacaactcaa 420
 ttgttgtggc gcctgcaaca atcgtcaccg ttctattcgt ctacaactgc caacctgtg 480
 ttgcctgttc ttccggaagc aacacctcat cttggcaccg cgcagaaacc agctcgttta 540
 attcctgggt tggaggagag tcagggtgct ttgtacgaga ttgggtgtggc cgatgatggg 600
 accttgggtg gtctaaccga agatgagctc gacgagagct tgaccaatct gcaaactcatg 660
 gcggccagtt tgggttgtaa ggtcgaaatt cttcgcagag tcattgtcgg caaatgtgaa 720
 tgggtgaat gtccggaaga cacaagtgtc gaagcagccg ataccggccg agttcacaca 780
 gaaagcctct gggctcgtga agccctggtc agtcgggatt tggagttcta cggcttgata 840
 tcgcatcgcg acgaatttgg taggcagtct ccctcgcacg gtacccaaac aaagtctatg 900
 cgcgaggaca actattccac gaccgaacag attcggatct caataactgg cccgagtgc 960
 gccggaagt cgtctctgtt gggtaactct acttcatcta tacttgacaa tgggcgaggg 1020
 gcaagtcgac tgagccttct caaacatcgc caccgaaatct cgtcgggaat caccagctct 1080
 gtcgcccagg aactcatagg ctatgcgact ggagagtcaa tgcaagatcc ggttgagggtg 1140
 atcaactatg cgtctggaac cgttgcagct tgggacgaca ttcatgccac ggcgaaggat 1200
 agtcgtctgg catttgtgtc tgaccttctt ggctctgtac gctatctcaa gtctaccttg 1260
 agaggattaa tcagctgggc acctcactat gtgtttctct gtatcccggc caattgtgac 1320
 gaagaaatgg tcccggagcg acctgtctgt ggcacttcag aacagatgac agaaatcaat 1380
 ctggctctgt cacacttgga tctctgtatc aaatcgggga taccacagat gatcgtgatc 1440
 accaagatgg atgttgcatc ccgagcaggc ttgcggcgcc atctcgtctt caccaaggag 1500
 cagccaggat ccgcataa 1518

<210> 5903
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 5903
 gcagtcgatg attgctggct tgtcaaaagc ggacgagacg cgagcacgca gccaatcatc 60
 ccggaccctg acaagttccc tgatgggtatc tcgggcgtag cggaccagat acatgatctg 120
 gggctgaaaa ttggaatcta tagcagttag tcaactgccg tggatagata cagacgacca 180
 aggcgctga 189

<210> 5904
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 5904
 cagctcgact ccattagcca ggaccacctc gctatcctct ctaacaagat tctcctaaag 60
 ttccaccagg acccggtgat cggccgtcct gcgcagccat acaaatgggg gtacaatcct 120

gactggacgt	ttgaccccg	tcaccccgca	gagtactggt	ccggcgcatc	gtcagtgtctg	180
ggtggcacgc	tggtgtgat	gctgaattcg	gaagatacga	cgagagggcg	aacggctgtg	240
tggaaggagg	tccctgagct	gaaagatgtg	ctcggtagac	agggaaaacg	gcgcattgga	300
tttcgtgtga	cggatgtgtg	gaccgggaag	gatctgggtt	gcgtgagaga	tcattacagt	360
gtggaattag	agagtcatga	tgtggcccg	ttagttgttg	ggagagcgtg	ctag	414

<210> 5905

<211> 339

<212> DNA

<213> A.fumigatus

<400> 5905

gtgtcagggg	aagcattcag	tcgagatgac	gacgtttttc	tctctgacca	ctgcagctgc	60
agtgttaacc	ctcgcccgag	ggagcaatgc	gctcatcaga	cccggcaatg	tggtaaagctg	120
ctcgtctctt	ccaacatctg	tatgagcagg	tctaaaactc	gacagggaaa	actaccgct	180
ctaggctgga	acacgtggaa	tggtttcggc	tgcgacattg	atgcgaccaa	gatcatgact	240
gccgcgaacg	aggtcgtcaa	tctgggtctg	aaggatctag	gatatgagta	tatcaatagt	300
gagctgcctc	atccagcttc	taggatgtac	gtttgttga			339

<210> 5906

<211> 351

<212> DNA

<213> A.fumigatus

<400> 5906

tctcggcaag	cgactcggct	aactaacctt	caatcagacc	tgaagtacga	caacctgcgg	60
cgtccctctc	aactggacag	acacgtacac	atattggtcc	ccgacccggg	cagtaaagcc	120
acaaacggga	cctgtcccg	taacaagaat	cccgcgcggg	cggttatga	ctggcgacg	180
tcgttgacag	cggagcggta	caggcggatg	cgcgatgcgt	tggtcagcgt	cgaccgcaca	240
atcctgtact	cgctatgtga	atggggccaa	gcgaatgtga	acgactgggg	caacgagaca	300
ggcaattcct	ggcgaacgac	tggggatata	acgcgtaaga	tccaaccttg	a	351

<210> 5907

<211> 216

<212> DNA

<213> A.fumigatus

<400> 5907

ccgataccac	cagcatcctg	gcctcgtatc	gccgccatcg	ccaatgaaaa	ctccttctctg	60
atgaaccatg	ttgatttctg	gggttatccg	gacccggaca	tgctggaggt	cggcaacggc	120
aatctcacac	tagcagagaa	ccgagcgcac	tttgcgctct	gggcggcgat	gaagtcgccc	180
ttgatcattg	ggactgctgt	acgtttgtct	ctgtaa			216

<210> 5908

<211> 411

<212> DNA

<213> A.fumigatus

<400> 5908

ccataccact	cgaatcctat	acctcagtc	gcatacgtc	acgtcacttc	gacttccgat	60
gagagacca	cctggcaaag	aaagacaaca	gcataccgaa	cctcctcggg	aagcacaac	120
ctgccggagg	gaatagtctt	caaaaaggcc	tcccgacccg	agtctctccc	ccaagccttc	180
ttcccgagag	ccgtccacac	cacgggtggg	gacacggagt	tggtctgtgat	accttgtccg	240
ccccattccg	acgccatact	gcgagtcaat	cctcacaagg	cagccttgga	agcgagtat	300
gccccatgtc	gcggtagcgc	cacatgcgca	gcttgcgatg	caatgttgac	aattcggccc	360
ggcggggatg	ggttcgcgga	tgcttctgcg	gtcttagagg	cggcaaagta	a	411

<210> 5909
 <211> 366
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (66)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5909
 tactggcgcc atcatcagtc gagtatgcct ttcatgctc taggccggga aatgatcaga 60
 gcttontcgt caccacagag cgacgtgttc ttccaagca tcctcatcaa cactgccgga 120
 tatgtctcgc tgagtgcacat ggagatgact ccgccggagg agaccatgca acatttgacc 180
 accaatatct ttggggccaat gctgtgctcg caagcctttg cgcgacttta ctttgccgcc 240
 tctaagaccg cagaagcatc cgcgaaccca tccccgcccg gccgaattgt caacattgca 300
 tcgcaagctg cgcattgtggc gctaccgcga catggggcat actgcgcttc caaggctgcc 360
 ttgtga 366

<210> 5910
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 5910
 ggattgactc gcagtatggc gtcggaatgg ggcggacaag gtatcacagc caactccgtg 60
 tcaccacccg tgggtgtggac ggctctcggg aagaaggctt ggggggagga ctccgtgccc 120
 gaggcctttt tgaagactat tccctccggc aggtttgtgc ttcccagga ggttgccgat 180
 gctgttgtct ttctttgcc a ggtgggtctc tcatcggaag tcgaagtgc gtga 234

<210> 5911
 <211> 510
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (204)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5911
 caaatcgctg ccaaagatta catagagcgg gttgcagttg caatgacaac gatgctcatc 60
 agatccgata ctcttgacta tccagaggtc cagcatctgc tccagcacca cttcactgag 120
 cttcgaagcc aaggctcgcc ggagacatcg tttgcgctgg acctaacccg tttcctggac 180
 ccgtcaataa cttggtatac cgcntgggag ggcgatagtc tattagcctg tggcgcggtg 240
 aagcagctca gtccgattca tggagagatc aaatcgatgc ggaccgcacc gggacacttg 300
 cggaaaggcg ttgccaaagac tattttgaag catatcggtg ccgaggcgag ggagaggaag 360
 taccagtcac tgagtctgga gacggggacg gacgggaggt ttgaaagcgc tcggcggttg 420
 tatttgaggaa tgggggtttga ggtgtgtggc ccgtttggag actataagag tagtgatgac 480
 aatatgtttc tgacattgag actatgttga 510

<210> 5912
 <211> 303
 <212> DNA
 <213> A.fumigatus

<400> 5912
 gctaccacagc tctggcctcc agtagtgaaa gcaacacccg cgccattttc gtcttggcag 60
 cgcacaaacc cccctacaac gtctatggcg cgcccttcta caactacgcg ggctatggca 120
 acgtctttctc cgtcgacccc tccgacggcc gtctgggtcaa gaatgtccag aactacgaat 180
 accaggagaa cacaggcatc caccggcatgg tctttgaccc cacagaaacc tacctctact 240
 cggccgatct gcaggccaac aagatctgga cccatcgcaa ggacgctcag accggcgagc 300
 tga 303

<210> 5913
 <211> 360
 <212> DNA
 <213> A.fumigatus

<400> 5913
 gatccaatcg atcttatctc tgtcaacatg aagcatcact tggatgatcgg cacgtggact 60
 cccccaggtc ggctgtacac cgtcgcggtc gacgacgagg ccttgacttt ggagtgggtt 120
 aagaagaccg agattccaga ggatgagccc atctcatggt taactatctc tgtaggtatc 180
 caacctcttc cagcgacatt cgctaattgt gtccagcatg acaagaaaac cctctacgga 240
 gctgccatga aaaagtggaa cagcttcgcc atcaacagcc caacagacat cgtccaccag 300
 gtcgcccata ctcttgctgg tcaccgtatg ctctgtatcca tctctgcgcg gtctggctga 360

<210> 5914
 <211> 645
 <212> DNA
 <213> A.fumigatus

<400> 5914
 aaaagtggaa cagcttcgcc atcaacagcc caacagacat cgtccaccag gtcgcccatac 60
 ctcttgctgg tcaccgtatg ctctgtatcca tctctgcgcg gtctggctga tgctgatttg 120
 agctaccacg ctctggcctc cagtagtgaa agcaacaccc gcgccatttt cgctctggca 180
 ggcacaaaac cccctacaa cgtctatggc ggcgcccttct acaactacgc gggctatggc 240
 aacgtcttct ccgtcgaccc ctccgacggc cgtctgggtc agaattgtca gaactacgaa 300
 taccaggaga acacaggcat ccacggcatg gtctttgacc ccacagaaac ctacctctac 360
 tcggccgatc tgcaggccaa caagatctgg accatcgca aggacgctca gaccggcgag 420
 ctgacctctg tcgactgtct tgaggcccca tcgccagacg accacccccg ttgggtcgat 480
 atccaccgca gcggcaagta tctatacgcg ctgatggaag cggggaaccg gctggcggtg 540
 tatgtgattg acgagaagcg ccatgtccct gtattcacgc acatcaccta cccattgctc 600
 cctgcaggta agctttttta ccatcggcgc tccgtccagg actga 645

<210> 5915
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 5915
 cggcagtgca gatctgggaa gaaacaatac ccgcggttaa aatcaattcc accgcataca 60
 tccctacgta tggactcgga tatatttgta cttcatctca ataacacatt caagcattca 120
 actcgataca cattccaaca tattcgaaaa aaaatcacac tgcacatgac gcctccccta 180
 cgctccctcc accccacccc gcgacgcgca cccctccacc accgaaatct acgcccgcac 240
 cgccgcccgc agacaccccc gccactcat tcccctagat ctctccctgc tacactcccc 300
 ccccgctgcc gacggctgga acagtttctt gggcgccatc cgcacgcgca caatcctccc 360
 cgggtgcgtc ctcgagctct ccgtctgccc cgtggcggtc ctcaacggcg ccgtgtacga 420
 gtggaacgcg cagcgccgcg tcgcgctgaa ggacgggggtg acggccgaca aactgcgggc 480
 ggtgcgcat gtcaatgc 498

<210> 5916
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 5916
 aatcaattcc accgcataca tccctacgta tggactcgga tatatttgta cttcatctca 60
 ataacacatt caagcattca actcgataca cattccaaca tattcgaaaa aaaatcacac 120
 tgcaccatgc gcctccccta cgctccctcc accccacccc gcgacgccga cccctccacc 180
 accgaaatct acgcccgcac cgccgcccgc agacaccccc gccactcat tcccctagat 240
 ctctccctgc tacactcccc ccccgtcgcc gacggctgga acagtttcct gggcgccatc 300
 cgcacgcgca caatcctccc cgggtgcgctc ctcgagctct ccgtctgccg cgtggcggtc 360
 ctcaacggcg ccgtgtacga gtggaacgcg cagcgccgcg tcgcgctgaa ggacgggggtg 420
 acggccgaca aactgcgggc ggtgcgcat gtcaat 456

<210> 5917
 <211> 1695
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1532)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5917
 aattctcagc ggagagcctc cagccaatcc gcgtccgcct tttccgcaac acttcttttc 60
 ctccaccatt ttttgtggta cctctccatc ccagtgtaca atcttacagc tcttgacgga 120
 ttacctcggc ttctgttcac gagttctgac ttaatgttcg ctgtgagatc agttttctca 180
 ctgtctttta agagctgcct ttttactacg catcctcgtc gtcttgcgca tttccagaaa 240
 gctttcttcg ctcatatctt gccgcacgcg aatgcgccat cgcccataaa agccatgcag 300
 agtcctagca gaaaacctca gacagacgcg aagcgccgca agaagggcag agccgatcgc 360
 acgaagaatt cgggatttga tgaagtcctt cagaccgaca ttgataacct tcttcggagg 420
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 caacacgcgt tccccaaagg caacgaacaa gatcccaagc cgatcaagta ccttctcgac 1440
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 ggtgtggatg tagcgggcga ctctgatcgcg tncgcccgcg agaacgcccg ggccaacaac 1560
 ctccccaaata ccggttttgc ccgcccagac gccgcaaccc tcttcaagaa cgtcccatat 1620
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 tccggtaatt gctga 1695

<210> 5918
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 5918
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 gttcccattc tgccatctct cacttactcc atcacgcggc ccatctatag cggcaattcc 180
 gcgacatccc ctcgttcctt gctggggagc tgcattccct cacaatga 228

<210> 5919
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 5919
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 tatgttgcg aagagaatgt cgaaattatc acccccgacc tgtttgagct accgcaaacg 120
 cttgtggaaa cagcaggaaa gcacttcaag cgggtgggatg gctgttctca tacatttgtc 180
 agcaatattc gagatgaata tcctgatgac tga 213

<210> 5920
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5920
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 tcctttttat ttttttttct ttctaatttt ttttatcttt ttaactttat atctctatct 120
 ttccaaatct ccagtcgaag aaactctgac cgttctacat tcattaccat tattgatcta 180
 caggtccaaa acgtcgtcga aagattatag 210

<210> 5921
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 5921
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 gcaattcgtc atgcggagct tccctcgcca aattcgagct taattgaaca acgaccgcag 180
 attataccca agatcattca ccagacatac aagaacgaga caatcccaga agtgtggcgg 240
 gaggtcaac aaagctgcaa agacctgcac cctgactatg aatacatcgt atgtgcttca 300
 tttcccgta actgttgctt tgttatacta acgtctccac ccgcattagc tatggacca 360
 cgaaaagtcc cgcgaattta tcaagaacga atatccgtgg ttctctgaca catttga 417

<210> 5922
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 5922
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 acatttgacg gctacaagta cccgatccaa cgggcagata ctatccgata ctttgttctt 120
 ggcttacttg ggccggacat atatcgaact ttgatgagga atgtggttcc aagcatgctt 180

accaaaatgg atttgggaaa tttggttcct tga

213

<210> 5923

<211> 696

<212> DNA

<213> A.fumigatus

<400> 5923

gacgatatgg	ccgtgctcac	gcaactaaca	aacaacgtgc	gcctctacgg	tacggactgc	60
aaccagacgg	aaatggtcct	tcacgcgatc	gacaagctcg	agataaagga	tatgaaaatc	120
tggctaggcg	tgtggatcga	cagtaacgaa	acgacgtccc	gacggcaa	atg	180
tacaagatta	tcgacgacgc	caaggatatt	tccatcttta	atggggccat	tgttggaat	240
gaagccctct	atcgagcagg	cagtgcacaag	acctccgcgc	aaacaaccct	catcaactac	300
atgcaggaag	tgaaggacca	ctttaaaaag	aagaacattg	atctgccggt	cgcaacatca	360
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gtgcacccat	tcttcggagg	cattccggtt	gatcaagctg	cggcttgga	gtggcgattc	480
tggcaggatc	acaatgtcgc	cttgaccaag	ggcaccaaca	agaagcagat	tatatctgaa	540
gtcggctggc	ccagcggcgg	aggaaatgat	tgcgggcagg	gtgctaactg	cccgaacgac	600
acagcgggtg	cagtggctgg	cgtcgacgag	ctgaacaagt	tcatggagga	ctgggtctgt	660
caagccctag	ataatggcac	ggattatttc	tggtaa			696

<210> 5924

<211> 234

<212> DNA

<213> A.fumigatus

<400> 5924

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tcgagcacag	cggctaacga	gttcgatagg	ttcgaggcat	tcgacgagcc	atggaaaatc	120
gtgtacaata	ctgggaagga	gaattgggaa	gacaaatggg	gtctcatgga	ctcggctcgt	180
aacctcaagc	ctggcctcaa	gatacctgac	tgtggcggca	aaacggccac	ttga	234

<210> 5925

<211> 882

<212> DNA

<213> A.fumigatus

<400> 5925

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cttgagcgtc	tccacaagga	gatcaagaac	aagtccaagg	aactgcagag	cggcgcaagt	120
aagagcgcca	aggccgttga	aaaagcacga	ggcgtgacgc	agaaacatat	cgagcttctg	180
gctcaacagg	ttgcggcggt	tgactcaact	gcgggcaaca	aattcgatca	cgcccacgac	240
ccatacatct	tgcgccgcgg	agtcaatcac	cgcttgaaca	agcaagtcac	tgaggagaac	300
aacaaccgtc	aggacatcat	tgccgtgcag	aacaactttc	agcagttcga	ggcgcatggt	360
ctgcaaacca	tccaggccgc	catggagcag	ttcaacgtct	tcataggcgg	ccaactcgac	420
cggcagcggg	gcatgtacag	cgacatgttg	gccgtgctc	agcgcatctc	tccagactat	480
gaatgggtta	atttcattac	acgcaacgcc	aacgttttgg	tggaccccgga	ctcaccgcgg	540
cgatcgctgt	ccaacatctc	cttcccgaac	caggatcacc	gcgccaccgt	cccgtctatc	600
gagggcagtc	tggagcgcaa	gtcccggggc	atgctgaaag	gatacagtac	aagctactac	660
gtggtcacgc	ccgcgcgata	cctgcatgag	ttcaaggaca	atgacgactt	ccgccaggat	720
ccgtctcccg	agctgtccct	ttacctacc	gactgtgtgg	ttggcggcgt	cgacggcaac	780
aagttcacca	tcaaaggcaa	ggatgttttc	cggcggcaag	gtcggcaacg	ccttccacac	840
taccagcgag	tcttcaccac	ggggctggaa	ggacacgcgc	tc		882

<210> 5926

<211> 288

<212> DNA

<213> *A.fumigatus*

<400> 5926

cccgtggtga	agacactatg	ctgtactgag	cagactacgg	gccttctcct	tgagcgtctc	60
cgtgcttgga	aacacatgtg	cggctatgtg	gaggattatg	tggaaagtcac	agccaaagtg	120
cagaagtcgc	aagcgaagga	ctatgagaaa	gttttgaagg	tatggaggct	cttttgtctg	180
agatggtttc	gaaaggggtg	tgatactgcc	agggtagact	gtcagcgatc	cccttcggga	240
ggggcaccat	ttctctcaga	gtgcaggtgg	agtttcggca	tggtttga		288

<210> 5927

<211> 471

<212> DNA

<213> *A.fumigatus*

<400> 5927

ctcctaccac	gtttcccca	tctcgtcaag	actcgtccag	aaatggctgc	cacctacggc	60
tctggctccc	aaaggggtgc	cggcttttcc	agcattgatg	cgactcgggc	ggacctgtat	120
ggcgggccta	acgtcgtcgt	gccccgaag	catctgatgg	cctccagcga	tgctcatgat	180
acggccattg	agatggcgat	ggccaagcag	cacctcgatg	aagaagtctc	ctcggaaagaa	240
gagtcctctc	gtgcgcctc	acccctcacc	aggtctcccc	atcatctcac	gacggctgat	300
gaattcgctc	tggcatttga	catcgatggg	gtccttatca	gaggagggtca	agctatcccc	360
gaggctgtcg	atgccttgaa	gtatatcaac	gggcagaacc	cgtttggagt	caagatgtac	420
gtttctctcc	ccgagaagct	ttcaacgcaa	catagggttac	taactccata	a	471

<210> 5928

<211> 690

<212> DNA

<213> *A.fumigatus*

<400> 5928

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gacctcagcc	ggcagcttga	attggagggtc	tgcgccggcc	aattcatctg	cggacacact	120
cccagtcggg	agatggctga	gaaataccac	actgtcctcg	togtcggcgg	cgagggtgag	180
aagtgcggga	tcgtagccga	aggttacggc	ttcaaggacg	tcatactacc	aggcgacatc	240
atcaagacac	gacaggacac	gacaccattc	cggaactga	ctgaagaaga	gtacaacaac	300
tcacgcgtcc	gcgacttcag	caagacgccc	atcgaagcta	tcttcgtctt	cgccgacagc	360
cgggactggg	ccggagatca	gcagatcatc	ctcgacgtcc	tcatgtcgaa	gaacgggtac	420
ctaggcacac	gctcggagac	attcgacgag	ggtccgcccc	tcttcttctc	ccacaacgac	480
gtcgtctggt	ccacctccca	tgagcacgtc	cgcacgcgca	tgggtgctct	cagaacctcg	540
ctcgaggctc	tctacaacgc	cgtcaccggg	aatgaactga	ctaccgtcgc	attcggcaag	600
ccccagctcg	gcacgtacga	gttcgccacg	cgctcctcc	gccaatggcg	caaggaatac	660
cacggcatcg	acgagccacc	gtcgaccgtc				690

<210> 5929

<211> 345

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (301)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5929

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ggttcctcgt	ggttctaacag	gttaatccag	atctatgcc	cctcggagga	acgtaagcaa	120
cgtaacagac	aagctcaggc	tgctttccga	gaacgtcgca	cagagtacat	ccgtcaactt	180
gaaaccacaa	tcaagcgcaa	tgaagaaaca	ctgcagactc	tgcagcagaa	tcacgttaca	240
gctgccgatg	agtgcctgat	gcttcgatat	aagaattctt	tattggagag	gatcttatta	300
naaaaaggta	cggcgactat	atttgtctcc	tccggtcttt	actaa		345

<210> 5930

<211> 399

<212> DNA

<213> A.fumigatus

<400> 5930

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gctcacaagt	gggtcgagca	gaccggcgac	agctatgcag	atccgacgcg	ggagcgtaat	180
ggtgggcatt	ttgtgagttt	tgtcaagagc	ggtgggaagc	tctgggagct	tgaagggtcg	240
aggaagggtc	ctctggagag	aggaattctt	gctgacgacg	aggacgttct	cagtccgcga	300
gcgcttgaca	tgggcttgaa	gaggatcctc	aagttgaacg	cggatggagg	agagaagaac	360
cttcttttta	gctgcattgc	tttggtctcg	aggccttag			399

<210> 5931

<211> 1155

<212> DNA

<213> A.fumigatus

<400> 5931

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ccaatttctc	gggttctttc	cccgaagctg	agaccccaat	cggttcccgc	aatatctatc	120
tgctcttga	tcttgttgct	catacatact	tcgtctatct	atctaattct	tcttgggcac	180
tctctgggct	cgtcactact	gaaaaattca	acacaatggt	atctgaccgt	acacttgctg	240
tcattgggtg	cggtagctat	agaagggggc	ccttcactga	gcgtccgtgg	aactaatcat	300
ttgaaaggaa	atatgggctc	agctatgctg	agcggcctcc	ttgatgcgac	acgtcggacg	360
acagattcga	atggtagctc	atcggcaaa	atctcacgtt	ttattgtgag	cacgaagagc	420
gctgcatctg	cccaccgact	tggggaagaa	ttccaagcgg	ataaagatcg	tgttgacatt	480
agacattcgg	ataatcttct	cgccatgcaa	gaggcggaca	ttgtcctgct	tgcttgcaaa	540
ccttatctgg	ccgagggaag	tttgggctg	ttaggcgtgc	gggaggccct	agcaggga	600
ttggtgatca	gcatcatggc	gggaaaaatc	cctgaagata	tcgagaagta	tatctatcgc	660
gatacacccg	cagacgatgc	cgaatcgaaa	gcaatcattg	tgagagcaat	gccccatgtt	720
gcagctcgtc	tgcttcaatc	gatgaccatc	atcgagatca	acaacaatct	ctcgcatgac	780
atcgccgaca	ccttgacctg	gattttcgaa	cagattggaa	aagtgaatct	cctggcggca	840
gatctgttcg	atattggcac	aatgcttggt	ggttcctcca	ttgccgttct	tactgttccg	900
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atggcagcgc	agaacttgat	cggaatggca	ggtttgttgc	gagaagggtg	gcatccagct	1020
atactaagag	agagtatctc	atccccacgc	ggttgtaaca	tccagggtct	ggtggcgggtg	1080
gagaaggagg	gcatgagagg	agcgtgcgca	caagcaatga	tcaacggagc	tagacatcta	1140
aaggaaattc	attga					1155

<210> 5932

<211> 249

<212> DNA

<213> A.fumigatus

<400> 5932

atacactgca	tcccgaattt	ctcgggttct	ttccccgaag	ctgagacccc	aatcggttcc	60
cgcaatatct	atctgcctct	tgatcttggt	gctcatacat	acttcgtcta	tctatcta	120
tcttctctgg	cactctctgg	gctcgtcact	actgaaaaat	tcaacacaat	ggtatctgac	180

cgtacacttg cgttcattgg ttgcggtagc tatagaaggg gccccttcac tgagcggtccg 240
 tggaactaa 249

<210> 5933
 <211> 1071
 <212> DNA
 <213> A.fumigatus

<400> 5933
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 actgtccaca atcaagaaca atacttactc cggattatct attatcacta taaaaagaag 180
 tcgagtgaca caggaggaag ccacatacgc acccccacag tcaagtcaat cgggtcacct 240
 atctcaacccc ctcaactcccc gcgagtgact gaaaccaccc aaaaatgtcc acttacgaag 300
 gtacatacca ctttcgcgcac ggaaatccgc acaaatccac acaggaaaca tgctaaaaga 360
 cacgtttttt tttcaacagt tgaacacaac acaacagacc cctccatccc ccaacagccc 420
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 tatactctcg ccgaggcggt ggaggttatg cgcggggagt cggagggcgg ggggtcgcagt 600
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 gagttttgcg acagtaggtc tttgagatgt gtcagtaggg cgagcttgga gcgcgaactg 780
 actagcgtg tagtgctcga ccgggtacca cgtacgtcgt tgaaggagac gcagacttgc 840
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 cattctacgc atttgtttga tttggagtgc attaggccct ggttgcggct gcgagggacg 960
 tgtccgcttg atcggacgga ttttgccaaa caagagcgcg agaaggcaga ggcgcgtagg 1020
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<210> 5934
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 5934
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 accaattttg atgctcacac cccttacatc aaggaacacg ctgttatgtg tcttaagttc 180
 ctgctcgaag ggaatcggga gaaccagaag ctggtcgaag cactcgaagc tcgggaggtc 240
 gtcagggatg agaatgggct gttggagaga agtggctttg aggccgtgat tgataagacg 300
 ggcaagttgg ccattcgact caaggagggc cagccttcag agaagaagta g 351

<210> 5935
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 5935
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 gatgctaggg ttaatgcctc caaccacaaca tcagtgaacg gcggtacagc cccggctcag 180
 tcccgcgtct tcaccacggg gctggaagga ccagcgctca ag 222

<210> 5936
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 5936
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 ctctttcacca acatcatccg atttctgctt cacctcaata ggctcaacca gttgacgaga 180
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 gactaa 246

<210> 5937
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 5937
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 ccgcccacat ttcagcggtt cgagctggat ccccgcgata cgatctaccc ttcctctccg 180
 tcgcccgcac tagcgaagag agtcaggcgc tgctgtgtg gcattcttat tggatttgtg 240
 gtggcgacgg tacttttcta cgtgtggcct tatttggcgt ttcaaaactg gcggttttaa 300

<210> 5938
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 5938
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 agagctattg gtggcataat cgctgggtgg tggctcgcgga agcacacaaa caccaccacc 120
 tcgaatatcc cgggtgagac cgtagcagat ttaccacccg gagcatcgag agtccccgcg 180
 gccgtggccg ggaaaacagc cgagcaggcc gctcgagaag cggacgcggc atcttcgtcg 240
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 cttctggcta gtgggaatgt tccacatctc tag 333

<210> 5939
 <211> 825
 <212> DNA
 <213> A.fumigatus

<400> 5939
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 cagcggaaac gtagcaacag tgcaggcgcg gttagtggga cttattcctc gttcaccagg 720
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 agcaattccc accccgccac cgcagcaagc actggttcga gatga 825

<210> 5940
 <211> 216

<212> DNA

<213> A.fumigatus

<400> 5940

attgattccc	acggctcctt	gatggaggga	ttttggtttt	attccgggtt	ctcgccaaat	60
ggttttattac	tctctcgctt	aaagaggagg	cccaagatca	tcaaagatgt	aactcagctc	120
gtcctgtccc	gtcgcacccg	aatgtgcaat	ttccttgagt	acaaaggtat	gctccttttc	180
cccacggatt	gccttcgtac	actgcagcac	caatga			216

<210> 5941

<211> 306

<212> DNA

<213> A.fumigatus

<400> 5941

ctcttgtcat	tttccttctt	agacaccaag	gtcgtctacc	gccgttatgc	ctcccttttc	60
ttcatcgccg	gttgcgcctc	caccgataac	gagctgatta	ccctcgaaat	cgtgcacga	120
tatgttgagc	agatggacaa	atattacggc	aacgtatgcg	agctcgacat	catcttcaac	180
ttccaaaagg	catatttcat	tctcgatgaa	cttctgcttg	cgggcgagat	gcaggagagc	240
agcaagaaga	atgtgctcag	gtgcataagt	caacaggata	gtctggaaga	tattgaagtg	300
agttga						306

<210> 5942

<211> 258

<212> DNA

<213> A.fumigatus

<400> 5942

ttctccctga	taccaaggat	cccttgtctt	cacccccac	cgcaatgtgt	agaggttgtg	60
agcgcaatga	ggctcatatc	cttgactcct	ccatccgctt	gtctgcctgc	ctccgatccc	120
gtctatgtgc	gagaggccgc	cgccaatcac	ccttccattg	caacctatctt	catctcacct	180
actcactaca	tctccaatac	tatcgttatt	cgttgggtcc	tcttagcctc	atccgatgtg	240
aacacgtcac	atgtctga					258

<210> 5943

<211> 837

<212> DNA

<213> A.fumigatus

<400> 5943

atggctgata	cccttaaaac	aggcgagcca	tccggttggc	gaatacccaa	ggcttgtcaa	60
gaatgcagaa	agcgaaaaat	caagtgcaat	ggagtcaacc	cctgcaagac	ctgtcgggtg	120
cggaaacactc	tatgtgtcta	ccgggatgtg	atccggcagc	gcaagaaaaa	gagacatggc	180
cctgtagacg	agggcctggc	ttcctgtgaa	tctacgcgca	ctgagcttgg	tacacagcag	240
ccatcctcac	caccgcccc	gccgttaggc	cgccggaaca	aatcagccag	ctatactttc	300
cacaacagcg	tttcggcaac	gcacatgacc	tctccgtcat	gcaaggtgca	actatattat	360
ggaccgacgt	cccattttac	ccttatgcat	gagatctatc	ggggtttggg	ttcgaatcaa	420
accactcatc	ctgaggagcc	gcagggagaa	gtcgaagagg	ctggggctgg	gcttgatatg	480
ttcagtggtc	ggggcatctt	cttcggtact	ccagctgaga	cgcatgatcc	caataagggg	540
atcggtacga	cagtcgcacc	ggtgatgttc	atgccgatg	agctcgccag	ggtatttctg	600
caaagatttt	tgtcaacgct	gtaccatctg	gtaccattct	ggtccaaaga	gctttatgag	660
cgccagctag	aaaccctgta	tcttccttcc	tctggtagcg	gctctgacac	ttgtaccaac	720
tccatcttac	tgatggcttt	ggccatgggc	tccctgggca	cacagcgcta	tcgctggggg	780
agaatattct	ggttgaacgg	gtcaaggcgt	cttgtccttc	ctgggaacaa	ctgggtga	837

<210> 5944

<211> 627
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (19)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5944
 cgcggatcct tggcgcgtng tgggtgaagac taccgcagcg gcgtgaagaa ggaatcggga 60
 ctgaaccccc cccgagcccc ggccaaggcg caccgccggc acgtgtcgaa catcctgcac 120
 gcgtcgggtca acgagggcgga taccatcaag gtctctcatc cgttcggcga ctttttctcg 180
 tctgacgcga aagccgcgca ccccggtgtg ctctctcgg cgggtgtcgg tctgaccccc 240
 atgacgtcga ttctcaacac gctgacctcg caggctccgg agcgcaaggc cagcttcac 300
 caccggcgccc gaaacgctcg ggcgcgtgcg ttcaagaacc acatcacctc tctggaacag 360
 aagctgccaa acctcaagtc cacccttttc accagccatc ccacggagga ggacaaggag 420
 ggcatgatt accagttccg cggccgtgtg gatctgagcc agttggacag caaccgggat 480
 ctgttctctg atgatgccac aacggagtag tacgtgtgcg gaccgcacac gttcatgacg 540
 gacatgctga atgttctcaa gtccaagggc gtgagcgagg accgcgtgaa gctggagctg 600
 ttcggaactg gcggtgttcc tcattga 627

<210> 5945
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 5945
 atcatctcta ctcacgaatt acgactttca gataggtttt tatcgatatc cagaatgttc 60
 cacatacgtg acatcatcta cagccgaata ctccatgaat attcttcagc ggaatacata 120
 ttccgctata gcaatataaa agccaccaac tctatcaaaa taaaaacta caaaactaca 180
 aaactacaat acaactatgt caaaatgtcc cacctaacct actacaacta cgacggcggt 240
 ggcaaagcca aacaagccca gttcaaatac agccaagctg tcagcgtcgg cgaccgcatt 300
 gaatgcgccc gacagggtac cccctcccc tctcattctc cccctactca tcctcactcc 360
 taa 363

<210> 5946
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 5946
 gaccagacac gtcaaatttc cacacaacca ccattgcaag catcaaccgg agcttgctcag 60
 ccattcattt ttatcgaaat ctccaaacag atcctacttt atcaaactctg cattatctat 120
 aatgcctcgt gtaaaacgaa agacgaaggc aagaagccaa gaacactctt aggccgttcc 180
 ccacggttta aaatctaa 198

<210> 5947
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 5947
 gagtacttga taaagaacca ttcttcctcg cgtaaaccatc cttcaatacc atacaaaatc 60
 tgcttcatca tgaaaatctc actcgtctc tctgccttg ccttacttgc ttgcctgcc 120
 actgcggtcg accttgacct aacaaaagac tgtggtgcgc cctttagtgc ctggtggaac 180

aagtgcaccc aagctgcctc caactgctga

210

<210> 5948

<211> 525

<212> DNA

<213> A.fumigatus

<400> 5948

attcagacca	tgaccatccg	tataaaatgg	ctgagaggca	tacaacttcc	cagacatacc	60
aacaccagca	tatcaacctc	ctccactccc	tcctcctcca	cctccgctgc	ctcctccgca	120
gcctcctcct	ccactcccac	tgccgcctcc	gctatctccg	ctaccgcagc	ccccgcccc	180
gccccgcct	ccaccacaac	tcccacagct	cgcaccacag	ttggcaccgc	aagcagccgc	240
agtggcctgc	gtcccacaag	ctccacaccc	agtagtgaaa	ctgacagaca	ccggaaagtt	300
cgcattcggg	atacgggtgt	actccaccgc	ccaagttgca	tactcccccg	gcggatcgct	360
cccctccgcg	ccccagaaca	ccagttcccc	ttcctgggct	gtccgcggcg	agtatcgctt	420
ctcccgcgat	tcctcgtagg	tttgaatggg	gagcctgtca	tccgaaaccc	acttcgcgac	480
gaagaagtgc	tcgtgcgtgc	ggcgctccag	cgcgtggata	tatga		525

<210> 5949

<211> 405

<212> DNA

<213> A.fumigatus

<400> 5949

gaggcataca	acttcccaga	cataccaaca	ccagcatatc	aacctcctcc	actccctcct	60
cctccacctc	cgtgcctcc	tcgcagcct	cctcctccac	tcccactgcc	gcctccgcta	120
tctccgctac	cgcagcccc	gccccgcgcc	cgcctccac	cacaactccc	acagctcgca	180
ccacagttgg	caccgcaagc	agccgcagtg	gcctgcgtcc	cacaagctcc	acaccagta	240
gtgaaactga	cagacaccgg	aaagttcgca	ttcgggatac	gggtgtactc	caccgcccac	300
gttgcatact	cccccgcg	atcgctcccc	tccgcgcgcc	agaacaccag	ttcccgttcc	360
tgggctgtcc	gcggcgagta	tcgcttctcc	cgcattgctc	cgtag		405

<210> 5950

<211> 327

<212> DNA

<213> A.fumigatus

<400> 5950

tcactccata	acgcatgcgc	ggatcttcgg	cctcctatgg	tcgaatacgg	agtgatatcc	60
gtcgtgtgca	ctttggctgc	tacaccggcc	ccgacgttat	tgattctctg	catgagtact	120
ggtagcactg	ggccggattc	cacaaacccc	tctatcccca	tcaattcctc	ttccccctggg	180
actgcaccga	agcactccgc	cgtatcccg	tcaaatgcgg	gacctgcaca	ctctccaaac	240
acgtctgggc	cttccccctt	gactcctgg	caatcatcgc	cttgcacctc	tccagagaca	300
aatgcgccta	tcccgcgctc	gaactaa				327

<210> 5951

<211> 960

<212> DNA

<213> A.fumigatus

<400> 5951

cgcattgcgc	gatcttcggc	ctcctatggt	cgaatacggg	gtgatatccg	tcgctgtcac	60
tttggctgct	acaccggccc	cgacgttatt	gattctctgc	atgagtactg	gtacgactgg	120
gccggattcc	acaaacccct	ctatccccat	caattcctct	tccccctggg	ctgcaccgaa	180
gcactccgcc	gctaccgggt	caaagtgcgg	acctgcacac	tctccaaaca	cgtctggggc	240
ttcccccttg	actcctgggt	aatcatcgcc	ttgcacctct	ccagagacaa	atgcgcctat	300

cccgcgtccg	aactaagtcc	aaattcccca	agcgacgcat	catggataac	caaccgcctc	360
actctcctca	ctgcactgga	caccctctcc	gccggcgcaa	cagccatgtc	gcagagccta	420
cccttccagt	ccgcaacgca	atggttccat	ctccaactcg	aaccatcaac	cgatcggatc	480
aaactcggcg	gtatcaaccg	cgcgcaatca	tatatccacg	cgctggagcg	ccgcacgcac	540
gacgacttct	tcgtcgcgaa	gtgggtttcg	gatgacaggc	tccccattca	aacctacgag	600
gacatgcggg	agaagcgata	ctcgccgcgg	acagcccagg	aacgggaact	ggtgttctgg	660
ggcgcgagg	ggagcgatcc	gccgggggag	tatgcaactt	ggcggtgga	gtacaccctg	720
atcccgaatg	cgaactttcc	ggtgtctgtc	agtttacta	ctgggtgtgg	agcttgtggg	780
acgcaggcca	ctgcggctgc	ttgcgggtgc	aactgtggtg	cgagctgtgg	gagttgtggg	840
ggaggcgggg	gcggggggcg	gggctgcggg	agcggagata	gcggaggcgg	cagtgggagt	900
ggaggaggag	gctgcggagg	aggcagcgga	ggtggaggag	gagggagtgg	aggagggtga	960

<210> 5952

<211> 489

<212> DNA

<213> A.fumigatus

<400> 5952

gggcagtcac	ccgtatctat	atcgttttctc	ctcgccatgc	aaaccaccga	tgccgcgagt	60
atctcgaacc	gtttaatgca	ttccaaatcc	tcttccctga	acgcggacaa	cacgggggtc	120
tcccacggcg	cgtacaattc	taatcttccc	gtccagggtt	tcgcggatcg	gaacgctcgt	180
cgtcccaaca	tccttcacat	caatacctct	aaccgcgcct	cgaccgcctc	ggacggcatg	240
gcaaactccg	gcacggcatt	tgacatgaac	ttcacgcctc	tcttcccttc	tcagcttctg	300
ctgggcagtc	cattccagcc	tggaactccc	tcagccttcg	cttcgccgca	gtttgctaata	360
ttcgggtggc	tctcccaggc	cagtgcctcc	gcacatgcac	aaaatcatca	aaccagttg	420
ggaagcccaa	cccaggccgc	accgaacgcc	ggtttgtatt	cagggatgat	ggcaaccgac	480
ggcttggcg						489

<210> 5953

<211> 204

<212> DNA

<213> A.fumigatus

<400> 5953

ttattttccct	tgaatgctac	cttaaaacag	tctagtgaac	taccttactc	catactccag	60
actactagtc	ctactaatag	ctttagacca	actaactaca	ggagcaggag	acttaccctc	120
actctccttt	tctctccgcc	ctcactagag	tcactcctcc	gtcctcgctt	tgtttttccc	180
cctcatcccc	tatctactat	ctaa				204

<210> 5954

<211> 195

<212> DNA

<213> A.fumigatus

<400> 5954

agtacagtca	gtaccttgct	ttacggcttg	aggtaccgga	ctgccgccat	gccgactggt	60
cacctgcttg	attacgtcgc	aggaaatggt	cgatcggttg	tgaatgcgat	caacaaagtt	120
gggttcgatg	ttgaatggat	caagtctccg	gccgatatcc	aaaatgctga	tgtgcgcact	180
cttctctgct	gctag					195

<210> 5955

<211> 804

<212> DNA

<213> A.fumigatus

<400> 5955

aaactcatgg	tgcccgggtg	tggccatttc	ggccattgtc	tctctcagct	ttccgaaggt	60
ggtttctctg	aaccgatcag	acagcatata	gagctgggaa	agcccttcat	gggcatatgt	120
gttggtctgc	aggcgctttt	tgagggtctt	gaagaagacc	ctgacacccc	cggattggga	180
ctgatccac	aacgaatgca	gaaattcaac	gctgacacga	agagcgtgcc	tcacataggc	240
tggaaactctg	ctatgaatac	aacctcggag	cgtcaaaactt	tctatgggtt	gaacccgaac	300
agcaagtatt	actacgttca	ttccttcgcg	gctctctaca	aggcaggcgt	attagagaac	360
gacggctggt	cagttgctac	agccacctac	ggtgaagaag	aatttattgg	cgccatcgct	420
cgggaaaata	tctttgcaac	tcaatttcat	ccggagaaaa	gcggacaagc	gggactacgg	480
actctccgtg	cgttcttgaa	tggtgacaaa	ttccagccat	tgggaacgga	aggtttggag	540
gcaagaaaga	gggaagacgg	gttgactcgc	aggatcatcg	cctgtcttga	tgtccggacg	600
aatgatgctg	gtgatctggt	cgtcacgaaa	ggtgatcaat	acgatgtgcg	agagaaggcc	660
ggcgtgggcg	caggaggtca	ggtaagaaat	ctgggaaagc	cagttgacat	ggcaaagagg	720
tattacgaac	aaggtgcgga	cgaggtcacc	ttcctcaata	tcacggtctt	caccacgggg	780
gtcgaaggat	ccgcgctaag	cgat				804

<210> 5956

<211> 1140

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (365)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5956

tgttggtgcc	tgccagggag	gtcagtggtg	gcaaataagg	atactgagag	tatcgtacca	60
gcacgtccat	tccggatcct	ggacgctcct	tatcttcgcg	atgatttcta	ttgcacaacg	120
ctcgcgtatt	cgcctacctc	tggagttctc	gccgttggtc	ttgcacatcg	cgtgtatggt	180
tggtcggaga	tttttggcgt	gctgtatccc	ccattcgcag	accatcatcc	ctcaaacttc	240
gtaaactctc	tatctttctc	gtcagagagc	ggaggtaaag	acattctggc	cgtcgggaagg	300
cgaagtgggt	tggtcaccct	ctggagtgtc	cctgaagccg	agccacgcta	tgaaattagt	360
catcncaaca	gtatcacttc	ggtggctttc	aggcaaacag	tgacgcgtag	gttctctgag	420
cgattccaca	acgttgaagt	caatacacag	gaccttgctg	tccggcatga	gctcggcaac	480
atatggtact	actcagtaga	atggcccagt	gaggagattc	gagaacaatt	tgggtggaac	540
ggtgctatca	ccctactcgc	cagaatttcc	gcacataccc	agaggatttg	tgggtataacc	600
tggctctccag	atggcgcccta	cttggccact	ggaggaaatg	ataacgcgtg	tctaactctc	660
gagctccgtg	acctcgtgcc	ctggctacag	ctcaactgtg	caacgaaacc	ttgtaaatca	720
gctcaaacctt	gccagtcgat	cagcgtgcag	tgtcagaatg	cattctcttc	cctttctgca	780
agcacaagca	aacgactatt	caggcgacgt	gactttctca	atttgcttcc	ttcatgggtct	840
cactttcggc	tccggttcttc	acaaacatca	ctcattaaac	acaccgagtc	gatcgccttg	900
ggtactgaga	gaacggtaat	aataccccca	aataggcaga	agcatatatt	ggctcatgcg	960
gcagccgtca	aagcaattgc	ctttgtctcca	tggcaaccgt	ctctccttgc	caccggagga	1020
ggctcgaacg	accgagccat	tcattttctgg	cacgccccgt	ctggggcggtg	cctggcgctcc	1080
atcaatgtat	atgcacaagt	gtcttcacca	cagggggcg	acggatccgc	gcaatgcact	1140

<210> 5957

<211> 324

<212> DNA

<213> A.fumigatus

<400> 5957

cagatgcgca	acaggcttac	cacggcgaac	tccttcaacg	gcagcaactg	tcgggtgcga	60
ctgatcgcact	ggaagccggc	accgctcgag	accggccgag	cggacggtct	tgaaagcatc	120
tcgctcgaag	tgctggattc	cttccggatt	ggcgaccgag	tcctcaacga	ttgccagccc	180
tgcgaagaga	tcgtgctggg	gaatccgggc	aaggatgggg	tgattgcccg	gaccatgacc	240

atccccgata agtggaggag ctgggaaagg cccaagaggt acgcttggtc aaggcaccaa 300
ctgtggattt tcggacgcag ttag 324

<210> 5958
<211> 291
<212> DNA
<213> A.fumigatus

<400> 5958
ctccttttcc caggacaaat tgagcgcgtc atgggtggaaa atctctacag acacaaaacc 60
gtccaagtca attggaacac ccagcccgtc cgcttgacag tcgcccctgt gacgaaagac 120
gagcccagg cacatcctct caccatcacg gtccagaaca aggagaccct cggccaagag 180
acgatacgag cgaaatatgt ggttgagcgc gacgggtgcgc acagctggtt gcgcaagtat 240
ctcaatatcg ggttctcagg ggatgtgacc gactccacct ggggtgagtg a 291

<210> 5959
<211> 573
<212> DNA
<213> A.fumigatus

<400> 5959
cagcaaaaaa cctcacgcgc cgtcgcaccc gctcgccacg aacttggtccc cggggcaagg 60
gtttgcctga tttccagatg gtcaaccatt ccgacgcggt gccgatccaa gctaaccacc 120
gattcaccag tgacggccgg ttcgcctttc ttgttttccc ccggcgacat ttccaagca 180
cttgcgcttcg gccgcttcag tcgcctggga gactggctca cctcccacct gccgcccagc 240
tccggtcttg agataatcac aatccatggg gcgcggcgcg cggatgtcga attgatggat 300
cttcatccag ctttcgggcc gtggagcgac gaagagggat ggaattactg gacgggtgat 360
gccgacgacg acagctacca taagggtcac gggcatgtgt atgagcgctg tggaatcagc 420
aaggaggatg gcgttttggt gctgttgaga ccgatggat atatcagcct cattgcctct 480
ttcgacgaga cacacgaatt gatcgacttt ttcgatggac tccagtcagg accgaggact 540
gtgccgcagc cggagcgaag ggcgaacttg taa 573

<210> 5960
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (28), (492)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5960
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ccgatattc gcaaggtggt ttagtccat ccagggcggt ggaccgtcat gggcgctcca 120
cgggaggaca aactcgtccg cttatacatc agcatggacg ggggcaatcg gcacacatcc 180
atcgacgcca agagcatcac ggcagagaat ctctccagc ccgcccagc catcctggca 240
ccgtaccgcc tggatgctgc ggcgatccca tgggtggtcgg cgtactgctg cgggcagcga 300
gtggccgatg aattcgccccg tcataaccgg atcttccttg ccggagatgc cgttcacacc 360
cattccccca aggaggtca ggggatgaac accagcatcc aggacggata caacatccgc 420
tggaactgc ggtattgtct ggagcaaaag gggaaacccg gccctgctct ccacatacca 480
aaccgagcgt cngcccatcg cgcaggcgct cattga 516

<210> 5961
<211> 1404
<212> DNA

<213> A.fumigatus

<400> 5961

agacaaacog	tgcgcgtatt	ctccatgcga	aagcagcttc	tgcgccagtt	gttgettata	60
ccctttgcta	cggttgccgc	tgtagcgctc	ggcagcttga	tcgtcgtcac	ctttgccctg	120
gaagttttca	tctcggaagt	ttacgtgggc	ccgctcaagg	ggtatctgga	gtttcttccg	180
actgtgctgt	tttctctctc	gctgccgaca	atcacctcga	agctgacgga	cattgccact	240
caactgacgg	agtatgagaa	ttaccgcaca	caggatcagt	atgatctggc	gcagacggca	300
aagacattcg	tgatgaattt	cattaccgcg	ttcctacca	ctctgttgac	cgcgttcgctc	360
tacgtccctt	ttggtgcgaa	gatcatccct	tacctggacg	tcttccatgt	caggggcctc	420
cattcctcta	tatccactga	attccagggt	gacacctccc	gcttccagca	ggaagtaatc	480
tacctgtcgg	tgacaggcca	agtcgtaagc	ttcggcgagg	aggtcatcct	cccgtacgtg	540
aaaaaggcca	tctggagaaa	atggcgcgac	taccgcctcc	agaaaacgca	agctggccgc	600
ccacgccggc	actocaaaat	gaccgacctt	cttctgatcg	actcgccctc	cgaggctgcg	660
ttccttactc	ggatccgcaa	cgaagccgaa	gcgagcaggt	acaacgtcca	cgaagatacg	720
ctggagatgt	gcgtgcagta	cgggtacctc	gcccttttcg	gggtcgccctg	gccgctcgtc	780
cctctcctct	tcctgatcaa	caactggctc	gagctgcgcg	gtgatttctt	caagctcacc	840
ctcgaatgcc	agcgcgccgc	acctatccgc	gcggaatcga	ttggcccgtc	tctccaaggc	900
ttggagttcc	tgacatggct	cggcaccctc	tcgacggcaa	gtatcgtcta	tctctaccgc	960
gacgggatga	aagaggtcca	catgtcctcc	ctgctactgg	tctgttcat	cgctcaacag	1020
gtataccttg	cgggtgcgctt	tgcctgacgc	acgggactgc	agaagctcgg	ctcaggtact	1080
ctccgcgcgg	aagccgcgcaa	gcgctacgcc	gtgcggaagt	cctacctgga	gaagttctgt	1140
gcccggagga	cgcattgggaa	cgggaagccg	cgggtgcggt	tcaatgacca	tgtggatgtg	1200
tacagttcct	cgacggactc	gtccccgaca	gaggctctag	aaaccaagtc	ggcgacgctc	1260
catcaggaaa	cagcctatgc	aagtgaacga	agaggaggaa	ttttgggagg	gacagcgctg	1320
gacggcggag	gaggtgggtg	tgaagttgat	caaagcgctg	agtggagagg	agaagaagcg	1380
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<210> 5962

<211> 261

<212> DNA

<213> A.fumigatus

<400> 5962

tggggaacca	acatctcgta	ctggctctca	aactccctgg	acgtgggcta	tcagaatcag	60
tccacggcat	gggtgatggg	aggcaagaat	atccgcttca	acggccacgg	atacggcaca	120
ttgaacggca	atggacaggt	gtggtatgac	tttgtaaga	gtgtgtcgaa	ctatccacgc	180
agggcgacag	ccctcaccgt	cgcgcgggca	tcgaactcgg	tctttcaggg	cttgagggttc	240
ctgcaaagtc	agatgtggta	g				261

<210> 5963

<211> 330

<212> DNA

<213> A.fumigatus

<400> 5963

ggcgggagcc	atgaatcgta	tgcgcgtcag	tcatgtcaac	ccattgtcgt	tgacatcatg	60
tatcttgcaa	atatacttcc	ctgggtcctt	ctgccgttag	cggtcattgc	agatgccact	120
accggacagt	ctcatcgccg	aacatgtgtt	gtcaaggcag	gaggttctga	atcagtcgat	180
gataccctctg	cgatcctcaa	tgcctttcgt	cgatgtggaa	aagagggcag	gatcgtcttc	240
cagaatacca	cataccatgt	caacagcggt	atgaacacaa	gcggactgca	caattgtgac	300
attgaccttt	atggcacact	tttggataaa				330

<210> 5964

<211> 390

<212> DNA

<213> A.fumigatus

<400> 5964

aaagacaata	ccgacgggagc	cgacaccatc	tacagttcgc	acattacctt	caataactgg	60
acggtcgtca	acggcgacga	cagcatcagc	accaaggcca	attccaccga	cattctcatc	120
acgaactcgg	tcttctaccg	gggccttggc	atcgccatag	gcagtatcgg	ccagtacaag	180
gacgtcttcg	agaccatcga	gcggttcga	gccgagaaca	tcacgtatta	cggcacgctg	240
cacagtctct	acttcaagac	ctggacaggc	gagcaggtca	attaccacc	caacgggtgga	300
gggtggcgcc	ttggctgtaa	ttgccccttg	cccattcccc	ttttcttgaa	tattcggccc	360
ccgccttctg	acgtctgcta	tttacgatag				390

<210> 5965

<211> 648

<212> DNA

<213> A.fumigatus

<400> 5965

cggcctttca	tttctggaag	atatggaaga	cgcggggcgcg	gttctgcac	ccttttgcca	60
ttggaggatt	gtgtaagtga	tgtgtatcgc	tttgctgcgc	gtatgcagac	tgactctaac	120
aacctccgga	cctcagtcga	aatcatcggc	tatataggtc	ggatcgactc	gcacgggaag	180
accggacagc	ttggccccta	tatcattcag	agcgtcttta	ttctgcttgg	gccggtcctc	240
ttcgccgctt	ccgtatacat	ggtgcttgga	cgcctgatcc	gcagcattca	agcagagaag	300
cactcggtta	tccgcgtgaa	ttggctcaca	aagatatttg	tcgccagcga	cgtcctctct	360
ttcctcatcc	agggctcagg	agcaggcctt	atggcgaaatg	ggtccagagc	ggacatgggc	420
aacaacatcg	tcattgcggg	gcttgtgctt	caagtactca	tgtttgggct	gttcattggtc	480
acgtcgttcg	aattcgagcg	gcgaatgcac	cgagctccgg	gcggccatgt	ccttgatgcc	540
gacgtgccgt	ggaagactca	cctgcatgtt	ttggatgctg	tcagtgtctt	gatcttgatt	600
cggtcggtgt	ttaggggtgat	cgagtacgct	gaaggtcacg	acgggtag		648

<210> 5966

<211> 765

<212> DNA

<213> A.fumigatus

<400> 5966

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ttattccgcc	tgactgagag	gacgttttcc	ttttgtctaa	taaaggcgct	ctacacatcc	120
aagatgcgat	ttctggggag	tatagctcta	gtcttgagct	ccatctctgt	agcctctgca	180
aacgtccggt	ctcgatccta	cgatacccac	gagttcttcg	ctctccacct	cgacgactcc	240
gcttcgccat	cccattgtcg	tcagctcctg	ggcgctcgcc	atgaggggtca	aatcggagaa	300
ctcgcaaacc	atcacacatt	ctcgatacct	cgggagcgca	gctcagactt	agatgcgttg	360
ttggaacgtg	cacgtgccgc	gaggaagatt	cggcgccgtg	cgagagatga	tgccacgtcg	420
caagagcagc	acaatgatgc	actgggtggg	atcctctggt	cacaaaagct	ggcgcccaag	480
aagcgttttag	tgaagcgagt	accaccgccc	gagaggctcg	cgagaacggt	cgcgaccggc	540
aaagaggacc	cagtagcggc	ccagtctcag	aagcgaatcg	cctccacgct	cgggattacg	600
gatcccattct	ttaatggaca	gtggcactta	tttaatactg	tacagctcgg	tcattgatctt	660
aatgttactg	gggtatggat	ggaagggtata	actggaaagg	gtgtcactac	ggcggtgggtc	720
gatgacggat	tggatatgta	ctgcaatgac	cttaagccaa	actaa		765

<210> 5967

<211> 366

<212> DNA

<213> A.fumigatus

<400> 5967

actcattgca	tcaaaaaggga	tggactatcg	accttgggtcg	gcacggggggg	cagcatgctg	60
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agcggaggcc	agaagcaacg	catcgccatt	gcgcgggctt	ttcttcgaaa	accgaagatc	120
ctgctgctgg	acgaggccac	gtcggcactg	gacagccagt	cggaggctat	tgtccaagag	180
gccatggatg	ccatccgaaa	ggaccggacc	acgatcatgg	tggcgcatcg	cctgagcacc	240
gtccagaacg	cggatgtgat	ctgcgtgttg	caggatggca	agttattgga	gattggaacc	300
cacgaacagc	ttctgggcaa	gcgggggaag	tactgggaaa	tggtttctat	gcagagtctg	360
cactga						366

<210> 5968

<211> 879

<212> DNA

<213> A.fumigatus

<400> 5968

agaccgaaaag	ccccgaatga	gcctgtgccc	tttatccccg	agaaagacct	ggaagtctac	60
cgcagataacc	gcgatcctgc	gttcgaggtg	caagtaggca	ttcacgaact	tctcgggcat	120
ggaacgggaa	agttactgca	ggagacggct	cccgggaaat	acaacttcga	tgtatcaaac	180
cctcccgtga	gtccaatcac	caacaaacca	gtcaccacct	ggtacaagcc	tggtcagact	240
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gttgacctca	acaatgaggc	tggcgatgtc	ctattcgtcg	catatctgca	aatggctcgc	420
gctggtctgg	ttgcccttga	attctgggat	cctaaaacgc	agaagtgggg	ccaggctcac	480
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cttgtttaca	ccaagggaaga	cctgtctgac	ctagagattc	atttggatcg	atccaagatc	600
ctgactcacg	gacgtcctgc	tgtggaaaga	tacctgcagc	agttgcacat	ctacaaatcc	660
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tggggtagca	aggtgcgcga	tattgttctg	aaaaacaaaa	ttcctcgtaa	gatctttgtg	780
cagggcaaca	cgatcttaaa	tggagacgag	gtaactctga	aggaatatga	gccaccctc	840
gagggcatga	ttcagagctt	cgttgaacgc	aatgtctag			879

<210> 5969

<211> 234

<212> DNA

<213> A.fumigatus

<400> 5969

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gctcgggaat	cacgactaca	gggacaacct	cgatatttcg	aggagggccca	tccgctgtgg	180
cactggctgg	aacagagggt	tcagacgcaa	tgctcttgcg	aacttgttcg	gtga	234

<210> 5970

<211> 2088

<212> DNA

<213> A.fumigatus

<400> 5970

gcagaaatca	tctcagaacg	aaagtccact	gggtccagtg	atgccagttt	cggagatgac	60
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ggttgcgaca	aggaacgagc	gccatccggt	gatcgtcgtc	caagaatccg	aacagagaaa	180
tccccctccc	gatctgccgt	ggatgggaac	gatgaggatc	tcctccact	acgtggacgg	240
aagctacgtg	accgggtcaa	agatgcccaa	atccgcatgg	caagcccttc	ccttgaacaa	300
tttcgtgagg	agatagggtg	gcccccgct	gaagaggagt	tccgacgata	ttccggtgtg	360
tcgacgtcgt	cgacaatcga	agctatgac	attgacgctc	cgcgaccggc	caaccgaaaa	420
ctgcggcata	ccggaaagag	cgagtctcta	cgctccacca	gctcgcccgt	aaccaaatcg	480
gcacgtacat	cgcttggttc	caatccagac	tcccagcacc	gcctagtcca	taaagatgct	540
cggatcaccg	aacaagttcg	caagagcatt	gcgtctgaaa	cctctgttcc	agccagtgcc	600

acagcgggatg	gccctcctcg	aaatatcgag	gttggtccctg	tagtcgtgat	tcccagagcga	660
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cggcgatcca	gtcagcgacc	tgagtctgcg	cgggaaggata	gaccgccatc	tcttgacctt	780
acccgatcaga	ggaagcgaa	atcttccgac	tcgatcggtta	ctgctactcc	agcgtcacgt	840
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gacaatcaga	cctcgaatgc	cggccgctgg	gacgccactg	atgctccgaa	gacacaatcc	1080
atctggatcg	gcacgaaga	catgacgcac	ctacgccac	cttccattct	cttcacgcca	1140
gcctcagtcg	catcatcgtc	gccagggttg	attgaaatca	aggaggcgaa	gacagttgct	1200
ttcttccctc	ataataatga	atctctccta	cttggtgatc	agcctgtgcg	agctgcactc	1260
gatcaccag	cgtctcagcc	ggatgattgt	caacgacaga	gggattcacg	aacgcctgag	1320
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cgccacccca	aaaggagcag	tgctctgata	ggttccacca	tgcttagccc	tgaagcgctt	1860
cgctctcaga	cctctctcca	tcggcgctgc	atgctctcct	tgctgtggtg	gaggctgcgc	1920
cttcagctgg	gccccgtgcg	caatttccgc	agacgcctga	ggcggttcgt	tcagcagtg	1980
gaagaagcaa	agcgcgaggg	acgaagggaa	aagctgaagc	agaagattgg	cgaagcggtg	2040
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<210> 5971

<211> 186

<212> DNA

<213> A.fumigatus

<400> 5971

attgccatga	gttcattttc	tctgatagat	ttcgatggga	tgactctca	tgatatgaat	60
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ttgaccactt	tggtgacat	ttacgacttt	ccatatgaac	acgatgattt	gaccccgacc	180
cgatga						186

<210> 5972

<211> 1740

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1708), (1731)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5972

agattgaccg	cccgacgac	aggtactccg	aaaggagtca	aaatctccca	cgaaacctac	60
accagtagcg	ccattccccg	ggccaatgcg	gtagggtaca	cggaggattc	ccgcgttctc	120
gacttcgct	cctacgcctt	cgacgtcagc	atcgacagta	tgctgctgac	cctgggcaac	180
ggcggtgtgc	tgtgcattcc	gtccgacgaa	gaccgcctga	acgacatcaa	tggcgtgata	240
cggcgaatga	aagtcaacta	tgccggcctg	acgccttcgg	tagcccgtat	tctagacgca	300
gatgtaatat	cctcgctcag	tggtccttgg	ctcggaggag	aggccgtctc	agcgagagat	360
gtcaatctct	ggggctcagga	caccaggatt	attatcggt	acgggcctcg	cgaatgcacg	420
attggatgca	cagtgaatag	tagcgcggca	acgggaagag	actatatctc	cattggccct	480

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ggtaaatgggg cagtaaatctg gatagtcgat cctaacgacc atgattctct cgtgcctctc 540
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ccggagaaaaa ctgcagcagc gttcattgaa gaccttcat gggttggttgc gggccacgaa 660
ggttacccccg gtcgtcgggg ccgtttgtac aagaccggtg atctcggtcg atatgaccca 720
gatgggtcag gcggtatcgt gttcgtgggg cgcaaggata cccagggttaa attgcgagga 780
caacgggttag agctcgggga gatcgaaagc caattgagag ccagactgcc ctcgagagcg 840
actgtgatcg ccgagggtgat tgtaccccaa ggatctgggg gacaaccgac gctggtggca 900
tttgttgctg cccagacgac caaggacat gatcataccg gactcgaggc ggcagagctt 960
cccgatgagc ttccaagggc gctgtcagaa gccgatgcgg agctggcaaa ggtattgctt 1020
cgatacatgg tgccaacagc gtatatccct gtcaaccaca tccctacgct gatttcagggc 1080
aaaacagacc gcaagagact gaggcagttc ggcgcaaccg ttgacctgcg ccagctggac 1140
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gcatggagcc agacgttgaa gctccaagcg ggttctattc gtctacagga caacttcttc 1260
gctcttggtg gagactccct cacagccatg aagctggtct ctgtatgtcg gtcccagggt 1320
ctcgacctca gtgtcaccag catgttttagc aatcctacc tgtcagccat ggccagcggt 1380
gtccgtatatt gcgacgtcga cgtgcaaagg acagtcccg cattctcgat gatcacatca 1440
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tggaggaagg catgggagga tgtggtcgcc gcaactccca tcgtacggac acgagtagct 1680
cagctgcccc agcctggcct tcagtgtntt aaccgcgcc gctggaagga ncctatcttg 1740

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<210> 5973

<211> 288

<212> DNA

<213> A.fumigatus

<400> 5973

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agggtcttca atgaacgctg ctgcagtttt ctccggatca ttcaagtagc cctgccctac 60
tatgggacct tctaccagca gctctcctac cgcgcgcgaga ggcacgagag aatcatggtc 120
gttaggatcg actatccaga ttactgcccc attaccaggg ccaatggaga tatagtctct 180
tcccgttgcc gcgctactat tcactgtgca tccaatcgtg cattcgcagg gcccgtagcc 240
gataataatc ctggtgtcct gacccagag attgacatct ctcgctga 288

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<210> 5974

<211> 198

<212> DNA

<213> A.fumigatus

<400> 5974

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cacagcgcag atatcttgcc tcgcagtggg aaacacatca gctacaagca aatgtcgcat 60
gccatccaac atgcctataa ccttgaccg tcgctcgccg accagctcac ttccctcgcc 120
tatcagctcg accaaggacg gggctggata gacctgcagg acctcagcgc tttgaacggt 180
agttatcagg atgcataa 198

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<210> 5975

<211> 888

<212> DNA

<213> A.fumigatus

<400> 5975

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aatatactaa aaactgttgc agagcgcaag agagttctag atacgaagtc aaagacagct 60
tgtttctacc acccaatgaa actcaaacac cagaagaaac aatacaagta tccatgttgt 120
ggaaagagac acggatgcgc ctcaactgcc gcgcatgttt acgcacctgt tccaggtttt 180
atcctggaga attggcagag ctatcaatta acaccgagtc ctatgccagg gcttcgtcca 240
cctcggcgcg tggtcgcgct cgattgtgag atggctcagg ttaaaggagg agattcggaa 300

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gtagcacagg	tctgtgccgt	cgataccttg	accggtgaag	ttattgtcga	catatacgtg	360
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ctcgaggaga	tgaagaggc	tggaaagact	gtcaacggat	gggaagaagc	tcgcaaagcg	480
ctatgggcgc	acatcgatgc	ggacaccatc	ctcgtggggc	aatcgctcca	acacgacctt	540
gacgtcatgc	ggatggttca	tttgaacatc	attgacacgg	ctattctctc	tcgggaggca	600
gtcgcgaaaa	attgcaagca	aaactggggg	ttgaagcgac	tatgcaagca	gatgcttgat	660
cgggatattc	agcagtcacg	gggagggcac	gattgcttgg	aggatacaat	ggcgactagg	720
gaggtggtgc	tctggtgtgt	tcggcatccc	ggcaaaattc	aggagtgggc	agtgtctcaa	780
agggaatgga	aaaagaaagc	cgatgcgcat	gggaaattga	agcggaaaga	gtcggacaag	840
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<210> 5976

<211> 621

<212> DNA

<213> A.fumigatus

<400> 5976

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ggccagtact	acgacgcgc	gcgggtgtct	ccagttgaga	ccgaccatt	caccgaagga	120
aaagatcttg	ctcctcgcca	acctgccacc	accgcagcag	actcacaggc	gccgtacgcc	180
agccagtact	acccgcagca	agggctgaat	atztatggag	gccgaccagc	ttctgcgaat	240
gatgatcgct	cgtagcagccc	tagtggtgca	agcagcgagc	aaggagacga	ggaatatagt	300
agctatcgtc	acgctcaagg	tcgtccgatac	gagtatcctc	ctgccatgtc	tgaagacagc	360
gaggagtacg	aacatgaacc	ccacgaggag	aactatgcat	cgagctccct	cccagcgctc	420
tcggcgccctc	tgtacacacc	aactacggtc	gattactcog	gttccgggtg	gggtgtcgga	480
gtgggttggg	aatcgatgac	tctcgtcat	cgccatccca	cgcgctcag	cgatgttctt	540
gaagaggatg	aaccacggac	cacacctagt	cgagccagtc	gggccagtcg	ggccagccag	600
gctagtcgga	gtgtacagtg	a				621

<210> 5977

<211> 867

<212> DNA

<213> A.fumigatus

<400> 5977

aaagccggta	ctcagaatgg	tgccacgcgc	accgctcaag	ggccagttcc	ggtcaaccat	60
catcctccaa	gcgggtgtccg	gacaccaacc	gatatcatga	ggcagcgctc	ggatcgtgag	120
gcccgggaaga	aggcagaaca	agaggcaatg	gctcggggagc	aggaggaagc	ggagcacagg	180
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accaataactt	ctggaatggc	ccgccgcgcc	gactcccaga	taccagaca	acctgtacct	360
cctaccagc	aagtacctgg	tgtcaacaa	ccggctactg	cgaaagctgc	tgctccgcc	420
agtacattcg	ccaagccaca	gggacaggca	ccttcggcta	gccaatcaga	ccctgtgcaa	480
aatcaacagc	aaccacgccg	ggtcggattt	cctcatgcct	ttgaacggtg	ggaaaccttg	540
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gcgttggagc	gtgaccact	tagccagcag	atggcccgtc	aggtcaccga	tctctccgcg	660
gctggtgcca	acctcttcca	tgcggttgtg	gaattgcagc	gcttgcgtgc	gtcttcggaa	720
aggaagtttc	aacgctgggt	cttcgacacg	cgcgcggaac	aggagagaac	caaggagcta	780
caagccgagc	ttgaaaacca	gctcaagaac	gacgccggca	ggccgcgccg	aaacctgcg	840
ctctctacaa	aaggccgaga	tcgataa				867

<210> 5978

<211> 339

<212> DNA

<213> A.fumigatus

<400> 5978
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 aaagtgagca agtatatcga tgattcaaag gatgtcttga ctgcaacaac aacgtgcat 180
 ccttccaaga taagtctacc ggcctttgca tccggattgc cctcgcccg caatcagaag 240
 ccactatatg tcgctgttgg cgcggaaca caggtagca acaactgcac atccagatca 300
 cacattcgtc gcatggctaa tgtagctgat cccacgcag 339

<210> 5979
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 5979
 ggcgtgaaac aagtcaagcg caccgatctt gatgctcgat tcttattttt agcaccctcg 60
 tcccttgaag aactagagaa aagactgctt gggagagcaa cggagactga ggagagcttg 120
 acggtatggc tgtcctccac attccttcac ttccccaact cgccagactg tcccgctgga 180
 attctaactt tgcgtcagaa acgccttgcc caagctaaaa atgaattgga atatgcggcg 240
 cagcctggct ctcatgataa gattgtcgtg aacgatgacc tggagaaggc ttataaggaa 300
 ctgcgggatt ggattgtcga cgggtggaac tttggagcgc gtcaatga 348

<210> 5980
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 5980
 ttgttcacaa aacatttccg aagttgccta cactgggtat tagtagctat actttacgat 60
 gaccaagat ctctttggta tatcaaatta gctatgaaca tcacaaactc cgcaggagtt 120
 ctctgtgccc aatacaatgg ctacagcgt tctacagaga atcaccactg gacattcgaa 180
 gtttactcaa cacaatacag cctatggttt gtgatgcacg aagacatgtg a 231

<210> 5981
 <211> 231
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (52), (185)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5981
 agaccgcgat cgccaccggg gaccgagacc gtgagcggga caggatcgg anacgctctc 60
 ggcgcgaccg aactcagtcc cctgctgaca gtgactattc ttctcgccac cattcccgac 120
 gtattaagcg agaacgcgaa gatggcggcg aacgagaaca agacagcgcc tgagatgaag 180
 tgtcncccaa gactccgagc ccgagaagga tccccatag ctagagcgtg a 231

<210> 5982
 <211> 447
 <212> DNA
 <213> A.fumigatus

<400> 5982
 tgtagtgaac ccccaacaac gcccattgaa gatgcacgga cacggaccat atcgaaatca 60
 agatcaagat caagagccaa gtgcgctctc aggccgacga gccgatcgcg atctcccggt 120

ccgtccgatg	tggatgggcg	ccgtccggtc	cgccgcgctc	taccaacggt	tgataaggac	180
gccgacgac	gcgaacgtag	gcgtgatgcg	cccaaaaaat	cccctccaga	agacaaattc	240
gacgagcact	ccgcggccga	ggatgaccgc	cgctctcggt	ctccgtctgt	tgattctaaa	300
cgatcgtctc	accggcggga	tagagaacgg	gaggacagaa	atgcacgtcg	gtcgcacoga	360
ccccatcgcc	ggagtcgcag	ccgaagccgg	agtccggagct	gcaacggaga	ttcacatgat	420
gtcgatcgtc	tcccgcggat	tctatag				447

<210> 5983

<211> 495

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (72)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5983

tacgtcggga	atggtggcga	gaagaatagt	cactgtcagc	aggggactga	gttcggtcgc	60
gccgagagcg	tntccgatac	ctgtcccgtc	cacgggtctcg	gtccccgggtg	gcgatcgcg	120
tctttatcgc	gttcacggta	tcgatcgcca	tcccggtcgc	ggctacgttc	tcgttctctt	180
tctctgtcac	gatcgcgac	acgatctcta	tcacgatcat	ggtcacggtc	ccgccgtctg	240
gagtctcggt	ctcgggtctcg	gtcccggtc	ctgtctcggt	cacgttctct	ttcgcggcga	300
ctggagcgg	ccttcctgga	gatagatgct	ctgtctctcg	agcgggaggg	aggctcctat	360
agaatccgcg	ggagacgac	gacatcatgt	gaatctccgt	tgacgtccg	actccggctt	420
cggctgcgac	tccggcgatg	gggtcgatgc	gaccgacgtg	catttctgtc	ctcccgttct	480
ctatcccgcc	ggtga					495

<210> 5984

<211> 183

<212> DNA

<213> A.fumigatus

<400> 5984

atgctctgct	ctccgagcgg	gaggcaggct	cctatagaat	ccgcgggaga	cgatcgacat	60
catgtgaatc	tccgttgacg	ctccgactcc	ggcttcggct	gcgactccgg	cgatggggtc	120
gatgcgaccg	acgtgcattt	ctgtcctccc	gttctctatc	ccgcgggtga	gacgatcggt	180
tag						183

<210> 5985

<211> 705

<212> DNA

<213> A.fumigatus

<400> 5985

gaagagctaa	cagtcaccca	ctatagattt	catggcgagg	agacatatga	ccttgcgaagt	60
ccactaactg	atgccccac	attcgtcgtc	gatcctatcg	acgggtacagt	caattttgtg	120
cacggattcc	catatgcatg	catctctctt	ggatttgcaa	tcgacagaaa	accggtcggt	180
ggcggttgtt	acaatccatt	taataatacc	ctctactccg	ccattcgtgg	agaaggggca	240
tattttaaate	gcaacactaa	acttcctctc	aacgctagga	gccttgagcc	gttgaatggc	300
ctggagaatg	ctctcatcgg	cggttgagtg	ggttcggaga	gagcaggcaa	taattgggtg	360
acgaaggtag	gaacatttga	aaaactcggc	aaaaccaacg	gtgacggcgg	tgcaatggta	420
cgctcaatgc	gtagcgtgg	ctcagctgca	ttgaaccttt	gcgctgtcgc	atgtgggaat	480
ctcgacttgc	attgggaagg	tggttgctgg	gcgtgggatg	tttgcgctgg	ctgggtcatt	540
ctaacagaag	ctggcggtac	aatcgtggac	ggcaaccctg	gcaactggga	agctaccggt	600
gatgggcgaa	agtatctcgc	agttcgagga	tcaccaaatc	aagcaggaca	gaaggagctc	660

atcgaggagt tttgggggca tatacaaggc catctcgagt attga

705

<210> 5986

<211> 999

<212> DNA

<213> A.fumigatus

<400> 5986

ctgcttgagc	ccttcataat	gcgtaaccag	attggtgtca	cggccacaca	tgagagcgaa	60
ctggaggcga	agaaggatga	agcgacacatt	gaagaagtcg	tgctcgccaa	cctgacagag	120
gaggacgttt	ttaggatctc	ccgggaagcg	ctagatcttc	ggtcttggac	tggtttccgc	180
ttattcttga	tcattcttgt	ccagggatgc	aaccaagctg	gctatggtat	tgactgggcc	240
gtatcagcg	gcatcaatgc	cttgccggca	tggcacacct	actttggatt	tggaaactagc	300
ggaggcacat	atggcttgct	caatgccctg	atgagtattg	gcatcgtgtg	tggtgccccg	360
ttcttgtcgt	tggcggacat	aatcgggtcg	cggggaatca	actttctcgg	caacttcatt	420
gtgatcgtgg	gcgcggttct	ccagggtcgc	gcggtgaacc	tctcaatgtt	catggcggcc	480
cggttctctc	tgggattcgg	atctgcgctc	ttgtccagct	ctcaatatgt	cggcggaggtt	540
gccccgacct	atctccgtgg	cttaattgtc	ggcatttttg	gtgcatgttt	ccagataggc	600
agtctgggca	tgaacggggc	catgattgga	ctaaccaaga	tagaaggga	ctggagctgg	660
cgacttccac	tccttttggg	agcagtcctt	cctgcgatag	tctgtgctac	catttacctc	720
ctcaccctcg	aatcgccccg	ttactacatc	atgcgcggga	ggagggacgc	tgccaagcaa	780
atggttgcaa	ggtatcacac	gaccagcggc	gacatcaatg	agcccatgtt	cgagattgtc	840
gtatcgaga	ttgaggcatc	gcttgagcat	gaccggacgg	gcttcaatca	gttctgggat	900
taccgggttt	ttttcacaaa	gatggcccg	ttccgactcc	ttgttttatt	cgtgtactct	960
atcttcacgc	agtggaatgg	cggaggtatc	attacgtaa			999

<210> 5987

<211> 288

<212> DNA

<213> A.fumigatus

<400> 5987

atcttcacag	gcctcgcaac	catgatcctc	ttccagtttg	ccgtacaaat	cacctcctgg	60
cagttcgatg	tcacgggaaa	caccgcagcc	gctgcgctga	ctatcctttg	gatctacctc	120
taccagacct	tctccgctat	gctgattgcc	accatgcaca	acctgtaccc	cgttgaggtc	180
ctgtctctgc	cactccgtgc	caagggaatg	ggtctctatg	ggctgatcca	gggcgggtgca	240
ggggctgtgc	agacatacgg	catcagtggg	cttcaccaca	gggcgtcgc		288

<210> 5988

<211> 483

<212> DNA

<213> A.fumigatus

<400> 5988

tttcggagtt	tttcaccaag	gagtaagttg	ctcttttccc	gttctgggtgc	tggggcgga	60
tgggacgtgg	tggggcgaaa	ggctgacatt	gatgatgcag	tggttgtgga	tggcgtgctg	120
tgcgttgacc	aggacgatct	gaacgagaag	ttgatttgga	tcaagaagggt	caccgggtggt	180
ggcctccagg	agtcctcttt	cgtcaacggg	gtcgttttca	agaagacctt	ctcctacgcc	240
ggtttccgagc	agcagcccaa	gtcgttcaag	aaccccaaga	tctgtgtgctt	gaatgtggag	300
ctcgagttga	agagtggaga	ggacaacgcg	gaggtccggg	ttgagcagggt	ttctgagtat	360
caagccatcg	tccatgctga	gtggcagatc	atctacaaca	agctcgaggc	catctacaag	420
accggcgcca	aggtgggttct	cagcaaactg	cctattgggtg	atttggccac	gcagtacgtt	480
tga						483

<210> 5989

<211> 738

<212> DNA

<213> *A.fumigatus*

<400> 5989

tttggccacg	cagtacgttt	gaaattcacg	ctctacgttg	ttgacggtag	tttaactaat	60
gtctacgctg	tctacaggta	cttcgctgat	cgcgacatct	tctgtgcggg	tcgtgtttct	120
gcggacgata	tggaccgggt	gtgccaggcg	accggtgcgg	cgacgcagtc	gacatgcagc	180
gatatccatg	accgtcatct	gggtacctgt	ggatctttcg	aagagcgtca	gatcgggtgg	240
gagcgttaca	acatcttttc	cgattgcccc	ggtgccaaag	cctgcacgct	cggtgcttcg	300
ggaggagccg	agcaattcat	tgcggagggt	gaacggagtc	tgacacgatg	tatcatgatt	360
gtgaagcgtg	ctctacgcca	cacaaccatc	gttgctgggt	gtggtgcctg	cgagatggca	420
gtgtgcgatt	atctgcatga	cttcgcccag	cacgaccctc	ccaagcagca	ggccgtcatc	480
cgggcatttg	ccaaggcgct	cgaagtgatt	ccccgtcaac	tctgcgacaa	cgctggtttc	540
gatgccaccg	acattctgaa	ccgactgcgt	gtggagcacc	gcaaggagaa	tacctgggct	600
gggggtggact	ttgacaacga	gggtgttcgg	gacaacatgg	ccgcttttgt	gtgggaaccc	660
agtctgggtca	aggtcaacgc	tatccaggcc	gctgtcgaag	tcttcaccac	aggcgtcgcc	720
ggtgccgcac	tagaatat					738

<210> 5990

<211> 573

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (334), (340)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5990

gaactccgtg	tgctcgcggc	cctcgaagag	cttcggatca	acggccttga	tcacgtcgat	60
ggtgcggttg	atgcgatcgt	agaactcctc	aaaggttttc	tcgttgtctt	ccatcggcac	120
gatgtcgggt	ccggagaggc	gggcgacgga	gttcttggat	gtgttgctga	cgcatcgac	180
ctggaagctc	aacgggagca	tgtctgggta	gagacggggc	tcggcgaact	cggagagggg	240
gatgttggtt	tctttggcgt	attcttcggc	ctttttgagc	atgaaagtca	gggtgtccag	300
gcccttgagg	taggtgggga	cgggtgtagg	gtanatcgan	gaggtcattt	tgactgcgtc	360
ttgagtggaa	gaccttcaga	agtgagaatt	gagtttggtg	tctctgttcc	tggtgttctt	420
tctttcgcta	tcgagatgct	gggcttcggg	ctcatttata	cttcttcgga	ctgccccgca	480
aacggatcat	catcagagcc	ccgccgtcga	tacgggtcga	atgtttotcaa	tccatccgga	540
ggaacaagca	atggaatctc	cagtgcaacc	taa			573

<210> 5991

<211> 540

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (36), (42)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5991

aggctcttcca	ctcaagacgc	agtcaaaatg	acctcttcga	tntacaccta	caccgtcccc	60
acctacctca	agggcctgga	caccctgact	ttcatgctca	aaaaggccga	agaatacgcc	120
aaagaaaaa	acatccccct	ctccgagttc	gccgaggccc	gtctctaccc	agacatgctc	180
ccgttgagct	tccagggtgca	atgcgtcagc	aacacatcca	agaactccgt	cgccccgctc	240
tccggcaccg	acatcgtgcc	gatggaagac	aacgagaaaa	cctttgagga	gttctacgat	300

cgcatcaacc	gcaccatcga	cgtgatcaag	gccgttgatc	cgaagctctt	cgagggccgc	360
gagcacacgg	agttctcagt	caagttgggc	tcgtatgagt	cgacttttac	cggcgagtcg	420
tacgtcaatc	gctttgggct	gccgaatctt	ttctttcatt	tgaacattgc	gtatgccatc	480
ttgagaagta	aggggggtgcc	tctggggaag	tttgattatc	tcaagtatct	taattcttga	540

<210> 5992

<211> 291

<212> DNA

<213> A.fumigatus

<400> 5992

atttccgtcc	cctcagccct	tgtctgtaca	cctccggacc	gggcccggac	tcgaaacccg	60
cggtttttat	tcaatgccgt	gctgtccaag	attggtctcg	atgggcgggtg	ctcgggcaat	120
gcgtacagct	cttcgccata	ctggagtcac	ggcctgatgg	cctggttctt	gacttgtgtg	180
atgcagccga	tgggcaagtt	ggttgtcggc	cagaacaagt	ccatgcacga	ggccattcgg	240
aagcgtgcct	tgcgtaaggc	ggagcgagag	aagggggaaga	agagtactta	g	291

<210> 5993

<211> 237

<212> DNA

<213> A.fumigatus

<400> 5993

tatggtaaaa	ctggaagacg	ccctgcgaac	caagtctgga	tcggctgtac	caagagggat	60
gtctacagtg	gagcgtactc	taacagatct	tttcgttatt	catccttggt	gatagtctta	120
atcagtcttc	ggcactatg	tcctccaaca	ttagacctta	attcacatgc	agtcaccaac	180
attagctgtc	gtggtcaggg	tacgtacggc	ctgaaagcca	accaatgccc	gccctag	237

<210> 5994

<211> 663

<212> DNA

<213> A.fumigatus

<400> 5994

tcgattgagt	cagagtacgt	tgttaccggc	catgctttct	ttaatgttac	tgcttataca	60
atcataggcg	aagggttatat	accaatgact	gcgcgggtgt	cgcttctgga	ccagtcggga	120
tcggagtctc	catgggctga	agaacgccca	gaggcagcta	caccgtctcc	cgcttgga	180
aacactcgaa	ctgactctca	aaatatgtca	tccatgcctc	atgtgggtccg	tgggaatggc	240
tcgacatctc	ctttccagac	ctcatacata	ggcaatgagc	ctgggtactc	ttcacaatat	300
ctgcagcaag	cagatcatgg	gtcgcttgct	ccaggaagcg	gcacgaaac	tccttacgtg	360
actgattcta	ccatgacgac	tccatcgtca	catgaactta	tcgaagtcga	tgagccctct	420
cacgcggcg	ctgagccac	tacacagctt	ctatcacgga	atacctcagc	tgcacctgcg	480
ccaccattgc	cgcagccgc	gaacgcagat	gcaaatcagg	ccccaccact	accgttgaga	540
aacgctgcat	tgtccgaatc	agatgaacag	caacagaacg	agcagagatc	cgagacatat	600
acgatccgcc	atgtcaactg	ggacagaccc	caccggggaa	attgccagag	tctcccgtcc	660
taa						663

<210> 5995

<211> 297

<212> DNA

<213> A.fumigatus

<400> 5995

gcagtctgcg	aaaatcagcc	aatatacccc	gttctaacta	gttgtccact	ctactactcg	60
atttattgcc	ttgagaagaa	caagccatct	gcggcttgga	atttcatcaa	ttcagcctcc	120
catatgatcc	aagcactggg	cctgcaacat	aacgtgcctg	ctggcacaga	acagcccgga	180

gtcaaggctc agaacaggtc cttgttctgg accattttaca tcaactgagaa gatgctgtcg 240
ctgcgccttg gatgttcacg gaccttccga gatcaggaca tcaactttggc ccgcct 297

<210> 5996
<211> 408
<212> DNA
<213> A.fumigatus

<400> 5996
caactttcga tcttcgcaac tccaccagac aaaatgctag gctatctccc cctgttcgcg 60
tcgctggctt ccgccgcaac cctgtatgcc acccactaca gtggcgctgt ttacaccctc 120
tccctcacc atcgcaatgg caagtacaat ctgtctctcg cgtcggacat gaccacctgc 180
ggcggcatgc cgagttgggt gaccctggac cgcgacacga ccacgagcac tctctactgc 240
tccgacgaga caggcgacgc gacgacaaat ggcaactctga cctcttacgc cgtcggcaaa 300
gatggatcgc tcacgcagct cgcaaagggt gttgacgttg gtgggtggcg ccacagcgtc 360
gtgtacgaag gagaaggcgg cgcaaagtac atcgccattg cacattag 408

<210> 5997
<211> 840
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (67), (81)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5997
cagcagagaa gctccggttc ggcggtatcg acctttgccc tccccctcga atctggggac 60
gagccantac agatcctgcg ntaccagaca ccaccaggcc cccttcccca gcaggactcc 120
tcccatcccc accagatcat cctcgatcct acaggctcgt tcatcctcgt ccttgaccta 180
ggcactgatc aggttcgcgt ttacgcaatt gacaagcaat cgggtcaact aaacacctgc 240
cccagcctca actacacccc cggcagtgga ccgcggcatg gccttttctg gtcttcccac 300
cactcgcac gcgatggtct gcgcatccag aaaactgccc ccctaaccgc cccacacaca 360
attctgtata cagtcagtga attgagccgc cacttccacg ctttcgcgt ctcgtacctc 420
ccctctggct gtctcggctt ccgagagact caggatttcg tgccataccc gggcggggaa 480
atcaccgagg gcgcatcgct ggccgagctg cagcaagccg gatcaaactt gtatgcctcg 540
atccgcagcg accatgcctt ctccggcaat gactcattgg ccaccctcaa ccgctctcag 600
aacggcaccg tgacctttca ggaacttacc tcttccatag gcctgggttc ccgtaccttt 660
gtcatcaaca gggccggcac cctggtcgct atcgggggacc agtcctcttc caatgttgcc 720
attgtctccc gggatagcgc gagtggaaag ctgggtgacc tggtcgctaa cctccaggtc 780
ggagagcccg ggaagcccgg gacttcaaca ggcctgagca gcgtcatctg ggcagagtaa 840

<210> 5998
<211> 1377
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1365), (1366), (1371)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 5998
tcccagggcg cgggggtgtc gggggctcggg tcgctccagc gtctcctaac gcagggtcaa 60
ctacattcag caaaactgtt ggcgggttgg acctcttgca cgggtggtcg ggcgcttcga 120

gaaaaaaaga	aagaggagaa	gctgagggag	gaaatagagc	aagacttagt	ggtagttgc	180
gctacccag	ctgtcttttc	ggggccgtcg	tcccttgga	actcgacagg	actcttgccc	240
gaagctgccc	ttcgtgagac	tttgctgggt	ttcggacttc	acaatatgac	tccggatgat	300
gcctgggatt	tcttgaaggc	gaagctggtg	gttatatttg	acgggtgaaga	cgtccgtata	360
gcaattgagg	acctgaacaa	gttggtccta	attcacattc	aacgctgcgt	gcagaagcac	420
acgccaaaccg	ccattgtcga	cgatttacga	gagctgctcg	agacaggatg	tgccctcgta	480
aatcatcac	taaacggagt	gcctgacgaa	aaactgggtg	ctcatttggg	gcagatatgg	540
ctactggttt	ttggcaccat	tcttccattt	attcaagctg	tgtttttgcc	actcgatcta	600
gagtttcgag	gcgcagggtt	cgtgatgaat	ctacgggagg	caaaggattt	ttggaattct	660
gtaccgaccg	gcaaggactt	tgaaaatgaa	ctcgaagtgc	gacacctggg	cctggtggtc	720
ttccgtgaca	tggtcattct	aaaacgttat	gaaggcttga	aggctacatt	ttcgcgcttg	780
agccttgata	gcatcaatgt	gggctcgtcg	gctctcagca	tcacaacaaa	gagcagtaac	840
aatagcggcc	gacctgccac	tgccgcttct	ctcgatgctg	gctttggcag	ctacaattct	900
caatcatcta	cgctcctcaa	tacggcgggc	agttactcgt	cggactcaat	gagcaatcgc	960
agccgtgctg	catcaaacac	gtcgtccaat	ccagaccaac	ttatctttca	gtccttctca	1020
tcccaaatac	aacgcgcaac	cgtcattcac	agggcctcac	atacggcaga	tacttcccaa	1080
ctcattaccg	agacggtcgg	gcggatgcta	caatgcctca	gtgtcctggc	cagtgtgcag	1140
acaggtgatg	aagcgcaaga	gaagattgag	actctgagca	aagcactgaa	gcacaactgg	1200
ctcggacgcg	gacggacagg	gcgggatcga	cgcgggtttg	tccggagcga	ggttcggccc	1260
agtataacga	cacacacgac	tagtgatgat	tctatgaatg	atccgagaaa	tagcgattta	1320
ggctgggtctt	caccacgggg	ctgggaggtt	ccgaagtctc	agtttnaggg	nttcaat	1377

<210> 5999

<211> 636

<212> DNA

<213> A.fumigatus

<400> 5999

agccccggggg	ggggggggggg	ggggggggggg	ggggggggggg	ggggggggggg	ggggggggggc	60
gggaggggggg	gggttgccggg	gggaggggggg	ggggggggggg	gggggggggagc	cgaaagcaag	120
ggatttccta	cgggaaaaga	attaagggtta	ataccgttcc	agcaaggcga	ggggggggctt	180
tccccgggtta	gaaggggggtt	taatcaggga	ttggttaaggg	gggtggggcg	ggggggggggg	240
ggggggggggg	gtgggggggga	tgggggggtg	gagtgggacg	catctgtgaa	tccgggaagt	300
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gctgggggtt	ggggggggggg	ggggggcgggg	ggggagggga	gggatggtgc	gggggagcgg	420
gcgtgggttg	gtcggcggtg	agcagttgga	ggccgggtga	tcccagggcg	cgggggtgtc	480
gggggtcggg	tgcgtccagc	gtctcctaac	gcagggtcaa	ctacattcag	caaaaactgtt	540
ggcgggttg	acctcttgca	cgggtggtcg	ggcgcttcga	gaaaaaaaga	aagaggagaa	600
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<210> 6000

<211> 375

<212> DNA

<213> A.fumigatus

<400> 6000

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ctcccccccg	cccccccccc	ccccccaacc	cccagcctcc	ccgcttcccc	ccctcccccc	180
catccctccc	ccccccccgc	atggctgtcc	ccttgtactt	cccggattca	cagatgcgtc	240
ccactccacc	cccccatccc	ccccaccccc	cccccccccc	cccccccgcc	ccacccccct	300
taccaatccc	tgattaaccc	cccttctaac	ccgggaaagc	ccccctcgc	cttgctggaa	360
cgttattacc	cttaa					375

<210> 6001

<211> 429

<212> DNA

<213> A.fumigatus

<400> 6001

ccactaagtc	ttgctctatt	tcttccctca	gcttctcctc	tttctttttt	tctcgaagcg	60
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gcgttaggag	acgctggagc	gacccgaccc	ccgacacccc	cgcgccttgg	gatcaccg	180
cctccaactg	ctccacgccc	acccacccac	gcccgcctcc	ccgcaccatc	cctccccctc	240
ccccgcgcc	cccccccccc	ccaaccccc	gcctccccgc	ttccccccct	cccccccatc	300
cctccccccc	ccccgcattg	ctgtccccct	gtacttcccc	gattcacaga	tgcgtccccc	360
tccaccccc	catccccccc	accccccccc	cccccccccc	cccgccccac	cccccttacc	420
aatccctga						429

<210> 6002

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6002

gtcagacccc	gatcgggatt	tggtgttttg	agacttgata	catactttgt	cctagggcagg	60
gtctctggca	ttgccggagg	tggccgactg	agagtactcc	gtgctctatg	gggtaaagtc	120
gacaacctag	agggtagggc	ggatgccatg	gataacgctg	cgggtgcggga	caccgggtcat	180
atccgtgtga	atgaacgcag	atga				204

<210> 6003

<211> 630

<212> DNA

<213> A.fumigatus

<400> 6003

tacaaagcgc	agttcatgct	acagactttg	gctgaccaat	tgaaggaaag	tgcaggtcaa	60
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accctacgca	tgtagatag	ctcaaagaag	ccaatgcggg	tcccttacia	gattcctcat	180
cctgctccgg	ttgacatg	cattagtccc	aaaccttcaa	agtccccggg	actccgaatc	240
gccgatgcga	aagagcgag	cgccacctat	accatgagtc	aaaggcccgg	gatatcgga	300
gacgagcgtg	aagccttacg	aaggagagat	agcgagagat	tactgctgg	tgcacggccg	360
atgccgatga	ccctacaagg	attatcatct	cttgcaaacg	aacggataga	ggatgcaatt	420
gcacgtggac	agttcaacaa	tatcaagcga	ggcaaaggcg	tcaacgtcca	gtcagatcac	480
aatgcaaata	gcgcgttcat	cgacaccacc	gaatatctta	tgaacaagat	catacagaag	540
caggagattg	taccaccatg	gatcgagaag	caacaggagt	tcacgaggga	ggttggtctt	600
acaccacggc	ggctcgaagg	acatgcgtac				630

<210> 6004

<211> 243

<212> DNA

<213> A.fumigatus

<400> 6004

aggatgtggg	cgaagggtgt	tcttttctac	gcaacttgca	tgtctgtcac	tcaattgctc	60
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ggcgctcaca	tagaagagtg	gaagccactg	tgccagtatc	agtctgataa	agcagtggtg	180
gatgtgagca	agttcttctc	tatcccgcga	tctacctatc	tgaccatcta	ccaatctaga	240
taa						243

<210> 6005

<211> 189

<212> DNA
 <213> A.fumigatus

<400> 6005
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 cccggcgacc ccgtcgagct caactacact gggatatctgt acgacgaatc gaaccagac 120
 caccataaag ggaaggagta tgtgaccgcc gtaaccaaca ctcacggca gaggcgaaaa 180
 gctagctaa 189

<210> 6006
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 6006
 gaatttttgg cgcgaggagg ccggtttgtc ctttcagatg atagccacgg gctggaccag 60
 gtcggcttca atttccacgg ggtgctggcg ttcattggaga aggctggat ctcgactttg 120
 cattatctcg agctggggga tgagccggcg gtggacgagc ggtttccgag gacgcagatc 180
 cggtcgatcc atgtcagtga gctgaagaag atgtctttct ggcaggtcta g 231

<210> 6007
 <211> 744
 <212> DNA
 <213> A.fumigatus

<400> 6007
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 gttggcttca tcatagacca ggaactcgtg cagggcgcta ccggcgaggaa ccatggggag 120
 cacgggcacc ttgcggtcag tgaagacctc aagcagagcg ggaccatcgc tctcgatcag 180
 ccacttcagc ttctcctcca cctcagaagg cttagtgcag cgctcagcag cgacacccat 240
 agaccgagcc atgggcacaa agtcagggtt cttctgggtg gtatgcgagt accggtcctc 300
 gtaaaacagg ttctgccatt gtgtcaccat gccctgctct tcgttgttca gaaggaggac 360
 cttgacgccg atgttgaact gagcagccgt ggtaagttca gtaagagtca tgttgaacga 420
 agcgtcacca tcgatatcaa tgacgaggca atcggggcgt gcgaccttgg cgcgcatagc 480
 agcgggaagg ccgtatccca tggatccgag accaccagag gtaatcatgg tgcggggatg 540
 gcgccaacgg aagtgtctggg cagcccacat gtgatgctga ccgacaccgg tagtgatgat 600
 ggtgcggtct ttgatggggg cagtgcagatc gctgagtttc tcaatcaagg cctggggcctt 660
 gatggggccc tccgggctct gcttctcgta cagagaaaag ggggaagcggg ctttccagtc 720
 attgatctga gcacaccatt gtga 744

<210> 6008
 <211> 186
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2), (3)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6008
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 tttgacgatc gtgtgaccgg taacctctcc aagtttgctc ctcaggccaa gtatggctgc 180
 atctga 186

<210> 6009
 <211> 933
 <212> DNA
 <213> A.fumigatus

<400> 6009
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 gctgtggaag gagattgtgc ccacaacatc cgcctcctgc ttcaccatgt caatccgggtc 180
 tctgaaacat cacaatgggtg tgctcagatc aatgactgga aagcccgtt ccccttttct 240
 ctgtacgaga agcagagccc ggagggcccc atcaagcccc aggccttgat tgagaaactc 300
 agcgatctca ctgcccccat caaagaccgc accatcatca ctaccggtgt cggtcagcat 360
 cacatgtggg ctgcccagca cttccgttgg cgccatcccc gcaccatgat tacctctggt 420
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 gattgcctcg tcattgatat cgatgggtgac gcttcgttca acatgactct tactgaactt 540
 accacggctg ctcatgtcaa catcggcgtc aaggctctcc ttctgaacaa cgaagagcag 600
 ggcattggtga cacaatggca gaacctgttt tacgaggacc ggtactcgca taccaccag 660
 aagaaccctg actttgtgcc catggctcgg tctatgggtg tcgctgctga gcgctgact 720
 aagccttctg aggtggagga gaagctgaag tggctgatcg agagcgatgg tcccgctctg 780
 cttgaggtct tctactgacc caaggtgccc gtgctcccca tggttcccg cggtagcgcc 840
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 agcagaaccg cccccgagta ccttcacaag tga 933

<210> 6010
 <211> 429
 <212> DNA
 <213> A.fumigatus

<400> 6010
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 ctcaaactat acgtcagca cccctggctc tacaccgcag catgcctcac agcctacctc 180
 actctcacc cttccctcgg cttccaacgc ctccgcagca tccaagcgaa ataccacaag 240
 tactcaacc gggcatcctt cgccagcatg accgaccacg acgcctgggc gattcagaag 300
 cgaatcctcc agctcgagtt cccattcacc gcgctgaaag ccctgcagtt tgctctcttc 360
 cgcgtactcc cccccaaagc tttccccgcg tgttcaccac gagcgccgga tccggccata 420
 gtggggggga 429

<210> 6011
 <211> 1242
 <212> DNA
 <213> A.fumigatus

<400> 6011
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 gtctccatcc ggctggcacg caaaatggga ctccatcgcg atgggttact tctcgggtctc 120
 tcgccgtttg acgcagaaat gcgaagacga ctatggtggc atttgggtcca tgtggacttt 180
 ctgctcgccg atgtgctggg aaccagaccg tcaatggata tctcctgcgc ggacacaaaa 240
 acgccccctc atgtccatga cgcggatctg catccggaca tgaccgatct gccgcctgaa 300
 cgccacggca tcaccaatat ctccctttgc ctcatcagat accagatcat ggtctctttg 360
 catgatttct caacatcttc ccttgccgat atgcgctggg aagtattact tggggccaat 420
 gtccctcccg ccaaaaagga ccatatcatc agccaaatcg aggatcatct agaacaaaag 480
 tacttgcggt attgtgacc ggcaaaccca ctccatactt tcgtatccat catcacccga 540
 ttctccatat gcaagatgaa gctcgttgct cataaccac gccaatcgc ctgcagtccc 600
 ccgaaagatc ttcaagcgga gcgcgatatc gtattcgcca acgccacaaa actattggaa 660
 tatgtgcgct tgggtgcaagg cggccattgc ggtctggaga aatacacaag gcagatcggc 720

acaagcgcac	tgtggaacgc	aatgctttac	atgctgatcg	aaattcgaca	tgcggaacc	780
gggccggagg	tggaccggtc	gtggcagttg	atcggagtcg	tgttttcctg	ccctcggatc	840
tttggcagaa	cccctcccca	ggtggacacg	gtgcttcgca	agtggacgct	ggagggttgg	900
gaccactatg	ttgccacttc	gaagattgaa	gggctgccag	aaccattgac	gcctgagtat	960
atcaatgaaa	ttcgtcgggtg	gatcagggtcc	agaagcgatc	tatctcgaaa	cgaaacgcgg	1020
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ggacatgaaa	ggcttccctgg	gtttccggaa	ctcttgactc	ttacgagttt	aatgacattt	1140
tgtctttcga	gatggaccgg	aatgaatgga	tccagtggga	gcagttggtc	gcaggggggg	1200
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<210> 6012

<211> 270

<212> DNA

<213> A.fumigatus

<400> 6012

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acgtttcatg	catccgacga	tgtttgcatc	ctactcatct	ccgcgacggt	ctccagtaat	180
tcttctgcaa	aagactcctc	cagccaaatg	gctcggagca	aatgtctttc	tctgggggggt	240
tgctgcggcg	gccgggtgcg	gcacccgtga				270

<210> 6013

<211> 1317

<212> DNA

<213> A.fumigatus

<400> 6013

tcgcagaggc	tcccctcggt	acgtttcatg	catccgacga	tgtttgcatc	ctactcatct	60
ccgcgacggt	ctccagtaat	tcttctgcaa	aagactcctc	cagccaaatg	gctcggagca	120
aatgtctttc	tctgggggggt	tgctgcggcg	gccgggtgcg	gcacccgtga	ctatccact	180
cttctgggtc	ctcgcatctt	cctcggcatc	tttgaggcga	cgggttggtcc	ttctctgatg	240
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gtcgggtctg	gggtggcaca	gatcctgggt	ggtctgatct	cctttggctt	ccagcatgtc	360
aagaatccat	ccttccaagg	ctggcgcgtc	atgttccttg	ttctcgggct	gatcacgtcc	420
attactggcg	actgacctt	cttcttcttg	cccgcacacg	cgatgaaggc	aaagtgggtg	480
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gagaacaagc	gcagggaccg	tgctgcacag	gggcagcagg	aggatcaggc	accggatgac	1260
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<210> 6014

<211> 579

<212> DNA

<213> A.fumigatus

<400> 6014
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 ggcggaggca acgactttac gagagacaga atgggacgtt atatttattt gagaagaaat 120
 gattcacaaa gtaatatcca tcccaagcct gtcgtagggt ggaaggtttg tccttacacc 180
 gagtcgattt cagtgcgctc tactcgttgt cctatgactc ccagtcagtt aatacgagaa 240
 gaagccgtct ggagattctc cctgcccaga gtcttgtcaa cgcctacgac aatggtggag 300
 acgacggagc caattgcgca cgccagcgag ctggacaaac ccagcatcgt tgtcacgaac 360
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 tgctccaga acgcaaggct cgcagctgta aactcgtgtg tcaacgagat cttcgaggct 480
 cgcttccggg agcggcccga cgcgcccgcg gtctgtgcct gggatggcag ctacacttac 540
 cgcgagttga acgacagatc atccgctctt gccactaa 579

<210> 6015

<211> 378

<212> DNA

<213> A.fumigatus

<400> 6015
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 ccattgtgtt tagcagcgaa gaatgggtcat cctgcggggg ttcgactctt gtcgaagag 120
 ggcgcaaact ttattcttcc agacaaaaac ggcactactc cactgatgca cgccttagca 180
 gaagggcata gcgaagtagt gtatctccta cttgaagcag gcgcgcaaaa ggagagcact 240
 ccgttagaag tcgcggttga gaacaacaag aagtctgcga ttcgaaatca cttggcgcac 300
 ggcgccaaat acgatctcct ggccaggagg tcctctttat catggacaat caataacaga 360
 gatcaagagg ctgtctaa 378

<210> 6016

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6016
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 gccagcata tgcaggctcc cgaagccaac gtcgcttttg agagcatgac atggatagta 120
 tccatggaaa cttatgctcg aatgtctccg agcactattt atttctactt gcagctgcag 180
 cgttgcttca caggcaacca agagaggaag ctacattag 219

<210> 6017

<211> 408

<212> DNA

<213> A.fumigatus

<400> 6017
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 gggttacgatg cgtccgtcta caactctgtc cagggttcca agaactgggt caagttcttt 120
 aacgaccag atgagaacat gattggcgca gtcaacacgg cctacaccgt ggggtgccatc 180
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 ggcgtcgggt gtgtccttgt tattgcatcc accttcatgc agacatgggt cccacgtgggt 300
 aacatcggat gcttccttgc tggccgtctt atcatcggtg tcggacaggg tattgccttg 360
 agtgagtatc ctttgccaat ggagtgtatt ttgtcgtgca ctaactga 408

<210> 6018

<211> 402

<212> DNA

<213> A.fumigatus

<400> 6018

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gtaacacggc	tttgtataga	atctgaaaag	aggatggtag	agaagtatac	accaggtgcc	120
caatcgagc	ctctcgctct	tgtcagccaa	gccctagact	gtcgtagggt	gcttgtcgta	180
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ccagcccatt	atattagacc	atgggacact	cacgcccattg	gccgcatcct	tgtgaacact	360
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<210> 6019

<211> 480

<212> DNA

<213> A.fumigatus

<400> 6019

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ctggctacga	ctctgtcact	gccaatgaac	tatggcccat	cttttacagg	cctcgagacg	180
ctgcgtatga	atatagctgc	attgtacggc	agtgaatcag	aggcggtcat	atccccagc	240
aacatcatca	ctacacctgg	tgcctcgctg	gcaaacttta	tctgtttctt	tgccctggtc	300
ggaccgagag	atcatgtcat	tgtccagaat	ccaacttacc	ctcagttata	ctctctacca	360
tccggtctgg	gtgctgaggt	gagtctctgg	caagcaagcg	agagtaatca	ttggcagctt	420
gatttggacg	aactggagcg	cctcatccag	ccaataacca	agatgatcgt	cttgaagtaa	480

<210> 6020

<211> 642

<212> DNA

<213> A.fumigatus

<400> 6020

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ctggggaaga	ttgtcgacct	ggcccccgcg	cactccatca	ccatcttcag	tgatgagatc	120
tatcgcgctc	tgttccaactc	aattccgtcg	acggaccgcg	aatacccccc	ttcgggtgctc	180
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gcccggctcct	atacggtcac	cacagtcagc	cagatcgacg	agcaagttgc	tgccatggcc	360
ctcgagccgg	ttcgtctcgcg	agagttgacg	aaacgcaatc	tgggtctggc	cacgcacaac	420
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gccgctggac	ccgtcgggtt	tgtcaaatc	agccgaaacg	gcgtcccggg	cgatgatctg	540
gaactctcgcg	tccttcttct	cgaaaagaag	ggcgtgctac	tctgtccggg	gcaaaagtgc	600
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<210> 6021

<211> 414

<212> DNA

<213> A.fumigatus

<400> 6021

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ttctacaaaac	cgtacaaaaga	actcgccccg	aataaaaactg	atgttgcccc	cgatggcgca	180
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cagtttctgg	gacgtacgc	caagggtgtc	attgtggata	ttccgcacgc	ggcagcgga	300
agcttcagge	aggctcccgcg	cctgtatggc	gaacaaccca	aggactacgg	cgctgtgcag	360
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<210> 6022
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 6022
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 ggaagcatcg ttgtggacag cccgcaacgc ttgtccaata cagtgttgca ggcagtggct 180
 gcgtctggtg ttctgtgcat cgtgtcacga ggttggagca aattggctgg agacgggaat 240
 ccaaacatct acttcatcgg cgactgtccc cacgaatggc tgttccagca cgtttcagca 300
 gtcgtccacc acggaggtgc tgggactacc gcctgtggac tggccaacgg gaaaccaaca 360
 gtcgtcgtac ctttcttttg agagtgggtt tgcattcctc cgtatactgg gcaagagctc 420
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<210> 6023
 <211> 768
 <212> DNA
 <213> A.fumigatus

<400> 6023
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 gcccgcaacg cttgtccaat acagtgttgc aggcagtggc tgcgtctggt gttcgtgcca 180
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 ctgggactac cgcctgtgga ctggccaacg ggaaaccaac agtcgtcgta ctttctttt 360
 gagagtgggt ttgcattcct ccgtatactg ggcaagagct cattagtatg tagtcaacaa 420
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 cttagcattc ggaatctggc cgaggctatt cgattctgcc tgaagcccca gaccgttgct 540
 gctgcgcgtg aaatcgccgc caaatgcag tttgagtcgg gcgtcactgc cgccgtacag 600
 tccttccatc ggcattcttc gctagagcag atgaggtgtc aggtattccc agaccaggtt 660
 tctgtgtgga aatacgcaag gcacaagcgg gagatccggc tatcaaggaa agccgtgcag 720
 atttcatcgc accacttaaa gattgatcca aagaatctcc gctggtga 768

<210> 6024
 <211> 846
 <212> DNA
 <213> A.fumigatus

<400> 6024
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 ctgttaaatca tcattttcct cccagagacc attccgtaca aatcaaaggc cgagcttgcg 180
 ggccacagtc atccgaagag gatcaaaatg ctgtggcagc gcattctacc cttacgtgct 240
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 aatgggcagc gcgtgtcgga ggaccgactc cggctcctgc tcccatatat ctgcacgtt 540
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 agttacgtct ttcgatacgt gtttgccgga attggtaccg gcgttgtctt acccgctact 780
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 gtttag 846

<210> 6025
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 6025
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 agcaccacat ctcccagccc gttcgaaacg agactaacct gtcccacccc ccgggaaatg 180
 cacacgtag 189

<210> 6026
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 6026
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 gaaaagccag atgtcactta cgccgacgtc ggtggattgg acatgcagaa gcaggagatc 120
 agggaggcag tcgagctacc cttgacgcat ttccgacctt acaaacagat tgggtgagtcg 180
 gagtcacgca gggcaatgtc tagtgcggtt tgcttacgct actcaaggta ttga 234

<210> 6027
 <211> 774
 <212> DNA
 <213> A.fumigatus

<400> 6027
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 cccggtactg gtaagacgat gttggtcaaa gctgtggcaa atagtacaac tgccagcttt 180
 attcgtgtga acggttcgga gtttgtccaa aaatacttgg gagaaggacc tcgtatggtt 240
 cgcgacgtgt tcagaatggc tcgtgagaac tcacccgcca ttatcttcat tgatgaaatc 300
 gatgcaattg ctaccaaacg attcgatgcc cagactgggtg ccgatcgtga agttcagcgt 360
 atcctgcttg agctcctcaa tcagatggac ggcttcgaac agacaagcaa tgtgaaggtc 420
 atcatggcca ccaaccgagc ggatactctg gatccggccc tcttacgtcc aggtcgtctg 480
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 acaatcgcac cgaagatgtc tttgtcccca gaggtcgatc tggattcact catcgtaaga 600
 aacgagccac tctctggtgc tgttattgcc gccatcatgc aggaagctgg actacgtgct 660
 gttcgcaaga accgctacaa tatcatccag tctgaccttg aggacgccta tgctgctcag 720
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<210> 6028
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 6028
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 aatcccgtca acctccttcc acacctgcag ctctttggca tggactccga ctgcaacaag 120
 cgcggcgcaa agatctgtgt aaccacgacc aacttgatca agaagacccc caggtacagt 180
 cccgaagaat ccagtgacca ccggcacctt tcttcgcaa tccctgatct ttctgccaag 240
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 aatcacttcc gccagatcca catattgtga 330

<210> 6029
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 6029
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 gaacccctca gaacccagtt aatttcagag atcaatggcg agtgcgaaag ggtcctgaag 180
 gtccttgagg ctgcgcaaac gtcgggggag ataagtgcgc gttgtgtgga caaagtcac 240
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 gagctgcagg tgtggaagga ggttgacggg attttcaccg gctga 585

<210> 6030
 <211> 294
 <212> DNA
 <213> A.fumigatus

<400> 6030
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 gcagcgtgtt cttgtcatac tcgacctagc agtatgggag accaagtaca atctgattcg 180
 agtcctata ctctgtcaat gaccaatggc agttcaaact gggtagtaca gaaatttggg 240
 ggcaccagtg tcggaaagtt tgccctaaat atcattgatc atgttgtgct gtaa 294

<210> 6031
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 6031
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 cgtggactgc gagttccgct gctttccgcc ttcaagtcca agaaagctat tgatcacgag 120
 ccagctcccg ctgccactcc tgtttctact gtccttcggg ctgctgctcc tgcgcctcca 180
 gctcccgtcg ctccctctca gtaccccgct cgaaccgact ctgcccccat tcgacctgca 240
 cgaccacaga atgacaagga gctacctccg aatccactgc ccggtttttc tccccacatc 300
 ggcaccccta gggccggagg atatccacc agcccttcag aaatgaaccg tcagctgcgc 360
 ggaaccacaa ttatgcacct cctaccagag cccgcgacga accaccagtc cagatcccca 420
 ctcaacagac ctcttcacgc gagagctcag taccgccaga tgcaggcgac ccattag 477

<210> 6032
 <211> 666
 <212> DNA
 <213> A.fumigatus

<400> 6032
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 ttcgtaaatg atgccattat cgggcggaac aagtatcgcg agcttgaaga tggagatgaa 180
 atcaccatcc tggatgaagc gcgattcggt tttagatacc cccggacgag agacacgaac 240
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 tacttatgcg tagaacgggc gactggcact caatatgccg ttaaagtgtt tgagaggcgt 360

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aagttttccg	aagaagaaac	ccgccacatc	tttggttcagc	tctttgaggg	tctgaaatac	600
ctggttaagat	ccttggttcat	tggattgcaa	tctacgctac	cagtcccagc	ggaaaagaag	660
acttga						666

<210> 6033

<211> 300

<212> DNA

<213> A.fumigatus

<400> 6033

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cttgtggcag	acaagaagct	gactgtgaaa	cttgggtgact	ttggccttgc	caagatcatc	180
ggcgaagatt	cattcaccac	aaccctgtat	gtgctgcctc	tctttcttca	gatcgctttt	240
ttccttttgc	cttggctgat	cctttttattc	acagatgtgg	gacaccaagt	tgtaagttga	300

<210> 6034

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6034

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tctggtcact	gtggagtcgt	tctatacata	tgccttttgcg	ggtttccgcc	tttctcagat	120
gagctttaca	cgctgaaaa	cccctttaca	ttggcacagc	agatcataat	gggcccgatt	180
tga						183

<210> 6035

<211> 579

<212> DNA

<213> A.fumigatus

<400> 6035

cttaacagtc	aattcattat	aataattact	atcgacagcg	tgtttggtct	tatcgcatgt	60
gtggattcca	cccttatctg	cgtgcattat	tgtttctccc	tgcctttttt	tatccctgct	120
gattttctca	ctctctgtta	tctgcgtctc	tggcattgca	gcacccgcac	accacccgct	180
tctgccagtt	tcttatcatc	aatctctctc	cgatcttata	accccatcat	cgtacatctt	240
ccctcccaat	ccatccacta	tcaggccttt	cattcccacc	cattctcctc	ttcctcagtc	300
acttttttgc	actttttcga	atctcataaa	attatggcga	caaccttgac	tgaccagaag	360
cgccctcaat	tacagcctgt	ctgccagaat	tgtggtacct	cgaccacgcc	gctctggcga	420
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agacctcgtc	cgataagcct	caagacagat	gtgatcaaga	gtcgcaatag	agtcaagacc	540
gccggtcaag	gccctaagcg	taagggtgag	cttggatga			579

<210> 6036

<211> 759

<212> DNA

<213> A.fumigatus

<400> 6036

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gcatcgcgaa	aggcgctcgcc	cggccattcg	gatcggtcta	attcaccagt	gtcccggact	180

gatactccccg	gagttttctgc	cttgcaacaa	caacaacaac	atcaacatca	acacacctcg	240
aacattggcg	cccagcacat	gttcgacagt	gtcaccctcg	ccgaccatac	tttgaatcaa	300
cccaatggcc	tcccctccct	tcagctgcat	caaccgtctc	cgacatcgac	ctcttctgca	360
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cgtgtgagtg	accttgagcg	gcagttagcc	gaccaagcca	actcgaataa	ttcggcgaac	660
aacgacagcc	ccggcgaaac	cctgtccaaa	aagataaggt	tgtccgacat	ggtagaacag	720
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<210> 6037

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6037

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cgcgtcgctc	tgttcgagct	ccgcaacgcg	gccccgaaaa	agcccgttga	tgagttccag	180
ttcgctcacg	cgcgtcttca	atga				204

<210> 6038

<211> 399

<212> DNA

<213> A.fumigatus

<400> 6038

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cagatttgta	cgccagcttg	tacttggaac	ccgtcagatg	cgtctcgtac	gtgttcgcat	180
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cgcgcgtccc	ctccggcgcc	ttgcgggctc	gccgcttggt	ggctcctgtg	tcgatccgcc	300
acagatccgg	ctcttctttg	gtttctttcc	aggctccctgc	gtcgtagggtc	caggtgtggg	360
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<210> 6039

<211> 522

<212> DNA

<213> A.fumigatus

<400> 6039

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cctctcttac	tatatgcgtc	tgctaaccga	caccagatgt	ggtggcatgc	agataattcc	180
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<210> 6040

<211> 420

<212> DNA

<213> A.fumigatus

<400> 6040
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 ttggactcct caccgactac aaggatggcc gctcctatgc gctctactcg aacggcgaca 240
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 aggtcgtcta ccgattccca aagtttgacc tggaggcgcc gaccattatc cagacggaga 360
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<210> 6041
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 6041
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 ttttttgcac ttaatgcgta a 201

<210> 6042
 <211> 765
 <212> DNA
 <213> A.fumigatus

<400> 6042
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 cttcgaaggg agccagtgcg gcatgctttc cagggtgact ttgaagcact ggagagggag 720
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<210> 6043
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 <212> DNA
 <213> A.fumigatus

<400> 6043
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<210> 6044

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6044

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cttaccatca	gctag					195

<210> 6045

<211> 777

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (106)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6045

gaaaggctta	ctgacgcttc	tagcaagaga	agacgttcta	ttcagtccaa	accacttaca	60
aactcagcgg	cgcccgcgga	ggacgttgag	caggatgatc	gtgcgnatga	gccttcagga	120
ccgacctacc	gtaatagaga	tccttcgac	gcctttctcg	aacctttcta	ctataacaaa	180
tcacttacgg	acccaatcaa	taccgccaag	gataaatgga	acttggtgcc	ggctttcctg	240
aaagtgaagg	gattgggtgaa	gcagcacatt	gactcataca	actactttat	cgagggtgcaa	300
ctgaagaaga	tcgtcgagtc	cagctctact	atccgtagcg	atatcgatca	taccttttat	360
atcaaattta	cagatatcta	cgtcggctcg	ccgtgtcgtg	cggatgagcc	ccaggatgta	420
acccccgatg	ctaccccgctc	ggacgtttcg	ccgcacgagt	gccgcctccg	tgatacaacc	480
tatgcggccc	ccattctggt	aaattttgag	tacattcgtg	gacgtcaaag	ggtaactcgg	540
aaaggcgtgt	cgattggcag	aatgccaatc	atgcttcgaa	gctcaaagtg	tgtgttggtc	600
aataagactc	cctcagagat	gacgggtgtg	aacgaatgtc	ctctggaccc	tgggggatac	660
tttattgtca	acggtacaga	gaaggctatc	cttgccagg	agcagttgag	caagaacaga	720
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<210> 6046

<211> 339
 <212> DNA
 <213> A.fumigatus

<400> 6046
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 ctccggtagct cttaccagaa gagccccgaa tacgtgatgg atgtgtacaa actgtgctcg 180
 ctagtatcgg agcatgacgc gaagaaggct ggcgctgaag tcgtcaagca atccaacaac 240
 agccccctca gtggccttct ctaccccatc cttcagggtgc tggatgagca gcacctggac 300
 tgcgatgttc agtttggagg tgcgcttctc cggctatga 339

<210> 6047
 <211> 381
 <212> DNA
 <213> A.fumigatus

<400> 6047
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 gaacgatatt gtatgtacag gagcaatctg cagcgcgaagg ggttatctgg cccgggtactg 120
 acttctctac agttgacacc gcaattgctc aagcccgtg tggcagaggc tctcgttgag 180
 cttatggccc ctatcatcac cgcttttgag gcctccaaag aatggcagga gatcacattg 240
 aaagcatacc ctctccgga aaagaagaag aaggagaaga agcaaaagga taaaggaaac 300
 cgctaccctg gggctaagac tgctgagaca gccgagctcc cgctccggga aattggagtc 360
 caagaaccta cagcagatta a 381

<210> 6048
 <211> 303
 <212> DNA
 <213> A.fumigatus

<400> 6048
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 cgcaaggccc aggtctgtcc caaggaagtc gaaaacaacg gtgttctgtc ctttgacagaa 120
 ttctgtctgc ttctgtcttc cgccctgaag actggccgcc cagaattccg cgtcagccgt 180
 gagcgagacg gcctggagcc tctcgtctac cactgatca agcagatgca agaagattac 240
 aagaacgata ttgtatgtac aggagcaatc tgcagcgcga ggggttatct ggcccgggtac 300
 tga 303

<210> 6049
 <211> 717
 <212> DNA
 <213> A.fumigatus

<400> 6049
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 agtaactggg gcagccggga gggcaaaggc gggcagggtg ttggtgtgaa tgcgggcggc 120
 ggtgatttcc ccggtgcat gccccgtccc gacgaggac agagtctgct ccaggatgtg 180
 caggggggca atcgggtggc tgcgctgacg ttctgtggt cggcgtgga gcgccaagtt 240
 cgtatcgagg ggctgggtga gccgctcagc gcgaggaga gcgagttgta ttggaatacg 300
 agagaacgcg gcagtcagat cggggcgtgg gcgagctggc agagtaaggt gctgtggtcg 360
 gcggagccc agacactggg tgaccggcga cggagctggc ttgcggccgc agcgacggtt 420
 cagggtcga caccacgtc tggatgtcct gagattccgg ccgacattga cgagacggac 480
 attgatgatg ggagggtctt gcttgagaag cgggtgcagg agatggaggc gcggttcgcg 540
 ggagtagaga agatccctct tccgcggttc tgggggtggtg tgcgactggt acccgagtcg 600
 gtggagtttt ggcaaggccg acgcagtcgg ttgcatgac gcttccgata tgtgagagtg 660

aaggaatcag atgatgactc gtcgttccaa tggcagattc aacgactttc gccatag

717

<210> 6050

<211> 261

<212> DNA

<213> A.fumigatus

<400> 6050

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ggcttcaaca cgtttggaaa tgccaaagtc ggaaatcttg ataccgccct tgttatccac	120
cagaatgttg gcacccttga tatcacgggtg gatgatgtct cggctatgga ggtaggaaa	180
accttccaat atttgacgta caaaattctt gatcagcggc tcttggaagg tgttgtactg	240
tttgagcatc gtagcaattg a	261

<210> 6051

<211> 864

<212> DNA

<213> A.fumigatus

<400> 6051

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ttcttccttg ctattcagcc aatcactgga gagctcatgg ctttcaaaca agtggaaata	120
ctttcgggga cgaagggtac tgagtttgac aagcgcaaga acagcatggt gacagcactt	180
aaacatgaga ttgagctggt gcaagggtt caccatccga atatcgtcca gtatttgggc	240
acctctgagg acgatcagta cctgaatatt ttcttgagg acgtccccgg cggttcaatt	300
gctacgatgc tcaaacagta caacaccttc caagagccgc tgatcaagaa ttttgtacgt	360
caaataattg aaggctcttc ctacctccat agccgagaca tcatccaccg tgatatcaag	420
ggtgccaaaca ttctggtgga taacaagggt ggtatcaaga tttccgactt tggcatttcc	480
aaacgtgttg aagcctccac tgttctcggt gcccgagcca gcggcaacgg aggtggccat	540
cttcacgac cttctctaca gggaagcgtg tactggatgg cgccggaagt cgtgcgacag	600
acagcccaca cgaagaaggc ggacatctgg agtttgggt gccttggtgt tgagatgttt	660
attggggccc atcctttccc tgactgcagt cagttgcaag ctattttcgc cattggtagc	720
aacagtgcaa gacctccggc tcccagcac gcgagcaaag aagccatggc cttcttgac	780
atgaccttc aagtcgatta tgagaaaaga cctccgcgg atgagctact gcagagccca	840
ttttgtctg caccgtggc gtga	864

<210> 6052

<211> 264

<212> DNA

<213> A.fumigatus

<400> 6052

tatggctcgt tccagcgacc acctttcttc gacctccacc ccatcactct ccgcaggccc	60
agtttcccct ggttcttcat tattattggt gcttcacttc tctcgttcaa caacccttc	120
cttttactta tactcaataa ttttcccttc atagtacttt attttcctag aatagttatt	180
tgtctacctt ttttcacacc gcccttgagc ttgcttggga ttatctaccg tgggtctcgg	240
catcctctgc tcgtggttga ctga	264

<210> 6053

<211> 225

<212> DNA

<213> A.fumigatus

<400> 6053

tcgatcatcg gtgactctgc atccttgggt cttattggca gttatttgag ctttaatttc	60
cggatgttcc acctccaatt taagttcggg ttgctcattt ttgtgtgggt tatttttgcg	120

gtgatgaata ctaagtatgt acggagtacg gagtactgtg tacagagaaa gctccctcag 180
ccaccgcttt accaacctct gttgttatta tcaaatgcac catga 225

<210> 6054
<211> 1464
<212> DNA
<213> A.fumigatus

<400> 6054
cgcggtagtg gtacctcccg ggagtatcgc gatgggcgat actacgaaga gagaaagcca 60
gccgatgcgg ctttctttga agatgattat aggtacaccg aggagccgcg cccaatgtcc 120
cggaagtacg acgagttcga acggcgacga ccccgacga agccgaccga ggagaagaag 180
aagtccaagg cggttccccct cgatcatctt cgcacgggga aagatacggc tcgtgagagt 240
gttaaatacga cccacaccag tcggggccaaa taccgtacca aggaacggcg gcgggaagct 300
tacgagaagc ttgaacgggc gggaccgtac tacgattccg aagacgacta ctccgacgct 360
tcgacttcca gcgcgtcatc tatctatgtg aaagttaaag tcaagcgccc atcggagtcg 420
agaaggagtc gcgactcgac ctcgagaaaag accaaatcga ctgattcaag ccgtcgctct 480
gagcgtgcac ggtacgatga cgacgatgac tattcagatg aatgggactc caagcacgag 540
aaattacaca caaccgcaca ggattatatt cttcgctcca aagctgctcc tgtcgagagc 600
gatcggagac gtcggtcgtc tcgctcaccg gtccgccacc atgggttacga gtgtgcggaa 660
cccagccat caacgtctcg gcgtcccgct cgctccagcc gttcgagccg gaaagatgtc 720
cgccctgcag catcccgcaa cggatccctac gaacatctgg agtctcagtc ccgcagctac 780
gagactaaga gacccagtat gccaacggct gccattctc cgagtatcaa ggtatcctct 840
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ccggtacgga gtagcaccac ctatgcctat ccttctgaac cgtcgtctcg tcacgaaagc 1260
acccgtccaa gtgcgtctag acagtctca tcaagactct tcggcgaagt cgaatatagc 1320
gcgcaattta aggagaagga catcaagtat gtccgcgaga tcaggcccga gcacattgtc 1380
tacaccgag atgcctatcc tcgccagcac tacgacgaat atcgtcagcc accggcgcca 1440
cggcgccagt ccacctatgc ttaa 1464

<210> 6055
<211> 267
<212> DNA
<213> A.fumigatus

<400> 6055
agttcttcgc gagtttccca tatccggccc ctcggttaagg cgtggagaca ggccacaatg 60
aaggteccgc ctttctctca cttgagattt gatcttactc tacccaaagc gaccgaagga 120
cgcaatcact cttttcagaa agtgtactgg gacattggca acccccgaagg cgacacactc 180
agcgttgagg caggggttgt tatgaatcta gtcgtcacca ttgccaccgt cttcaccagg 240
gggctgcaag gagccgctct attacta 267

<210> 6056
<211> 207
<212> DNA
<213> A.fumigatus

<400> 6056
ttaatcagcg ggccccgaac tagttctagcc cttttacagt ccatcccata tgccttggtc 60
gctggacagc gtcagcatcc tcacagctc acaggattag ggacaactac ctacattgt 120
caagaattaa aactacaag aagaatcaaa ggagtagtca tgaccactga agtgatcgtc 180

aatcgcacac tatccttcgg ggtgtaa

207

<210> 6057

<211> 264

<212> DNA

<213> A.fumigatus

<400> 6057

accgcgattt	tggaactcgt	tgccctggctc	ggaaccttca	tcaacggata	tttggccgat	60
gctaccggtc	gtcgcgtcac	ggttgtcatt	gcggtgggtg	tgttttgcgt	cggcgtcatt	120
gtccaggcat	gtaccaagaa	cccgaatac	atctacgctg	ggcggttcgt	tacaggctctg	180
ggcgtgggta	acctcagtat	gattgtgcct	ctgtacaatg	cagaactggg	atgttccaag	240
gaccgatatg	aagatcatgc	ctga				264

<210> 6058

<211> 318

<212> DNA

<213> A.fumigatus

<400> 6058

attggttacg	ggacaaacta	cattggagga	actggcgaag	ggcaatccat	tgctgcctgg	60
gagatccccg	tgtgcatcca	gatocttcca	gccctagttc	tgcccgcggg	aatgtcctc	120
ttcatgccgc	agtccccgcg	acacttgatg	aaccaaggac	gggaagagga	atgcttacag	180
actctggcca	ggcttcgcga	tacctcgtt	gatgacattt	cggtccgcat	cgagtttctc	240
gaaatcaagg	ctctacgcat	gttcgaggat	gaagtcgctc	ggaagatctt	caccaggggg	300
ctggaaggat	caacgatc					318

<210> 6059

<211> 333

<212> DNA

<213> A.fumigatus

<400> 6059

atcaccagta	aattatggaa	cacacaccac	gaacccgaac	acgtcgaagg	ggcgctcgat	60
caaacactcc	gcgatctcca	agtcgactat	atcaatctct	acctgatcca	ttggccgggt	120
tcgtttcggg	actcgacaac	aacgaatcag	cctgtggatg	ctgaaaccgg	gctggctgat	180
gtcatcgacg	ttccgctcaa	ggatacctgg	gctgcgatgg	agaagctcgt	ggacaagggg	240
aaggtagcgt	ccattggagt	gagcaatttc	actcggcagc	ggattgagga	gttgatgact	300
acgtatgttt	tccgtaactt	tgctgcgaga	tga			333

<210> 6060

<211> 246

<212> DNA

<213> A.fumigatus

<400> 6060

ttgcagggtg	gtagggctcg	tattccaccc	gctgtcaacc	agatcgaagc	gcacccctat	60
ctccagcaga	gggatttgct	cgagtgggtc	aagcaacagg	tgtgtctgtg	cctgcatgcc	120
gcaaagcatg	gagtgtacat	tgctgacgga	gtagggaatc	gtcatcaccg	cttactcgcc	180
tctcgggaac	aatatctaca	acatccctcg	gtgagtattc	gacaaccaca	caatgctccc	240
agctaa						246

<210> 6061

<211> 192

<212> DNA

<213> A.fumigatus

<400> 6061

cgacccaggg	ctgtcgatga	tccaaccgtc	attcaggtgg	ccaaagagct	aggcaaaacg	60
cccgcgcagg	tgctgatcag	ctggggcatt	cagcgcggga	catcggtcgt	gccaagtca	120
gtgaccgcgg	agagaatcaa	aagtaatctc	gagggtaagt	gtggaccgga	ttcaatgaag	180
gtacaccact	aa					192

<210> 6062

<211> 345

<212> DNA

<213> A.fumigatus

<400> 6062

aacaagggaa	gagtatcaca	gccatgtggc	gtggaacaat	gccagtcaag	ccccacgaag	60
gtaaaaaagc	ccgtcggcac	agctttgaaa	gctgaatacg	gtcacattga	cgctgcagcc	120
gtctacggca	atgagaagga	agtcggagag	ggaatcaaat	tatccggggg	tccccgagaa	180
gagatctttg	tatggggacc	gtctcaattc	ctcctgactg	cgctgactgc	aattgctaga	240
tcaccagtaa	attatggaac	acacaccacg	aaccogaaca	cgtcgagggg	gcgctcgatc	300
aaacactccg	cgatctccaa	gtcgactata	tcaatctcta	cctga		345

<210> 6063

<211> 1020

<212> DNA

<213> A.fumigatus

<400> 6063

agaaaagagt	ttgtcaaaaa	ttctccggcg	ttccaggtac	acaagggcgt	cttcgatgta	60
tgcaaaaaca	tcgctgaaat	caccatttac	actgcttcgc	gctcgcttca	aggaaaagaa	120
gttcgaagca	aatttgattc	cacattcgca	gagttgtacc	ataaccttga	catgggtttc	180
gctcctatca	acttcatgtt	accctggggc	cccttaccac	acaaccgcaa	aagggatgct	240
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agtaagaagg	attctgaaga	catggtctgg	aacctcatgt	cctgcgttta	caagaacggc	360
acgccggttc	ccgatgagga	aatcgctcat	atgatgattg	ccttggtgat	ggcgggtcaa	420
cattcttctc	cttctactgc	ttcctggatt	gttctgcgcc	ttgcgacacg	gcctgatata	480
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catgcaccga	ttcactcgat	cattcgagca	gtgaagaatc	ccatggctgt	ggatgggtact	660
tcatatgtga	tcccagacac	tcataatgtt	ctctcttctc	caggcgctac	tgccaggtct	720
gaggagcact	tcccaaatcc	actcgaatgg	aacctcacc	gttgggatga	gaacattgca	780
gctagcgctg	aggacgacga	gaaagttgat	tatggctacg	ggttagttag	caagggcacc	840
aatagcccgt	acctcccgtt	tggcgctgga	cggcataggt	gcattggcga	gcaatttgca	900
tatcttcagc	ttggcacaat	cactgctgta	cttgtgcggt	tattcagatt	ccgtaatttg	960
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<210> 6064

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6064

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cccagcgtg	tccgtgccca	ggctcagctg	cagcttagtc	aaatgcacgc	ctacaccagg	120
ccgacgcaga	tcaagaacag	atgtgtagca	ggaggaatcg	ccaggagtgt	gatacgcgat	180
ttcagaattg	ccagagtaag	tgatttcatt	gcctgttga			219

<210> 6065

<211> 483
 <212> DNA
 <213> A.fumigatus

<400> 6065
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 gtcattgacg agattctaag ggcttacgac agcctatcca cctttccaga cgttccgtcc 180
 gctttggggc agctggccca tcgtcctgag atcactgctg tcgtcttttc gaatgggacg 240
 caagacacgg ttaccaactc tgtacaccac tcccccgact tgcgcctca tagggctgtg 300
 ttcaaggaaa tcatcacagt tgatgaggtg aggcagttca agcctgctcc agcagtgtat 360
 gcccatcttg ccagacgat agggaaattg ccctcctcac agatggcgga cctatggctg 420
 gtcagtggaa acccattcga cgtgatcgcg ctaggagttg tggatgcac gccatctggg 480
 tag 483

<210> 6066
 <211> 480
 <212> DNA
 <213> A.fumigatus

<400> 6066
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 gttcagattt tttcctacat taacttacac gacacaattg ccctatcaac aagctgcaaa 120
 tacctcctca gtatcctctc tttcgcagcc ttccttgag actttttgtt caagaaactc 180
 cctgacctgg cacctataaa gctgatcctg tttctcttgg gactcttgtg gccaagggaa 240
 atgaatggac gtccgaaaaa aggtctgcgt tactgcaatg cctgtcgtcg tatctatcca 300
 gaaaagagac agtactggga ggagaaattg tcgatgaaga tcagcagggga tttcttgaaac 360
 cgcgattgcc ctaagtgcta tctcgccac aaacgaacct atatgtgcct ttgccatgcc 420
 gcatttatta agcgttggga gcagatttgt gccgagcata tcggctgggt cggcaactag 480

<210> 6067
 <211> 1569
 <212> DNA
 <213> A.fumigatus

<400> 6067
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 ccattagtca acgctcctcc ctacaattg gtgattctgc ttggcaagga ttcggatggg 120
 actttcgatg cggtaccgga aaggcagcag cgagaaggga atgggtctga aactgcaatc 180
 cgaaaattta gaacggcggc ttacttatgg caagcgttca ccgctgagca gatgttccgt 240
 aacaattttg ggaggcgggtg tttccgcttc gaggaggagt ggcagacagg caccctaagc 300
 cgtcgtgatg cgaccgatgg cttgatgcgg aatgaggcca aggttcatgt tatccgtacc 360
 gataagacag tagcagaact cctgcgctt gatatcgctc agcagcatgg tcctgccact 420
 aggaaagatg aactgttcaa tattgcgaag gaagccgtga agaactattt ccgaccaaag 480
 gaggggcaaa agcagtatgt ttcagttttg cttctggact ctactggga caagacatct 540
 aaaacaatca ccggccacgc tgcgctggga tcgagtggg acaacatcaa gatggcgata 600
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 tccgactgta ctgcaccaa caccgacttt gtagcaaacg actgcggaga ggccggctcg 720
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 ccgcaggacg aatgtggctg gcaccgactc gatgattgc gcttcagggt ccatccatgt 960
 ttccgcctgc cttcagacgc ccccgtagc tcggacgata gcgtgcagg gtggcctgtc 1020
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gagaaagaga	acaagaaaaa	tgtcaaattg	gccgtcttct	ctggtgcgct	tggaagctat	1260
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cagctgctgc	tggattgtgc	attcgtgtca	accaaacttt	tgacctcgat	caagatctat	1440
catggactgg	ccctcgacgg	actcgaattc	tgttacgaag	actctactag	ccagctcttc	1500
gggaagcgag	ggggaaagcc	cggtggtgat	gagtttgtac	ttggtaggca	caaccattcc	1560
ccagtgtga						1569

<210> 6068

<211> 360

<212> DNA

<213> *A.fumigatus*

<400> 6068

cctcgatcaa	gatctatcat	ggactggccc	tcgacggact	cgaattctgt	tacgaagact	60
ctactagcca	gctcttcggg	aagcgaaggg	gaaagcccgg	tggtgatgag	tttgtacttg	120
gtaggcacia	ccattcccca	gtgtgataac	caatctctga	ccctctcatc	agacactagg	180
cggggtgaga	tactgctcgg	tttttacgtt	agggctgggtg	cctggatcga	tggaatcgag	240
attttgacaa	gcttaggccg	gagatctgga	attttcggca	acgctcgggg	aggctccggg	300
tacctgttgc	accttttccc	atcctccaat	tttcgtaaga	cgcgcgcatc	ctgggtctaa	360

<210> 6069

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 6069

aacatactgc	ttttgcccct	cctttggctg	gaaatagttc	ttcacggctt	ccttcgcaat	60
attgaacagt	tcatctttcc	tagtggcagg	accatgctgc	tgagcgatat	caagcgcacg	120
gagttctgct	actgtcttat	cggtagcgat	aacatgaacc	ttggcctcat	tccgcatcaa	180
gccatcggtc	gcatacgcac	ggcttag				207

<210> 6070

<211> 1509

<212> DNA

<213> *A.fumigatus*

<400> 6070

gctgcgtggc	ggttcatcat	gaacggacca	tttattccaa	ccaagaaccc	ttctcagccc	60
aagggtctctg	ggccttctct	cctggcttgt	cttctttgcc	gccataagca	tcttaaattgt	120
gacggggtga	cccctgtttg	tggccgctgc	gcagccacag	gggcagagtg	ccagtacact	180
ccttctcgte	gtgggtataa	aggaccctcc	aagaaacggc	gcgccaaccc	gtcgtctccc	240
gaacggacac	cctctgatca	atcgtcttcg	ttcgactttc	agtcggtcgc	actactggat	300
actccccagg	attggagcgt	tccggacgga	ctttcttaca	ttttcccaaa	cggctttgcc	360
tcttcaggct	cgaatggttc	cattctcaac	aacgacaagg	cactagtgtc	ggactctgcg	420
cgggtcagca	acggttgccc	tctcactcct	gattcgggtga	attctgtcgc	tggtgatggg	480
tatctcatcg	atatttacta	tacgtacttt	cacccttcgc	atccgattct	tcctccgctt	540
cgtatactct	atcgggtctca	tgtgccgcca	tttctcgagc	atgttatcaa	gttcatcggt	600
tcccacttta	ccccgcgcgc	aaatagttag	gtatataggc	cctccgtgat	gtcatcagcg	660
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cattcgcgaa	acgagcgggc	agaagccggg	caatgcctcg	ctaccgccgt	cgatctggct	780
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cgggaagaaa	gtctgcgacg	cacttggtgg	gagctgttca	tagtagaagg	catgttgact	900
gccctgggtg	tccagcgtac	cttccgtacc	agcctagtag	cactcgaggt	cggcctaccg	960
tgtgaggaac	gcatactcca	ggatggattg	gctgctccac	cgctctctac	cattgctcaa	1020
tttgacgacc	acattttttgc	cgacgaggag	cgagattttt	cctcctacac	ttatcggatc	1080

gaagctgtcc	gaatcctcgg	gcgggtggtt	gctatccagg	aaatgcttga	gggtcaagaa	1140
gaccatgtgg	aggcggtcga	cgcgcgatc	aacagttttt	tccaccatct	ccccgaatcg	1200
aaagccgagt	tattgcgtcc	agatgggtcg	gtggacgaga	tgatgttcca	ggcgaaaatg	1260
atcgcgaaacg	gagcgagtgt	ctatctcaac	ttcccacggt	ctgacctatt	atcgctcgct	1320
gcggttgctg	ctgagggtcat	ctgtggacat	catggtccct	gcagcatccc	ggccttcaca	1380
cacaatgato	atgccatgaa	agctctcaag	gcagccaagg	acatctccca	gttagcctcc	1440
atccgactac	cagttgtcaa	acatacaccc	gtcttcacca	cggggcgccg	aaggatccgc	1500
gatatgcgc						1509

<210> 6071

<211> 279

<212> DNA

<213> A.fumigatus

<400> 6071

gctggtacgg	aaggtacgct	ggacacccag	ggcagtcac	atgccttcta	ctatgaacag	60
ctcccaccaa	gtgcgtcgca	gactttcttc	ccgtatcgga	tcacctctgc	ccatggaaat	120
ggcgaaatcc	tgacgatgaa	gtccgagttc	gaaagccaga	tcgacggcgg	tagcgaggca	180
ttgccgggct	tctgcccgtc	cgttttcgca	atgcagcaca	acagccagca	gcagcagcgc	240
ctgcagcttc	tccacggagc	tttcttgctc	catcgctga			279

<210> 6072

<211> 465

<212> DNA

<213> A.fumigatus

<400> 6072

cgctcgtgcac	cgtcagcggc	tttgaagtcc	ttccgcacct	tggtcagcct	gcaagatacg	60
ttctatcagg	cgttgatgac	gcacaataac	accttcgggc	tgatcctgga	cattgtctac	120
gaaactatgc	ctcgcgacaa	cctcctcaac	tccgcatgtc	ttgagctctt	cgagttcatc	180
aaacgagaga	atatcaaacc	tattgttctt	cacattgttg	aaaaataaccg	tgagaagatc	240
aaggatatca	cttatgttga	cacctttcag	aatttgatcc	tgcgctacga	gcagatgcaa	300
ggctatggag	cagaggcaga	ctcaaccctt	ttttcacaag	aagaggaagc	tcgaaaatta	360
caggcgcaatg	gtcaacgctg	gcaagggggc	aaggagatgg	atgctgctga	agaggaatac	420
ttcaacacat	ccgacgacga	ggatgaggta	agatgcgccc	aatag		465

<210> 6073

<211> 222

<212> DNA

<213> A.fumigatus

<400> 6073

cagggatctt	gcttgaaatt	taataagtgt	ggggagctag	cacaagccca	cgctattgaa	60
acccaactaa	atttctctca	agaatggaca	ggacacgaac	gcacccaagg	tacggggttg	120
ggaatcttta	ttattcgcgt	ggaacagctc	ctcgacgcgt	tgatcatggac	ctctacggga	180
gtagtccaca	tcattaccct	gatttcgctc	gccaatgttt	ga		222

<210> 6074

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6074

cccacaagat	gctatcggat	cttcagatct	ttgtcaaagt	tgagagccac	aatatccgta	60
aattcgcacc	cactagtgc	tgagcaagtg	ggctgtcatc	accccatgag	tgactcccag	120
tctagtccct	acacatgtca	gaagaaagtc	aaactgtcta	agtgcagtc	gaccactat	180

ggcattgcct cctatgcaac gactgcggag attgtctaa

219

<210> 6075

<211> 363

<212> DNA

<213> A.fumigatus

<400> 6075

agcttgacta	tctgttctat	tattttcatt	agagactctt	acgcgcgcat	atcaggacta	60
tttaccctga	cactgggaca	aaaggtcaag	ggctccttca	aatccagctc	tctggttgcc	120
ctgaagagaa	gtagggatca	acagacaggg	catggacgga	tattatccgc	aattagcggc	180
aatgatataca	ccggcaccgg	aatctcttca	tggcaagctg	ctaccaaata	cattgcgact	240
ggatgtagga	gtagaagaca	gaagtacaca	tttctaagag	tgatttattt	cccgatattc	300
cgaaaacgca	gtttcttaag	aagcgatgtc	tttatcagtg	agatctctca	aaccgagcag	360
taa						363

<210> 6076

<211> 243

<212> DNA

<213> A.fumigatus

<400> 6076

tcacactctt	ggatggatct	tcaatcatct	gctaatacct	gttttgagca	gatattctac	60
accgcgcaaa	cggctcttgc	gtacacgcgc	ggtcgtgttg	cacatggcct	ggcgaataat	120
agcttgaccg	acgcccacg	ggctgcaactg	tcccctgatg	atccagagta	ccgagccgcg	180
tatgtagatc	tacttgtgca	gggcaccgag	gtcgatgagc	gagctcacac	gtctacaggg	240
tga						243

<210> 6077

<211> 267

<212> DNA

<213> A.fumigatus

<400> 6077

caatcgcact	cgccagacgc	ctgccaggcc	gccgtctccg	acccgatcat	ctgggcctcc	60
tttgctcca	acgtgtccac	cgatatctat	ctcatcttaa	tcccatccc	catgctctgg	120
aaatcccgc	tcaaaactcat	caaaaagatt	gccgcgaccg	tcgtctttgg	cgctggactg	180
ttcgtcctcg	tgtgcgcgat	cctgaagagc	gtgtttgtct	tggtggtgag	tcgtgatgtc	240
acatttgcca	cttcggccgg	gagctaa				267

<210> 6078

<211> 810

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (360)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6078

cgggtaccgt	ggtttaggg	agctgccgta	gaagcatgcc	gctggggccac	tcgttgatt	60
cctcgagcac	cttatgtgac	gtctctctca	tgggtgtcgc	actatggttg	caagtatgtc	120
gttcattggag	atgatattac	atctgacagc	aacggggaag	attgctatcg	atttgtcaag	180
gcagctgggc	gctttcgggt	tgtgaagaga	accctggca	ttccaccac	cgatcttgtc	240
ggccgtatgc	tcctatgcac	caaagggcac	tttataaaga	gcgtcaaaga	cacccttgcg	300

ggagtagagg	gatctgacaa	tcaggaagaa	aggaaacaat	tcggtgtgga	gctaatagcan	360
aggattcggg	actatgcaac	agatgagagt	ggtttgccgc	ctggtcctca	ggtttggact	420
tggaccggct	cgaggccggc	gaaggttagc	gacacagttg	aggaagctgg	tacatttgaa	480
actctggtga	atggcaaagc	aatcaagcca	gggcagcggg	tagtctacgt	ggatggaggc	540
ttcgatttgt	tctcctcggg	tcacatcgag	tttcttcgac	aggttctaga	gcttgaggag	600
ttggaaggcc	gccaacgagg	atggtatgac	tcggaacaag	tcgaaaagag	acttcacgaa	660
tttgggtgaag	actattcccc	ggcttatgtg	gttgccggca	ttcatgacga	tgatgtgatt	720
aatcactgga	agggattcaa	ctaccctatc	atgaacattt	ttgagcgggg	gctttgtgtc	780
cttcaatgcc	gagtatgtcc	cttttcttaa				810

<210> 6079

<211> 186

<212> DNA

<213> A.fumigatus

<400> 6079

attccttgtc	aaggtataac	tgggggtattg	ttggccaatc	ggagtactcc	tttataccta	60
tggaaggctg	agagatttag	ccagactgag	actcccacgc	aaatatacac	gaccggtttt	120
tttcctctta	aaaaaaaggg	ttactatacg	taccctgacg	cagctcggga	tcctccaaca	180
cgttga						186

<210> 6080

<211> 345

<212> DNA

<213> A.fumigatus

<400> 6080

cgattctccc	agtatatcca	tgcagttatt	ttctctgctc	ccttctctcc	tagccagccc	60
tatttggaag	ctatgccatt	tgggtgtccg	gatgttggtt	atcatggacc	aacaaccttc	120
attccgctga	catacgatcc	ttacactgct	cccaaacgaa	tgggcatatt	taggcagata	180
aacgatcatc	cttttcagca	tgtgaatgct	ggtgagattg	ttgataggat	actcagaagc	240
cgcgaggctt	atgaagagcg	acaacgcgct	aagctacaga	aggccatcat	tgaagaacag	300
gtcaaatacag	aagaaaagag	tctggctggg	gaacttggtg	catag		345

<210> 6081

<211> 258

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (17), (25)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6081

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gcaattgaca	aggctattgc	gtctgcacct	gtcgtcctct	tcatgaaggg	tactccggag	120
acaccacaat	gtggattttc	tcgagccagc	atacagattc	tggggttgca	gggagttgac	180
ccgaagaaat	ttgtcgcatt	caacgtgttg	gaggatcccg	agctgcgtca	gggtacgtat	240
agtaaccctt	tttttttag					258

<210> 6082

<211> 480

<212> DNA

<213> A.fumigatus

<400> 6082

cgggcacagt	gcggttcctt	ccagccccgt	ggtgaagacc	tggttgacct	gcgcgtcgtc	60
gaggaggatg	ccgtccctcg	tgtcttctgt	cggcgggtggg	gtgtcccgt	catcgacggc	120
gggacggtac	ggctgcaggc	gattgtgggg	ttgggacgag	ctttggatct	gattctcaact	180
gggcgggggg	tcggggcgcg	cgaggcgctg	gacatggggc	tggtgagtcg	ggtcggttgcg	240
aggggggaagg	cggtggagga	ggcgatgggtg	ttggcgaggg	acttgatgcg	gtttccggag	300
aggtgtatga	atgttgaccg	ggggagctgc	tattatagtg	cgtatgccgc	gggatcgatg	360
gaggatgcgc	tcgggaggga	gtttgagatg	gggtccaagg	tggtggcgac	ggagagtgtg	420
cggggggcga	cgaggtttag	ggatggggag	gggcgacatg	ggcgctttga	gaagttgtag	480

<210> 6083

<211> 222

<212> DNA

<213> A.fumigatus

<400> 6083

atatcgctgc	agatatccgc	taattcgagc	gacaccgacg	ccatctggaa	ccagcaacga	60
ttgatgttgg	atttgagtca	tcgtccact	gccggcccca	acgctaacac	cgcctctatg	120
gcgggagctt	ctttggtgga	gatcttcaaa	cactacgcta	gtattattat	gactatgata	180
gatgagagtg	agacatcatg	gacactaatt	gtttcatgct	ga		222

<210> 6084

<211> 486

<212> DNA

<213> A.fumigatus

<400> 6084

gaactcctac	aactttctcaa	agcgcccatg	tcgcccctcc	ccatccctaa	acctcgtcgc	60
cccccgca	ctctccgtcg	ccaacacctt	ggaccccatc	tcaaactccc	tccgcagcgc	120
atcctccatc	gatccgcg	catacgcaact	ataatagcag	ctccccgggt	caacattcat	180
acacctctcc	ggaaaccgca	tcaagtccct	cgccaacacc	atcgctctct	ccaccgcctt	240
ccccctcgca	acgaccgcg	tcaccagccc	catgtccagc	gcctcgcgcg	ccccgacccc	300
ccgcccagtg	agaatcagat	caaagctcg	tcccaacccc	acaatcgct	gcagccgtac	360
cgtcccgcg	tcgatgagcg	ggacacccca	ccgcccagag	aagacacga	ggacggcatc	420
ctcctcgacg	acgcgcaggt	cagccaggtc	ttcaccacgg	ggctggaagg	aaccgcactg	480
tgcccg						486

<210> 6085

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6085

acgagtcctg	tgtactgcag	gatgggaatc	gatgcaacaa	cagtactaga	agataagaac	60
tcctacaact	tctcaaagcg	cccatgtcgc	ccctcccat	ccctaaacct	cgtcgcccc	120
cgcacactct	ccgtcgccaa	caccttggac	cccatctcaa	actccctccg	cagcgcaccc	180
tccatcgatc	ccgcggcata	cgcactataa				210

<210> 6086

<211> 813

<212> DNA

<213> A.fumigatus

<400> 6086

tcctccacaa	tggtcccaa	gctcaacatc	acccacatcg	gcacggcgac	ggctgttctt	60
gaaatcgatg	gcgtcaacat	gctcactgat	cccttctctt	ctccgcggcg	ctcctcttgg	120

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cccgtcacag agacgataac gctgcaagtg agcgcagatc ctgctctccg cctcgatcaa 180
ctccccgtca tgcagcccggt tttactcagc cacgaagacc acgttgacaa cctcgatgag 240
ctgggtcgcc gtctgctcga cggccgcgcg gtcttcacca cctgggacgg agccaagaac 300
ctgtctccgc gccctggcgt ccacggactc aagccttggg agaagatcga caccgtcatt 360
gccggaaaga agttccagat catcgccaca ccgaccacgc acattgctgg agatgagtgc 420
actggcttca tcattaccaa cgaggaattc ggacgcggcc gggatggtct tcccaacgcg 480
atctggttca cgggggacac cgtgtacatt gatgagctga agaaggtcgg ggagcagtac 540
catgtcctcg ctgccatcat gaacttgggc aacgcctacg gacccgtcga caagacagac 600
cccagcaagg gcgcctgcc aatcaccatg gacggcaagt ctggcgcgcg gttgctccgc 660
gacgtcaagg cggatgttct tgtccccatg cattacgagt cctggggcca cttcacgcag 720
ttcggaaagg agctccgcag ggacttttag gaggagggtg tccttgataa ggtgtgctgg 780
ctgacacctg ggaagcctgt ttctgttcta taa 813

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<210> 6087

<211> 297

<212> DNA

<213> A.fumigatus

<400> 6087

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ttccagaatt tttgtctatt gctggaaaaa aaagctgtaa tcaacatccc tgtacctaca 60
gtgggttttc ttttctttct ttttcatttt gagacggagt ttcactcttg tcacccaggc 120
tggagtgcag tgggtgcaatc tcagctcact gcaacctccg cctcccaggc tcaagtgatt 180
ctcctgcctc agactctccc gagtagctgg gattacaggc acccgccacc atgcccggt 240
aatttttgta tttttagtag agatgggggt tcaccatctt ggccaggctg gtcttga 297

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<210> 6088

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6088

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ttctcctgcc tcagactctc ccgagtagct gggattacag gcacccgcca ccatgcccgg 60
ctaatttttg tatttttagt agagatgggg tttcaccatc ttggccaggc tggctctgaa 120
ctcctgacct cagggtgatc acccgcttcg gcctcccaaa gtgctgggat tacagttgtg 180
agccaccgcg ccggtgggtg tttcttatga 210

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<210> 6089

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6089

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attattatta ttgctatatt taagacaggg tctttctctg tcacccaggc tgggaatgcag 60
tggggcaatc tcagctcact gcaacctctg cctacctggg tcaagcgatt ctcctgcctc 120
agcctcccga tagctgggat tacaggcccc cgccaccaca cctgggtaat tttttttttt 180
ttttgtatatt ttagtagaga tgaggtttcg ccatgttag 219

```

<210> 6090

<211> 333

<212> DNA

<213> A.fumigatus

<400> 6090

```

catggcgaaa cctcatctct actaaaaata caaaaaaaaa aaaaaattag ccagggtgtgg 60
tggcgggggg ctgtaatccc agctatcggg aggctgaggc aggagaatcg cttgaaccag 120
gtaggcagag gttgcagtga gctgagattg cccactgca ttccagcctg ggtgacagag 180

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aaagaccctg	tcttaaaaaat	agcaataata	ataattcata	agaaaaacca	gccggcgagg	240
tggctcacia	ctgtaatccc	agcactttgg	gaggccgaag	cgggtggatc	acctgaggtc	300
aggagttaa	gaccagcctg	gccaaagtgg	tga			333

<210> 6091

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6091

aaccccatct	ctactaaaaa	tacaaaaatt	agccgggcat	ggtggcgagg	gcctgtaatc	60
ccagctactc	gggagagtct	gaggcaggag	aatcacttga	acctgggagg	cggaggttgc	120
agtgagctga	gattgcacca	ctgcactcca	gcctgggtga	caagagtga	actccgtctc	180
aaaatgaaaa	agaaagaaaa	gaaaacccac	tgtaggtaca	gggatgttga	ttacagcttt	240
tttttccagc	aataag					255

<210> 6092

<211> 1314

<212> DNA

<213> A.fumigatus

<400> 6092

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attgaagagg	cgggtggtggg	gcttcgtaca	ctgtacgccg	gcaagaagat	cattgtcggc	120
cgggatcgac	tggacagtgt	tgcgggtgtg	gccagaagc	tgcaggcatt	tgaacagttc	180
ctggagaggt	atccggagtg	gcgggagaag	gtggtactca	tccaagtga	cagccccacc	240
agcgtggagg	aggagaagga	ggaccgggag	aacaagatcg	ccagccagat	ctcaaatctg	300
gtgtctacca	tcaacggccg	cttcggctcg	atcagcttct	cgcccgtaaa	gtactacccc	360
cagtatctct	cccagcacga	gtactttgcg	ctgctgcgtg	tggccgatgt	gggtctgatc	420
acgaccgtcc	gggacggcat	gaacacgacg	agtctggaat	acatcctctg	ccagcacaac	480
actcatggtc	cgctcattct	ctccgagttc	tctggtaagg	cgggcacgct	gtccagcgct	540
attcacatca	acccatggga	cacgaccggc	gtcgtgaag	ccatcaatcg	agccctgacg	600
atgtctccgg	aggagaaaaa	agcgcagcac	gtcaagctct	acaagcatgt	caccacgaat	660
accatctcga	cctgggtcaaa	ccacttcgtc	acccgcttgc	tgaccaatct	ttcctccttt	720
gaccaatcgg	tggcaacgcc	ggcgctagac	cgagcgaagc	tgttgaagca	gtaccggaaa	780
gcgcgcaaga	ggttgttcat	gttcgattac	gatggtaccc	tcaccccat	tgtcaaagac	840
ccgcaggccg	ccatcccatc	ggaccgagtg	ctgcggactc	tgaagacgct	ggcagcggac	900
cctcgcaatg	cggtttggat	catcagtggt	cgcgaccaga	cggttcctgga	tgaatggatg	960
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gaggtgttcc	agcacttcac	cgagcgtacg	caagggtcgt	tcatcgagcg	caaacggggt	1140
gccctgactt	ggcactaccg	tcgagcggat	cccaggtacg	gtgccttcca	ggctcgggag	1200
tgccgcaaga	tgctggagga	tacagtagcc	aagcgggtgg	aagttgaggt	gatggccggg	1260
aaagccaatc	tcgaggtgcg	gccgaccttt	gtcaacaagg	gcttcattgc	accg	1314

<210> 6093

<211> 2364

<212> DNA

<213> A.fumigatus

<400> 6093

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gccttgggtc	tccaggagaa	ctctgcagct	gaagtcattga	cctcgctacg	agcatggcaa	120
ggtagaccaa	aagcctccga	gcgtctctac	gaattcaatg	tctattcagt	gaccgctgag	180
aatcgatgga	cggagcattg	tcgtggccta	gtgggcgggt	ctgacttgtc	cctggacacc	240
gagtacgaga	tcagttccca	gggtgccgaa	caagcctccg	acctcagtgt	catagacacc	300


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tcgacgtttct acgagaagct agctagcatt ggcctcgaat atggtccttg ctttgogaac 360
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gacggaaacg gtcaaagtga tacagagtat gctgagcgaa acggcgtgct ccttatccct 2280
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<210> 6094

<211> 306

<212> DNA

<213> A.fumigatus

<400> 6094

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gactttgcgt ccaacccatg gcgggggggg gtttcgaatc gagtaaccgg ggtggatctt 60
caaccgtact ttcgaatctt caatccactc tttcagagcg accggttcga tccagatgga 120
gagtatatac gaaaatgggt gcccgagctg cgagatatcc aaggcgcggc gatacatgag 180
cctaacgcac gaggaggggg ggctattgca gcgaagaatg ggtatccccg ccccatgctg 240
aatcactctc agagcaggga cctggcattg catcgatata aacgagctag tgagagtgga 300
cgatga 306

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<210> 6095

<211> 549

<212> DNA

<213> A.fumigatus

<400> 6095

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acctcccacc gcaagccttt tgtgcctcgg tatcacctcc gccagactcc cggcgcggaac 60

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atttttgacc	caccgctaac	tccttgtcct	ttatcttttt	tcttagacag	accctatccc	120
cgctcgcgtt	attctactca	atgtcggcct	gaaatggatc	ttgccagacc	gggggacgca	180
ccgcctacta	gcacaaacac	cgcagggacg	cttgaagatt	cgtccagcac	cgcaaagcgt	240
cgatggagga	gaaatcgtat	agcctgtgac	tcatgccatt	cgcggcgggt	acgatgcgac	300
cgggcatttc	cctgttcgcg	ctgtcttcgc	agtgagatcc	gttgcggaatt	tacgcgcgaa	360
cgacggaaac	gagggcggat	tgcacgggtca	aaacagacgg	caacagtccc	gaacggcgga	420
tcgatggaga	agctgcccac	ggctcccaat	gtgcagcctc	cagtcccagc	ggcggtgcca	480
gcgatgcggg	cgccaacacc	attaccgaat	catgcctcgc	cgaccacgtc	cttccagcat	540
cggtcgcgg						549

<210> 6096

<211> 630

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (287), (299)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6096

ttggccgcga	ctttggtctc	atcgttgctc	tcttcggcaa	tattttttct	ctctcttaac	60
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tctgtttatc	tctcgttgga	attcatatcc	gtcatgtcaa	aggctactat	tgcggccatc	180
gctgccgcca	gtgcagctac	tgggtgctgg	atcaccgctc	tgtctgtactc	ttcatcatcc	240
tttcgacctc	aacaacagca	gcaacaacaa	caacaacaac	agcttcntcc	tccccatcnt	300
ccgtcccaac	cggctgcaat	ctctcctcct	gcaactatcc	ctccgcccgc	tctggccaag	360
actgccgcca	gtaaaccctc	cgggtggctcc	cccgtcgatc	ctgccgggat	ctaccagtat	420
ggcttccccg	gtccgatcgc	cgataccatc	acctctttac	ccttgaccgg	cgcctacgac	480
cgtcgcacac	gtaatcctgc	ctgggtcgcc	gaacacatca	cgcgcgtactc	gctctccctg	540
aagaacgccg	accggaaaca	cagcgccttc	gtcgaagacg	ccagcattcc	cgccatcgtc	600
ttacaccgac	ggggctggaa	ggacacgcgc				630

<210> 6097

<211> 435

<212> DNA

<213> A.fumigatus

<400> 6097

gtcaacggta	tcaccttcat	caactatgaa	aacttacatc	agcagctcct	ccgagaaacg	60
atcggccttc	acacctgcga	cagtcgatcg	tcgaaagcag	ccatacaggc	cgagtacccc	120
gagtatatca	ttgaagatgg	cttcgcagag	gaagaccccc	tgtatgatcc	aaagctacgg	180
gagtcgcgaca	ccgcgcgtga	cgctcgccct	cgcgacttac	tccagaacat	cttcactcac	240
gacaaaaaca	cttttatctc	tttaacggca	cattcaggcg	ccattacaag	tatcttgcaa	300
gtcacggggc	accggaaatt	tgcgctcgct	acgggtgctg	tcattccggg	tctgggtcaag	360
gtagagcgag	tggctgggcc	attgccgaaa	atgcatattg	atcctcctac	gacggcgccg	420
gtttgtaaga	attga					435

<210> 6098

<211> 432

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (136), (138), (150), (255), (350)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6098

caggggggacc	gggtaattca	gccaaagtggg	gcccacgaa	tgatcccgac	cactttcgac	60
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ccatcaaatt	ttggtntnat	acctcgaagn	tatgactcgg	acgccgagtt	tgatccagac	180
ggccgaagaa	cccaatggga	gcgctttgag	taccagatca	acaagctcaa	tgaagagagt	240
ggccccgata	caagntacag	actgctcttc	ctgggcagac	atggagaggg	ataccacaat	300
gttgccgagc	gccgctatgg	aagggaagca	tgggatgtaa	gtatttccgn	taatgccctc	360
tacccgagac	tccttatatg	ggcgcaattg	actgttacag	tgctatttgt	cccttctcga	420
cggcgacgat	aa					432

<210> 6099

<211> 285

<212> DNA

<213> A.fumigatus

<400> 6099

ctgttacagt	gctattggtc	ccttctcgac	ggcgacgata	acgggacatg	ggtggacgcc	60
cgtctcactc	ctgtgggcat	agcccaggcg	gaaaccgcgc	accgggcttg	ggagacgcag	120
atcgagagca	agattccatc	ccctcagtcg	tactacgtga	gtccgttgaa	ccgatgcctg	180
gctaccgcca	atatcacgtt	ccgcggcctg	aagatgccgc	atacggagcc	cttccgcccc	240
gtcgttaaag	aggtaagtca	acggtatcac	cttcatcaac	tatga		285

<210> 6100

<211> 615

<212> DNA

<213> A.fumigatus

<400> 6100

atcaagatca	cgagtagatg	tagcaatgct	gccctgccaa	tggatccatc	aagtctgcaa	60
tcttccgagg	gcccccgagc	acgccaaact	ccacgaccgt	atcgacactc	acattcgtcg	120
cccacggcgg	atcaaaccac	cacgccgtcc	cattcagcgc	atcccgtcgc	cccggacctg	180
cctcctgcca	catccccac	agccgatcca	ccatcgcatg	gtgcaggaag	aacgctggat	240
cctgcaccga	cgaaaacaca	tcgcccattg	tggggcccag	cgcaacatgg	accgcggcat	300
gcgcgcccga	ccggccccgc	ggtgctcggg	tccagcaccg	cgagaaaactc	ctggatcgtc	360
tgcgcgcgca	ggatccgctg	cacggcgccg	gcgcggcgca	accggtgcag	cggacgagcg	420
ttaaagctgc	gctcgagaca	gcgcgggttg	tatcgaaagg	ccgacagatc	gagcgggcgg	480
ttcagatcgt	ccaggctcgtg	gacgtacaga	gggcccattg	gaggcgagag	gatgggacct	540
acgcgacgaa	gtcatcgaag	cgatcctgca	ctccggggta	ttgctacttc	aggaggactg	600
cagggagcga	ccgta					615

<210> 6101

<211> 1131

<212> DNA

<213> A.fumigatus

<400> 6101

cccgtggtga	agaccgtcca	gcgcctcctc	cccgtcagcg	ccaccaagaa	ccacgcacac	60
atcaagatga	aactctcact	cctactcctc	ctcagcgagc	tctacactgc	aacaggtact	120
gcgcgtacaa	ctacaactgc	tacagcagca	accacgtaa	tctactccta	ccccggcgtc	180
tccccccagc	ccagcctcct	ctccctcatc	gccgcaggca	aagtaggcgg	cctcatcctc	240
ttcggcgaaa	acatcgatga	caacttgccc	gccaccatcg	ccaccatcca	gaaaacctac	300
gcctcgcccc	cggactacaa	tggcaccg	ctgctgatca	tgaccgacca	ggaaggcggc	360
aaggtaacggc	gtctgcccgg	cggctccgacc	ctctcggcaa	agcaggtcgg	tctgtcctct	420
gacccggcgg	cgactgccgg	cgagaccggg	accgaagcag	cgacgaccct	ggcccagtac	480

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ggcgtgaatg cgaatctggc gcccgctgctg ggcgtctatc gctcggcggg ggacttttcta 540
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ggggctgcgg gggccgatgc gaatacggat ctgggtccccg tgcagatcga cctggggctg 720
gaggagtgtg ggcgggtgga tgaagcgccg tatcgcgcg cgattgccgc cggggtggag 780
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gatgcgattg agggccggggc gttgcgcgcg tacggcgacg atgcggcgag aggcgtgcgc 960
gcggcgcagg cgggggatgga tctgcttctt gcgtcggcga ggaatgtcac gcagggcgag 1020
gcgatcgtgg atgactgac cgcggcgctg gagcacggcg agctggatac ggaggagttt 1080
gcggcccgca cggcgcgaaat catggcattg agacggacgt tacatgtata g 1131

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<210> 6102

<211> 435

<212> DNA

<213> A.fumigatus

<400> 6102

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atcggaacta gatcaagatc acgagtagat gtagcaatgc tgccctgcc aatggatccat 60
caagtctgca atcttccgcg gggccccgag cagccaaac tccacgaccg tatcgacact 120
cacattcgtc gccacggcg gatcaaacat ccacgccgtc ccattcagcg catcccgtcg 180
ccccggacct gcctcctgcc acatccccca cagccgatcc accatcgcat ggtgcaggaa 240
gaacgctgga tcctgcaccg acgaaaacac atcgcccatc gtggggccca gcgcaacatg 300
gaccgcggca tgcgcgcca accggccccg cgggtgctcg gtccagcacc gcgagaaact 360
cctggatcgt ctgcgcgcc aggatccgct gcacggcggc ggcgcggcg aaccggtgca 420
gcggacgagc gttaa 435

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<210> 6103

<211> 681

<212> DNA

<213> A.fumigatus

<400> 6103

```

tggatccatt ggcagggcag cattgctaca tctactcgtg atcttgatct agttccgatc 60
tatggctata catgtaacgt ccgtctcaat gccatgattc gcgccgtcgc ggccgcaaac 120
tcctccgtat ccagctcgcc gtgctccagc gccgcggcca gtgcatccac gatcgccctg 180
ccctgcgtga cattcctcgc cgacgcaaga agcagatcca tccccgctg cgccgcgcgc 240
acgcctctcg ccgcatcgtc gcgctacgcg cgcaacgccc cggcctcaat cgcacccgtg 300
atggtcaccc cctggaaccc atgcggttgt cgcagctcgc cgcgaatcca tttctcactc 360
agccccgcgc gcttcgcata caacgcagga tacaccgccc acgacgcat caccatctcc 420
accccggcgc caatcgccgc gcgatacggc gcttcatacca cccgcgcgaa ctctccagc 480
cccaggtcga tctgcacggg gaccagatcc gtattcgcat cggccccgcg agccccagc 540
ccggggaaat gcttcgccgt cgcaatcact ttccgggctt gctgggttgc aatgaaggct 600
tccgcgcacg aagcgaccag ctccgagcta ttcccgtagc accggccgta ctctctaga 660
aagtccccg ccgagcgata g 681

```

<210> 6104

<211> 474

<212> DNA

<213> A.fumigatus

<400> 6104

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accgcccgtc cgatctgtcg gcctttcgat acaaccgcgc ctgtctcgag cgcagcttta 60
acgctcgctc gctgcaccgg ttccgcggcg ccgccgcggt gcagcgggat ctggcggcgc 120
agacgatcca ggagtctctc gcggtgctgg acccgagcac cgcggggcgc gttgggcgcg 180
catgccgcgg tccatgttgc gctgggcccc acgatgggcg atgtgttttc gtcgggtgcg 240

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gatccagcgt	tcttctctgca	ccatgcgatg	gtggatcggc	tgtgggggat	gtggcaggag	300
gcaggtccgg	ggcgacggga	tgcgctgaat	gggacggcgt	ggatgtttga	tccgccgtgg	360
gcgacgaatg	tgagtgtcga	tacggtcgtg	gagtttgccg	tgctcggggg	cccgcggaag	420
attgcagact	tgatggatcc	attggcaggg	cagcattgct	acatctactc	gtga	474

<210> 6105

<211> 1500

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1456)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6105

aataggtcga	ccggtgacat	ccttgtcaca	aatgacgggtg	ctacgatcct	caagtctatt	60
gccttcgata	acgcccgggc	caaggtgctg	gtgaacatct	ccaaagtcca	ggatgacgaa	120
gtcggtgacg	gaacgacatc	cgtgacgggtg	ttggcagcgg	agttgctgcg	tgaggcagag	180
aagctcgtga	accgcaagat	tcatcctcag	acaatcatcg	agggtaccg	gatagccagc	240
aaagccgctc	tggaggccct	tgagaaggct	gctgtcgatc	gaagcaagga	tatggaggct	300
ttccgaaaag	atctgcacgc	tatcgctcgg	acgaccctta	gctccaaggt	tctggctcag	360
gaccgcgaac	acttcgctgc	tctcgcttgt	gatgcagttc	tccggttgaa	gggctcaacc	420
gacctcagtc	acatccagat	cataaagaag	gccggcgcca	agctcagcga	ctcgtacttg	480
gacgaaggct	tcatccttga	caagaagatc	ggtgtgaacc	agcctaagcg	cttggagaat	540
gccaagatcc	tgggtggcaa	caccgccatg	gacactgaca	aggtcaagat	cttcggtgca	600
cgggtcaagg	tcgagtcaac	gggcaaaacta	gccgagctgg	agaaggcgga	gcgcgaaaag	660
atgagagcca	aggttgagcg	gatcaaactct	cacggcatca	actgcttcgt	caaccgtcaa	720
ctcatctaca	actggcccga	gcagttgttc	accgaggccg	gcacatgtc	catcgagcat	780
gccgactttg	acggaattga	gcgtcttgcc	ctgggtcactg	gtgggtgagat	tgcttcaacc	840
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ggcgaggata	ccctcatcaa	gttctcgggc	gtgggtgccg	gtcaggcatg	cactattgta	960
ctgcgcggtg	ccaccgagca	gcttctcgac	gaggcagaac	gatccctcca	cgatgctctg	1020
gctgttctct	ctcagactgt	caaggatccc	cgggtcacac	tgggcgggtg	ctgtgctgag	1080
atggtgatgt	ccaaggccgt	tgagcaggcg	gctcagaaca	ctaccggcaa	gaagcaactg	1140
gctgtggacg	cattctccta	cgctcttcgg	caattgcccc	ctatcttggc	cgacaatgcc	1200
ggctctggact	ccagcgacct	ggttacaaga	ctccgccagg	ccatcaacaa	cggcatgacc	1260
agttctggtc	tggatttgct	tacccttggc	ggtggtattg	ctgatatgcg	ggagttgggt	1320
gttgtggaga	gctacaagct	aaagagggca	gttgtttcct	cggcatcaga	agccgcagag	1380
gtaagcatgg	tcgtcgattt	gcttttgcac	aaacgcttag	ctaactatgt	ccgtctacag	1440
cttctctctg	gtgtcnacaa	catcatccgg	gctgctcctc	gcaaacgcga	gcgtatgtga	1500

<210> 6106

<211> 465

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (71), (82), (101), (118), (134), (214), (229)

<223> Identity of nucleotide sequences at the above locations are unknown.

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ccgccattaa	nagggattct	tnatcagggg	tttgagacca	nttttcccc	ccttgagntg	120
ctgcctttct	tccttgccgg	tagatacttc	ctaactatat	actatccatc	atggtttgta	180

atctcccaaa	ttaatttctt	aaaggacaaa	atgntgacca	cctccaggng	tcttcgcccc	240
atccccacgc	agatctttgc	cgacgatgtc	gtcgaggaaa	agggcgagaa	tgcgggtctg	300
tccgcctttg	tggggcccat	cgctgttggt	gacttggtga	aaagcacatt	aggtcctaag	360
ggaatggaca	agatccttca	gtcagcgaac	gtggggtggt	tttctgggaa	tgcgggggtt	420
tgttggaaaa	cgagtttgcc	agaactaact	ctcgggttaa	aatag		465

<210> 6107

<211> 966

<212> DNA

<213> A.fumigatus

<400> 6107

caaggccat	ttcttttcca	ggttgagaca	tctcagcagc	tgaaagagcg	tacgtctgcc	60
tgtgagagca	ggttactgcc	attggcacc	aatgcgggtc	aggagaccac	caccaccacc	120
accaccgtgg	acgacaagga	aaaaaagagc	attgcgtctg	aagttcttca	agagttggac	180
caaattgcc	aagaagttag	cgagctccag	aagtacagtc	gcatcaattt	cactggtttc	240
ctaaaggctg	ccaagaagca	tgaccgcaag	cgtggtgcac	gataccgtgt	acggccgctg	300
ctgcaagtac	gtttatcgca	gtcccttttc	aacagcgagg	actattcgcc	tctagttcat	360
cggatatcgg	taatgtattc	ctttgtgcga	cgatcctga	gtgagggtgc	tgtcgaatcc	420
aaggatgcca	gcgagcccg	ttctggccag	gatgcgtact	catcgtacaa	gttctgggtc	480
catgaagata	acatcctgga	ggcaaaaact	tacattcttc	gccgattgcc	tgtgctcatt	540
tacaaccca	aatcctcgag	ggattttgag	tgcgttctctg	aggacccac	aattacatct	600
ttgtatttcg	acaaccccca	gttcgacctc	tacaatcaga	aagtagctaa	agccccgaa	660
gccgggtcga	tcagacttcg	gtggaccggg	gatctcaagg	acacgccgc	cattttcctg	720
gagaagaaga	ttgtgaccag	tgatgactat	agcaaagagg	tgaaagtgca	gcttaagaag	780
aagcatgtgc	aggaattcct	tgaggggcaaa	tatacgttcg	agaaacagct	gcatcgaatg	840
gaaggtttga	ataacggcga	atcagcagag	gcggagacgc	tcaaaaagga	tgttgaggag	900
ctgcaatcat	tcatcccgga	gacatattcg	ttacaggggt	cgaagaacgc	gcgcgacttt	960
ttttaa						966

<210> 6108

<211> 1086

<212> DNA

<213> A.fumigatus

<400> 6108

gccccttact	tttccaccag	gttgcccttc	caccctgggc	ccagtcgggt	cgagttccga	60
aggcttcttc	gcaaatcctt	aaaggatata	caggctttga	atgatgtcaa	gggagcatat	120
cggaccaagt	acaacctatt	cgactcgatc	accctccctc	tgcgagactt	tctgaaagga	180
gaggggggtg	atttccgctt	caacgttgac	gtgactgatc	tactgctcta	tcccgaagt	240
gacccgacca	cagtctcgga	aattaagctg	atcaaggagg	gagatgaatg	cctgatcacg	300
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accctgagca	tggaatacag	cgtgcgaagc	gctcagatgg	ccgtctatca	gttgatggac	1020
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atataa						1086

<210> 6109
 <211> 1137
 <212> DNA
 <213> A.fumigatus

<400> 6109
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 atgaagtcca cctggcgtag tgccagcagg gatacctgga gcctcggaca ctggctcatt 180
 catatactca acgcctaccc tttagaactc gacaaagagg taccgggtgca ctccaaggat 240
 gaaccaattc cattcatgcc acagtgggtc ctcaacctat ggggtatttt ctactcgtct 300
 ctaccactgt tgtttcacca ggcctacgca tggtagaccg aacgcaacct gggtccttta 360
 gccacgttta atctgtatat gtttgcttcc aatgcgacgc tcatctacca ggtacacata 420
 ctccggcgac tgggtcacat atatggcttt ctatggcg acaaacacga acgagacggc 480
 attcctgacg tgggggtcgg caaggtcgtg gcctcgggtg aaaaaacgac cggttctcgc 540
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 tactggttac cgggtgaggt cggactgtac ggcctcgtgc tcgacttctg gttctactgg 660
 taccatcgcc tcatgcacga cgtcagcttc ctctggaagt atcaccgcac tcaccacctg 720
 accaagcacc ccaatccttt gctcacggca tacgcggacc acgagcagga attcggcgat 780
 atggtcgggg tgccgatgat gacctacttc actctgcggc tgctggggct gccgatgggc 840
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 gccgagattg tcattgagga tcatgacctg catcatcgga aggggtggcg gaagagccac 1020
 aactacggca agcagactcg tctttgggat cggatctttg ggacctgtca tgaacggatt 1080
 gagtgcggcac ctgagaatgt ggattatgtg aataccgcca ggatgccatt gttttga 1137

<210> 6110
 <211> 594
 <212> DNA
 <213> A.fumigatus

<400> 6110
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 ctctccctcg cagacatcga cgccaacgct ctaaccagcg cattcgcaaa actcggctcc 180
 gacagcgaga cggttctgac aacagtcgtg gatgtggggg ctccacgctc cgtggatgcg 240
 tggatcgagg ccacggtgca gaagtccggg gcgctggagc gcgcgcgcaa catggcgggg 300
 acgattgggc ggaagcatgg ggtgggcaag ctctggagc aggatgatga ggagtgggat 360
 tttctgctta ggggtgaatc cacggggacg atgtactgcc tgcggggcga ggtaaggagt 420
 attgcggcga cggcggggga gggcagtatt gtcaatgcag cgagtattca ggggggtgagg 480
 gggttcgcgc tgcattcggc gtattcgacg acgaagcatg gggttgtggg gttgacgaag 540
 agtgtggcga aggaggttgg cccggctatt agggttaatg cgattgctcc gtaa 594

<210> 6111
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 6111
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 gccagggaga ccgacctgcc attccccttc ccagctgggt gctctggcac tgggcctggc 180
 agtcttccat tccctattcc ttcaggcgct cctagcggct ttccgttccc tattccttcg 240
 ggtctacctc acggcttttc aactgatttt ccgttcccta ttccgtccgg cttgcccact 300
 gggttcccat tccctatccc atccggcttc cccactggat ccggctccgg cggtttcccc 360
 ggcttccccg gcctaggcgg tagcggcgac tacgaaaagc gcgaggaagc tcatcacagt 420

cgccccaagc	catctggcgt	cttccccgga	tggccgtggg	ccatggccat	ggcccgaagc	480
cccacttggtg	gcttccctgg	atggccaaag	ccgactggca	ctccttcctt	ccctccctgga	540
ggcagcccca	cggcggtctt	cccaggttc	ccaagcatca	taccaacggc	ttacgcccag	600
cgcaactcct	tccgggttcc	cccttcaagg	ggctga			636

<210> 6112
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 6112						
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aaggctcgtg	atattcaggg	cacgttgaat	gctatgccca	cgatcatccc	gcgcattggg	120
acggcagatg	aagtcgcgca	gtcgggtgctg	tttctgctga	gtgatgcctc	gtcgtatacg	180
actggcttgg	tactgaatgt	cgacgggtggt	tgggatcctt	ga		222

<210> 6113
 <211> 1611
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1548)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6113						
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gaatcatcat	ctcgcagttc	ccgcaaccgc	cagtcaaccc	cctcagtgca	ggcctcttcc	180
atggaactgg	agttccaatc	aggcaagcca	gcaggaacac	tcattgcaga	tacacggcca	240
gttccacccg	gcgatctcac	gagttcacia	cgacagcaag	acgactcctg	gacattgaat	300
gacattaaag	aagttagtga	caaccggggc	tttggccttc	cccagcggca	gccgataagg	360
gaagaagtac	ttcataattc	agttgacacc	aaaacgaacg	gagaccgact	gtcctaccct	420
gtttcagagtt	cggctaccga	gaaggtcgta	cttcagatga	gatcatgccc	tagaaagttt	480
gcacctcagc	ttgttgagac	caataaacgt	tcatttcgcc	gcaaggaaac	gtcgcacact	540
ttgtctggag	ctcctgtaca	ggggtatgac	aacgtgtctc	gaacgcaaag	cggcacctcc	600
acctgtgcga	actcaaatgc	tttctctgcc	actatcgaat	ctaaattttc	atattctagt	660
ctccaacagc	gccaaagatc	aaggagccac	tcatttcgag	tgccagacct	ccctgcaatc	720
ccctccagct	gcagtgcgc	ctcggagggg	tcggacacac	cgtcgttctc	ggcatctcct	780
tccatttcat	ccaatgtatc	tgctcatcac	tcaaagccg	aaaacgggtg	taaaactggc	840
cgtgatggtc	atatggcgga	gtactttctt	tctctcgcag	gtcagtcggt	ggaaagtcaa	900
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tttgcgatcg	acaaggatga	agacgaatgt	tccgaggagg	actcgaaaaa	cggccatcta	1020
catgtatcaa	ggcgggaatc	gtcggccgat	cttccgtggg	agcttgaaca	tatgcgccgg	1080
cataaggagg	atgccgaaat	gagggatcgt	gctatggcgg	gtacgaaggg	gagacgcctt	1140
tcgtctgcaa	tattcaaccc	tcgtcagttt	tacagtggaa	tcgataatga	ctgttgagga	1200
ggaaagtatg	agccagatct	ctccaggcat	ctcgcgcgtc	cacctatgct	aggcgatgac	1260
cttgtattcc	cacagagttt	atctcccgaa	gcgacaatat	gtgagagtgg	atctgtgcgg	1320
gactgtgcta	ccgattcaag	acatcgagta	cgcaatgatt	ttggcctttg	gtgtacaaaa	1380
cctggtcatg	tgcaggatga	tgcaactact	ggtctctgga	agggaaacgtg	ttgcaattac	1440
aagcatactc	aacaatccaa	aagatcttta	ccgtgcgtga	cagacaattc	tcgtcactct	1500
aacaacaatg	agtgtcaatc	taaagtatgc	agtgcagagc	aggaccanga	acaatctact	1560
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<210> 6114

<211> 348
 <212> DNA
 <213> A.fumigatus

<400> 6114
 ggtggaagta gaaccatggt ctggagagac ttcggagtga agcttaggcg cgatttcaca 60
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 aatccagcgg acagagttat tggcgctctc aaagatcgca aacttccaat caatcggcac 180
 gagatcgagt cggctttgat cgacatcgat aacaagaatg ttgagagcat tcagtggctg 240
 gaggagcacc tccgaccgca cagctgctt tcgcaggagg agctaacact gtatgtttcc 300
 cattcctcac cccgttggat tccatttctc tctatttcga agcgatag 348

<210> 6115
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6115
 agagctcctc cagagtcgcg aatcattctg cgcgactcta gaggctctta cagctgctta 60
 caggacggaa ataggcaatc agttttccga aaagccttct tcaaggcgag agacattgag 120
 tatgaggagg cgttctactc cgttgctatc catccctacc gctccagaaa agcccatgga 180
 taa 183

<210> 6116
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 6116
 agacgtgttg cgtatttttac gcattcagtc cggaagtacg gagtagaggg aggatctaaa 60
 gtgttactat tcggcgccct cccccctcct gttctagcgc tgctccgcag cgggtattca 120
 actgctagtc aggagtccca actacggctt attggatttg agttgggtgt cattgacgcc 180
 cttgcgcagg tttga 195

<210> 6117
 <211> 1323
 <212> DNA
 <213> A.fumigatus

<400> 6117
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 gatcttctag ttgtggacaa cgctcatgct gcgccttgca tctcccagc gacgcccgtc 120
 aagatgccaa ccaccacgct tgcacccgac aaatcgagac aaacctcggc tggcaaagga 180
 tttttcggga ggaagctgca taaggagaag ccggtagatg atcggtatga gggttatgga 240
 gggtcggaga atctcgcgcc tccaggaaat gctacgggat cccgttcgct ccggcactcg 300
 aaacgatcat ccgtccaatc tgtggattac tcgcatgatt tcgatccaag cggaatctcg 360
 atgaccgccc gtgtcataac atccattccc tatgagagcc ttactaccga tactaggtct 420
 ccgatcccgg tagattatct gtccagggcg gagacatcac cagcaaagga gccgtcgcca 480
 aatcaccttg ccaagggagg cggtgatttt catcaatacc cagcatggaa cccgacagga 540
 ctacgagaaa acaacgcctt ttcccatcct acggggcctc gtccccacc gcatgcgtcc 600
 aatgtgtcta tggtcgggag tactgcaggg gacaagagcg cgaggcatca gcagtggga 660
 agaccaggaa gttcagccac taacgctggg ttcagtcata attcctcatc caccgtggat 720
 tcatcatcga cgtcacggat gtcccttgat caaacagca tccattcgct tctctcttcc 780
 aacacaaggg gttcaagtta tatctcttcg gacggctcag caggaacgct cacaacatcg 840
 cattcgggtg accgtggaac tctattccca agcagcggca actccaatcg gttctccacc 900
 gcacaagcgg catggcaagc tgctcagctg gctacccatt ctgctgcacc ggctcctaat 960

cccgagcagt	atctcacgcg	acccagggac	gatcgcgtag	tggaaccaact	gttccttgac	1020
ttgatgcaaa	agcgaggttg	gcagaatctt	ccagagcagg	ccaagcggca	gaagctggcg	1080
tatcccgcac	ccaagaagtg	gacgctagta	catcaggacc	gcttgacaga	tctgcagggt	1140
gaacagaagc	ggaggcagaa	tgcaaggcaa	acacacggcc	atgatgggtcc	agccggcatt	1200
ctcgagcgag	ctgatgaaga	agggagcccc	gagtggtatg	tgaagaaggt	catggatgac	1260
agtatcacgt	caaagcaatt	ggccagcttg	agtgtcagtc	tgccaacgca	acccatcaag	1320
taa						1323

<210> 6118

<211> 501

<212> DNA

<213> A.fumigatus

<400> 6118

gatgacagtt	gggtcagagc	ctttgtcgaa	gcacaaggtc	aaatcgcttt	gaccaatgtg	60
ctctccaaga	tcaatcgcag	gaaagcttcg	ggccctgtcc	ccgcaccacc	aacaggcgat	120
cgagacttgg	atagagagta	cgatattgtc	aagtgtctca	aggctcttat	gaacaacaaa	180
tatggcgcg	acgacgcaat	cggtcatcaa	caggtcatta	ttgctcttgt	cagctcgcta	240
ttatctccgc	ggctgaacac	aaggaaattg	gtcagtgagg	tcctgacctt	cctatgtcac	300
tgggcggaag	gggagggccca	tcagaagggt	ctgcaggcca	tggatcacgt	caaaaatcac	360
cacggtgaaa	ctggccgctt	tgacgcctgg	atgcgaatcg	tggaggtaac	gatcgatggc	420
cggggcaaaa	tgggcagctt	agttgggtgcc	agcgacgagt	atcgtagcgg	ttcttaccoc	480
agcggggccg	agatcaggta	a				501

<210> 6119

<211> 549

<212> DNA

<213> A.fumigatus

<400> 6119

ggaattcaag	cggtgagttt	tgatgttgac	tacctaaatg	caaactcttg	gtatgctgac	60
agcattatag	tcgaggaagt	ggctcgttcca	ctggccctga	aatatctggc	tcgtgccggg	120
aagctctctg	ccctaacaat	gccactgct	tcttttcttg	tgatcttccc	acgtgctgac	180
aagtctctcat	atgcagatac	tgtcaccctc	actgtcacgg	agactgtgtg	cgacttttca	240
agcacgactc	tctcaaagcc	ttctaccacc	atttggatcc	cgccaattcc	aaccatgggt	300
accaccgctt	cgatgccaac	atctcagact	agcgtttcca	cgtctgaatc	ttcaactacg	360
tcgtctgtag	agcagacggc	ttcccgcctg	accagctcga	ccagtagcag	cgatgcttct	420
gctcctgtgc	ccagcagcag	tgaaccacca	ttcgctcctc	ctctatcgga	ttctgccact	480
ggtcaaggga	aaatacactt	tgcttctctg	gtatggacct	tggtgatgac	aagtttcatg	540
aacgtatag						549

<210> 6120

<211> 207

<212> DNA

<213> A.fumigatus

<400> 6120

gctactaagg	atagccctat	ctcattttcca	gcatatatta	ctagccccc	tgccaccagc	60
aagctgggtca	atcagtatga	aagtgtctta	gcaattacta	ctaatttttg	cgttgctgcc	120
gtgattctat	acttttagaaa	gttgatcaat	aattacaata	aatctgtagc	acatgcttat	180
cgcttacatt	tcactctggca	ggtgtaa				207

<210> 6121

<211> 330

<212> DNA

<213> A.fumigatus

<400> 6121

ctgtcgagac	aggtgggatg	gtatgcaagt	gccttcttcc	tgaccattgc	ttcgttccag	60
tccacatggg	gcaaggggta	taaatacttc	cctctcaaaa	ccactttctt	gggcgccatt	120
tccaccttcg	agatcggttc	gttgatctgt	gccgtggccc	agaacagcac	cacgctcatc	180
gtcggcagag	ctgtggcggg	aatgggagca	gccggcatcg	cgagtgggtc	ctacacgata	240
attgcctttt	tagcccttcc	gaggcagcgc	cccgcgttta	ctggcttatt	gggttttcac	300
cacgggggtc	gaagcaccgc	gctatcgaat				330

<210> 6122

<211> 228

<212> DNA

<213> A.fumigatus

<400> 6122

atccttataa	ttttctctatt	tgtgaagtct	ggccctgcgg	agaatattct	atttctgggt	60
gattataagc	acgcctttat	acactgcaaa	gaactaaact	attataaaat	aattaaggct	120
aaagcatcag	gacagtatat	aactaggctc	tctaatagta	aagaagcgcg	gggcaaatcc	180
cttataatgg	gtgagttgct	gcaattatgc	ttggaattat	cataactaa		228

<210> 6123

<211> 423

<212> DNA

<213> A.fumigatus

<400> 6123

cttctacagt	ggatcgctag	actaagcatc	aatagcactt	tcggagcatc	ggttctggag	60
ccagcagtga	ctgatgtgat	ggcggatttt	tgcgtcggtc	gaaccagggc	tactttatgc	120
attacctctc	acacgcttgg	gcttgccact	gggcctcttg	tgctggcgcc	aatttctgaa	180
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ttctgctcgg	tgggtatcgc	tgttgaggga	ggaacagttg	ccgacatctg	gcccagagga	360
aaacagcgag	caactgcata	cttgtcttca	acgcgggggt	ggaatgaacc	gttcggtggg	420
gta						423

<210> 6124

<211> 1167

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1072)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6124

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aacctccctg	aactcttgaa	aaaccgccag	agttcgggtga	agcctgtcaa	cctcaagcgt	120
ccggcaccag	ctgctgtctc	tcggcatgct	gcaaagttaa	agaatcaaca	atctgcgccc	180
gagatcacgc	ctccgcagag	agctagtacg	ttcccagtag	aactactgag	ccgacagtcc	240
aaggccgagg	ccagcaatac	cccccaagag	ttagatgata	gtcataattt	tggcagtggc	300
aaagtgtatc	agagcccagt	gaatacccag	gtcagtagcc	cgaagtggac	cccatctacc	360
ccggaagccc	cgaccgacac	cacgacgaca	acgcccgaac	cctttattgc	cgatcaagct	420
cgcccatcga	ctacggcatc	tccaatgcca	gggatgcatt	cacgagagcc	ctcgtcgggg	480
caattctcag	cacagcagtt	ggccaatgcc	ggaaatttgc	cggacctcat	gcccacatg	540
ttcccttccg	acgatccctt	tgcctatccg	actcaaccaa	tgtccacgtt	ggaagatgat	600

catttcgcg	tcgacggact	gggcctacag	tcagcaaatac	agttcgcttt	cgatccgtcc	660
tcgcaggggt	tacgctcgtc	ggcctcgaat	gattcagcca	tcggcgcggc	ctccactccg	720
acgtttgaca	actttggcac	tttcccgtt	ttcaataatg	gaacttcagc	cggcacatcaat	780
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cagtcacccg	ggtcgcatag	ctcgactccc	ggcagcggca	ctgaggcggg	caacagcccc	900
gacctggtgt	cgatcccca	tcagaacttc	atgtggcaag	ggtacaactt	ccagccacag	960
gcaattcccc	cggaatcatc	agggccccag	caggcaccga	cgacgactga	atctcagggc	1020
tttagcatgg	gaacgaacga	gaataattat	atgggagtg	gcattgacct	gngttttctc	1080
cctctggacg	atatcttcgg	cgacccatgc	cgaccaaaca	cactcgccaa	cgacgactgg	1140
attcagtggg	tgaatgtggg	aaattga				1167

<210> 6125

<211> 336

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6125

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accccgaggt	gccccctcga	cccaacctac	cgcattccact	tctctctccg	cacccccctta	120
gtcatctaca	tcgaaggctt	cctcaccacc	cgggaagcag	accacctcgt	cgacatcagg	180
taccttttcg	ccttcgatcc	acaggtccac	acgaccttct	cgctaacatt	taccgaaaag	240
cgtaggaaaa	tacaccccca	gcataatcta	caacggcatc	accgagcgcg	tcgacctctc	300
cacgcggctc	tccgagcgtg	cctgtctcga	cgtga			336

<210> 6126

<211> 630

<212> DNA

<213> A.fumigatus

<400> 6126

catttaccga	aaagcgtagg	aaaatacacc	cccagcataa	tctacaacgg	catcaccgag	60
cgcgtcgacc	cctccacgcg	gctctccgag	cgtgccctgc	tcgaccgtga	ccacaccgtc	120
cggtgtatcg	aggaccgcgc	gcgcgccttc	caggggtggc	gtccacacct	gtacatcgag	180
cgtatgtggg	cccagcgcta	caacgcctcc	ggccactaca	ggcaccacta	cgactgggcg	240
ggctccgtcg	cgcgcgggcg	cgaccgcgcc	agcacgttca	tggtttatct	ggatgataac	300
tgtaccgggtg	ggggcacgaa	tttcccgcgc	ttgcgcgatg	cggtcgatag	gcgggtgggtg	360
cggtttttgg	agtgtcatgg	agatgaagag	acgctggagg	tgggagatgg	ggccaaggac	420
acagcgccga	gaaaagaaac	ggcgagggcc	agagggacgg	gggaaggcat	cacgttcaag	480
cctatcaagg	gaaatgcaat	tttctgggag	aatctgaggc	ccgatgggac	gggatatccc	540
gagacatggc	atgcggcgct	gcccgttacg	tcggggacga	aggttggcct	gaatatttgg	600
agctggtacc	agccgcgcgc	aagggggtga				630

<210> 6127

<211> 477

<212> DNA

<213> A.fumigatus

<400> 6127

tctacaacgg	catcaccgag	cgcgtcgacc	cctccacgcg	gctctccgag	cgtgccctgc	60
tcgaccgtga	ccacaccgtc	cggtgtatcg	aggaccgcgc	gcgcgccttc	caggggtggc	120
gtccacacct	gtacatcgag	cgtatgtggg	cccagcgcta	caacgcctcc	ggccactaca	180

ggcaccacta	cgactgggcg	ggctccgtcg	cgcgcggcg	cgaccgcgcc	agcacgttca	240
tggtttatct	ggatgataac	tgtaccggtg	ggggcacgaa	tttcccgcgc	ttgcgcatgc	300
cggtcgatag	gcggtggtgt	cggtttttgg	agtgtcatgg	agatgaagag	acgctggagg	360
tgggagatgg	ggccaaggac	acagcgccga	gaaaagaaac	ggcgagggcc	agagggacgg	420
gggaaggcat	cacgttcaag	cctatcaagg	gaaatgcaat	tttctgggag	aatctga	477

<210> 6128

<211> 1737

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (81), (96), (131), (213)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6128

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ttgtggctgc	gtgggtatcat	ntgggggcag	gatacntggg	aacgtccgcc	gccggaaggc	120
aacggcgggc	ntaatTTTTc	ttcatggacc	aacgacgagg	tggggtggct	gcatacggga	180
agcaacgacg	gttcttatgc	tagggtgaac	cantacgttg	acgccagggg	cactggacca	240
gaggcacata	gcatcattgc	gagaaaagtt	gcggcggaag	gaacagtgtt	gctgaagaac	300
gtagatcgca	cacttccgct	gtcgcgcaac	gcctcaagtc	catccggcgg	tattctccgc	360
gttgggtatct	atgggtgatga	cgccggaccg	gcgttggggc	caaagtcttg	ccctgaccgg	420
ggatgcaacc	agggcacccct	ggctaccggc	tggggcagtg	gaaccgtgga	gtttccgtac	480
cttgtgagcc	cgattgaggc	gttggaatct	gcatggtcga	cggaaatcga	gagcaccgcg	540
tacctgcgca	acgcogttat	gccagcggac	gctgttgaca	aagatttgtg	cctcgtcttt	600
gtgaatgcag	actcggggga	gggctacatt	tccgctggcg	gaatccacgg	cgaccgcaac	660
gatctctttt	tgcagaaagg	aggcgatacc	ctggtccgta	ccgtctcgag	caactgcgga	720
ggtggacagg	ggaagaccgt	ggttgtcata	cacgcggctg	gtccggctcg	gatggagtcg	780
tggatcgatc	ttcctggcgt	gcacgcgcgt	ctgcttgcca	acctgcccgg	gcaggagagt	840
gggaatgcat	tgggtggacgt	gctcttttgt	gaggtggatg	ctagtggccg	gttgccgtac	900
acaattggaa	agagtctgga	ggactatggg	ccaggcgcac	aggtcttata	cgaaccaaat	960
gcaccggtgc	cgcaggtaga	ctttttggac	gctctgtaca	tcgattaccg	gcattttgac	1020
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ggaacggcgc	cgcacaacta	ttcattctac	cccaagggtt	acaacgagac	tcaacgtcca	1320
tcgccggccg	ggggtggagc	aggtggccat	cccgcgctat	acgaggagat	ggtaagcgta	1380
aagctccagg	tgagcaatac	tggggatcgc	aaaggacagg	aagtgggtcca	ggtctatgta	1440
tcctttccgc	ccgatgtgac	cgaggagggc	gactgggtgg	aggtggactc	tgacgcagac	1500
aagaccgggg	agaaaccgag	ggagcgggtg	aaaatcgagt	ttcctgagcg	ggttctgcgg	1560
aatttcacca	agatcgagct	ggagcctagt	gagcgacgcg	aggtgcagat	gacgctcagc	1620
cggaaagatc	tgagctactg	gagcacgcgc	gagcaaaact	gggtgatgcc	cgagggcaaa	1680
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<210> 6129

<211> 798

<212> DNA

<213> A.fumigatus

<400> 6129

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cacgtggacg	atctgcttcc	gcatttaaaa	cctctgccaa	atatcgagcc	tgttcctaca	180

ctcctaccta	gccctccacc	agaagaggtt	gcttggttgg	atttaccgtt	tctcggtctt	240
gaactgagcg	gcgaaagtga	ccgtgttcga	agcgcttata	tcccaaagca	tttccctcaa	300
tttcccagta	aacatacata	ccggcacaca	cctgtgttca	cacagcggga	gcaagaccca	360
cgaaagatcc	gtgagcgcg	gactgaagag	ggaagacatg	gcgaggaggc	attgcgcaaa	420
ctggcgcggg	catccttcaa	ggataatcaa	ctcggtctgg	ccggtcgtga	aaaaagattg	480
tggggtcggg	ggatggagag	cttagacagt	atgtttgaaa	aaacagtcaa	aggcatcgca	540
aagaaaatgc	acaaagatgt	gactgcaccg	gggacagttg	cagcaatgga	tattgattcg	600
ggggtggctg	tggatccgga	gctcaaggcg	actcggccga	agcttccatt	cagcctggag	660
cttccgccag	tcatacaattg	cgaaagaggt	ctctggcgcc	gaacggcggc	accagcaat	720
cggaaagcgg	aagagaaacc	agccggaacg	aaggatccta	caagtgtttc	gcgagtggaa	780
agctggatga	gcacatag					798

<210> 6130

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6130

caacttcctc	gacctcgtcc	accttccgca	atgtctccgc	ctgcaaccga	tgccggttgc	60
gcaagaaccg	ctgcgaccag	cgactcccc	ggtgtcagtc	ctgtgagaaa	gccggtgtcc	120
gttgtgtcgg	gtatgatcct	atcactaaac	gagagatccc	gcgcagttat	gtctattttc	180
tcgaagcgcg	cgttgcttac	ctag				204

<210> 6131

<211> 1488

<212> DNA

<213> A.fumigatus

<400> 6131

ttcgtctcga	aattttcggc	aaactatccc	ctcgttccac	ttgacctgcg	acaaacttct	60
atttctcgaga	catggttgtc	gcacctcggc	acgccttctc	ccggtctcgc	ctttcccgtc	120
atgttgaaca	cttccccggc	ctcgcctacc	tccctcggga	ggaaacgacc	gcacctcccg	180
gctgagcett	cttaaacgca	atcacagcct	gcggcacaaa	cgcaacagca	gacagctggc	240
gatggcactg	cgaaacacc	accgcctgcc	gtgacaaact	cctcgacctc	gtccaccttc	300
cgcaatgtct	ccgcctgcaa	ccgatgccgg	ttgcgcaaga	accgctgcga	ccagcgactc	360
ccccggtgtc	agtcctgtga	gaaagccggt	gtccggtgtg	tcgggtatga	tcctatcact	420
aaacgagaga	tccgcgcgag	ttatgtctat	tttctcgaag	cgcgcgttgc	ttacctagag	480
aaaacgttaa	gggaccacca	gattgaattc	aaagaagctg	tggcctttga	tgaagaggag	540
gccatcaagg	tagaggcggg	gtacgaccag	gatcggccgc	agatggctgg	ttcagaagcg	600
tcggcggggtg	ccgagacatt	gtctactacc	gttgtcgaaa	gtgacagatt	gactcggaac	660
aaggcagata	aagctgcgca	ggttccgcga	tcgggcagga	acccggagag	tgaacaggat	720
gcggaaaaaca	gccgggacta	tgagaaagag	gataattggc	gcatacataa	tcttgtgtcg	780
aatattggca	tggatcgggt	gcaagggact	tccgatccac	ggtatctggg	gtcgacctcc	840
gggattttctt	ttgcgcgtgt	cgtcttcgct	gcggtgaaga	gctccggttg	cggcaacgtg	900
ggagagcgcg	gaccaatgcg	gccttctgaa	cgcttgccgc	atagtgccac	gggtaccgca	960
gggagtggga	gtaccatgcg	ggattcgttc	tttgggtcttc	agacaaggcc	aacgatgaag	1020
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gcaaaccggc	agatgcctat	cctccaccgg	gaggatttca	tggaaattct	cgatcggaca	1140
tactcagttg	aggagaagga	ccgctctcct	cgcagccttt	ataccctaaa	cattgtcttt	1200
gccattggcg	caggtatcat	attcgaagat	aagaccagct	cagatgatga	agacaacacg	1260
ctgagcaaca	gcagccgctc	aacctcctcg	tccacagcaa	aaatgccgcg	gctttccacc	1320
cgtcaatatc	agcctgaaga	gtaccatgcc	tctgcatatta	ttcatttaga	atctttcctt	1380
ggcgcgctcct	catcgaacga	acggtttggt	gcgctagatg	agctgcaggc	cgtcctcctg	1440
ctggccagtt	ttgcacttct	tcggcctggt	gcgcccggcc	tttggttaa		1488

<210> 6132

<211> 318
 <212> DNA
 <213> A.fumigatus

<400> 6132
 caacggcgctc gacgaatcaa cagacaaaag caacacaagg tgagtgctcg atctcaaacc 60
 acagatggag cttataactaa catctacaga accggtctca tgttctacga gctgaatacg 120
 tgggatctct tgggcggaag tccctggaag cggagcgaca atcagccatt cgaagggaact 180
 tttgagggca ctgtgaacaa attcgcgcag attacacgtc tgatagatcc agatgccaag 240
 ttcacagaac aggcctttat ctccgacgcc ggcaactgctt ctgttgctc attcaaccga 300
 actagtcgat ggtgctag 318

<210> 6133
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6133
 caggaggggg aaaaaaaaaa gactaatctg atattgctgc gtttagaaca aatcgcccta 60
 gcatcgtacg tcaatccgct cgctgaccca gtcgcttggg accgcatgat tgcctaccca 120
 tcaaacaagg tgagcgctct ggctcgccaat gtcctcaacg gcccgacac gacggtgaat 180
 gaggattggg caaaggctcat cgaccgggcc catgcatcgg gataa 225

<210> 6134
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 6134
 cattctctcc aaggagtcac gactgctctg ctccaggaaa ttatctccgt ttaccccttg 60
 ctgaaccctt cccagttgac cgctgcggcg tcgaaccgag tttgcaatgc gctagcgttg 120
 ttacaatgtg ttgcgtctca caacgagact cgcaccctt ttctgaatgg tattttccca 180
 ctgtga 186

<210> 6135
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 6135
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 ggggtcatcg gggcgttggg aaagaatgat tcgtccgatg tgatcaattt ccttctaacg 180
 accgagatca tccctctgtg ccttcgcacg atggagacag gatcggagct tagtaaaacc 240
 gtcgccattt tcattgtaca gaaaatactt cttgacgata tcggctcttg atatatattgt 300
 gccacatacg aacggtttta tgctgtggga acagtgttga gcaatatggt taccctaactt 360
 gtggagcagc agactgtgag attgctgaaa catgttgctc gctgcttctc tcggtaa 417

<210> 6136
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 6136
 tatcgtatca gactcagcga caatagcagg gtcgtggaag ctttacgcca gtgcctcccc 60
 gaaccgctcc gcgacgccac tttctctctt gtactccgag acgatgcggc cacgaaacgc 120

tgcccttgac agcttctcat caatctctct gataatgttt ccgacggcgc ttccgggagtt 180
accatgtag 189

<210> 6137
<211> 342
<212> DNA
<213> A.fumigatus

<400> 6137
cgccctacagg cttctctggc aattgtctca gacatcctcg ctctgttctt acatttccag 60
tatatcggct tcatcacagc gacggccgct cttgacatcc tggatcatcat cctctgcgcg 120
attgggggttg gcaccatctc gacgggggat tttgtctcct acctgggact ttactattat 180
gattacccgt cgggtgttggc gcaagcggag attgtcgtct ttgcgttgaa ccttcttgtc 240
gcgtacgtgt gccagtccag tcgctgggga tacatgagac taatgagggt gttgaagggtg 300
ggagagattc ctttcgatta ttttatgctc tgtttcgtgt ag 342

<210> 6138
<211> 255
<212> DNA
<213> A.fumigatus

<400> 6138
aaaacaaaag gtacaatggt aatgttttca gcaatggcat ccaactttta ccgcgcgcag 60
gacgcaccca ggtatatctt gggacactca ttggagctgg ggtttgcggt ggtgggaatc 120
attgccgtgg tgatcctgcg gttctcgtat cagcgcacat acaagaaacg ggatcagatg 180
gatgtctcgg gctatgataa cgctcagttg gccaggatgg gggatcgggc gcctctgttc 240
aggtatatgc tgtga 255

<210> 6139
<211> 270
<212> DNA
<213> A.fumigatus

<400> 6139
ttactaggac aacttagcat gagctcactc cccgaaagac actggcagca gagattccct 60
accttccaac aagtactcct gcgcaagaac atcgcggcac tggacaacct gctccagcaa 120
cgcttcagg atcccggact tataacgttc gagatcgacc agctggctaa gccggacgat 180
attgtcgtcc accaacattt ccagctcggg ggggtcctgg atcctctttt ccctttcccg 240
cgaagggacc ttgatgttga aaccgcaccc 270

<210> 6140
<211> 1047
<212> DNA
<213> A.fumigatus

<400> 6140
gttgtectag taatcaccaa ggtcttcccc gatgaattcc atctccatac gctcgatctc 60
ttactatcgg caatttctcg tctcaatccg catgttgacc tgaagaagat cgtgattgga 120
ctcatggacc gtctatcggc ctacgcggct cgcgagacag aatcgaccac tgaccccgaa 180
atacgaaagc agaatgaaga ggaagccgct acaaagttcc tcgaaaatct gaagattgcy 240
gaggaaaata agacccaaga ggtctccaca ggcacagctc atgagaacgg cgttgagcac 300
ttgtcaaccg agccgtcgaa ggaaccctcg aaagacacag acaaaccaga agcagagacc 360
cccaaaggcg agcaagagtc gaatgcaaac ggcgagaacg atgcaaagcc tggcgtccca 420
gcagatgtca agctatacgc cattttctat gaccagggtg tcaatctgat caagaccggy 480
ggcttgccaa tccaagacac catggcatta ttagtgctcg ttgttaacct ggctctgaat 540
acctaccctg acaggctgga atacgtagat caggttctcg atttcgctac gcgtgagaca 600

gctgaatacgc	ctgatcatgc	agatctccac	gcggcgccga	cccagcaaaa	cctccttcat	660
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tatctcccgc	tgctgacttc	ccaatcctat	cccacacgac	gatctgtagc	tggcgaaatc	780
gtccggagcc	tgctcaagaa	ccgaaccctg	atcacaacag	cagagaacct	cgaccgcgtc	840
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tcccagcgac	ggggcgagga	aacggacgaa	accatcgaag	agcagggatg	gctcgctcgg	960
ttggtacacc	tgatacaagc	gccagagaat	gacgtccaat	tgaaggtagc	tttcttaggg	1020
cgaaacagag	atcagatcca	ccgctaa				1047

<210> 6141

<211> 246

<212> DNA

<213> A.fumigatus

<400> 6141

gggtgcggtt	tcaacatcaa	ggctcccttcg	cgggaaaggg	aaaagaggat	ccaggacccc	60
cccagagctgg	aaatgttggg	gggcagcaat	atcgctccggc	ttagccagct	ggctgatctc	120
gaacgttata	agtcgggat	cctgcaagcg	ttgctggagc	aggttgtcca	gtgccgcgat	180
gttcttgccg	aggagtactt	gttgggaaggt	agggaaatctc	tgctgccagt	gtctttcggg	240
gagtga						246

<210> 6142

<211> 594

<212> DNA

<213> A.fumigatus

<400> 6142

ctccttcaag	ccacacgcaa	agcgtatgcc	gacggcaacg	aacgcatccg	gtacacaacg	60
ccagccatta	tactgcatc	tattcgactg	gcccgtaaac	tcaagtctcg	tgaacattac	120
gacgacaact	ggcagtcaca	gtcctccgcc	ctttataggt	tcatgcacca	gtgcgtaaac	180
actctctatc	agcgcgccaa	ccctgggtgc	gcccagctgg	cactgcgcct	gtttgtgatg	240
tgccggcgaag	tgcccgatca	aacgggattt	gaagaattca	gctacgagtt	ctttgcccaa	300
gcattcacca	tttacgagga	ctccatcagt	gactcgcgcg	cacagttcca	ggctgtgtgc	360
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gtgtaccttg	caagtcattc	gtggtgggta	gtcgaaaacc	cccaacgagg	cgaagaggac	540
cccaagaacg	tatgtccact	ctgttccctt	tgcttccatg	atcattgcag	ctaa	594

<210> 6143

<211> 636

<212> DNA

<213> A.fumigatus

<400> 6143

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acctctctcg	tgaagggtgt	cttcgtgacg	aacaagatcc	aaccgcctct	acctcaaate	120
accattcctc	ccacgatcgg	aacgcctgag	aatgtcacga	ccaccacggt	ggtggacaca	180
tccgctttac	cgcaggagcg	gagcaacctg	gcccgggaaa	tcagaaagtc	gaacgtaatt	240
ttgttgggtc	attctgatca	ttacagctat	gaaagagttg	ctctattctg	gttgccgtac	300
tttcgatctc	tggggggttaa	cgtgccgggt	gtattatgtg	ccaacaagtc	ggacttagct	360
gccgatcata	ccgaagccca	agtcacgcag	gaggaaatgc	taccgggtgat	ggcggagttc	420
aaggaaatcg	attcctgcac	acgtaccagc	gcacgcgaac	atcgcaatgt	gaacgaggct	480
ttcttccctt	gtcaaaaagc	cgtcaccac	ccgatcgccc	cgctgttcga	ttcgaaggag	540
tccgctctga	agccagcagc	ggtcgcggcc	ttacaacgca	ttttctactt	gagcgacaag	600
gatcgagatg	ggtatctttc	ggataaagaa	atctaa			636

<210> 6144
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 6144
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 gaagatccca cgctcatccc tttttctctt tggcccttca gtcattgtat atcaaacttc 120
 tatgagtgtg ttgatgcctc atcagatatc agtaagtatg gtaactcaca agtcaaccct 180
 aagaaactac tccagactgt aaatccgtga 210

<210> 6145
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 6145
 atccatccaa tagatgttgc aatcatcctg ctggaccctg gtccctcctc aacctctgac 60
 ttctcgcagc cttccatctc ctcaggggct gcctcggact ccggtcaagc ccagatgacc 120
 ctgattaatt ttctcgttg gtttatgcag ttaactctact atgagtacaa tgtatcccg 180
 acactcggct cctaa 195

<210> 6146
 <211> 777
 <212> DNA
 <213> A.fumigatus

<400> 6146
 acgccattct cattccatcc caccatcaca atgtaccacc gcagtgcatt cggcctcggt 60
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 caaatgggct ggaattcatg gaacaccttc aagtcacaga tcaacagttc ggtaatcgag 180
 aacaccgtcc agctgttcga gcacctcggc ctcaaagacg tgggctacga gtatatcctc 240
 ctggatgagg gatgggtccga ttactcggc accgcagacg gataccttca gcccaacctg 300
 acctcgttcc cgaacggcat caagccgctt atagacgata tccacgcaaa ggggctgaag 360
 attggtttgt atggcgatag cgggataccta acctgcccgt ttccggcccg aagctggagc 420
 tacgaggagc gggatgcgca gacgctcgcc cgctggggcg tggattactg gaagtatgac 480
 aactgcggcg gattccaggc catgactgag ccgcgcgagg tgcgctttgg gatcatgcaa 540
 aaggcgctgg agctgtctgg gcggcagatc ttctactcgg tctgtgaatg gggctatcag 600
 tttccgtggc actggggagg gagtacgttc taccacccat ccgcaacttc tggaaagtgg 660
 cttaaagaaac gcagagatcg gccattccta tcgcatgtcg ggcgacatca ccgccaatt 720
 caccaacgag accggcagcg ccgtattcgc ccacaggggc tggaggagacc gcaaatac 777

<210> 6147
 <211> 597
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (205)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6147
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 actcgggtata aatggacctt cgcggaagcc aaccttctca tctcattcaa accggctttg 120
 acaatcccac tcttctgtt catcctgccg gcgctctctc ggcatctcct tcgcagcatg 180

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<210> 6148

<211> 1428

<212> DNA

<213> A.fumigatus

<400> 6148

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<210> 6149

<211> 186

<212> DNA

<213> A.fumigatus

<400> 6149

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<210> 6150

<211> 318

<212> DNA

<213> A.fumigatus

<400> 6150

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catgttccctg	attctgcgca	ggctaataa	aaggatatag	gaattccgga	accttcccgg	180
cagctagttt	tcgaggagtt	catcaactcg	ccccgagaat	acaagcacga	tggcctgccc	240
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<210> 6151

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6151

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aagctcgccg	gttccctctaa	gcccaggcgg	gaagcgtttc	tcgagtattc	aagcgcaatc	180
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<210> 6152

<211> 1809

<212> DNA

<213> A.fumigatus

<400> 6152

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<210> 6153
 <211> 666
 <212> DNA
 <213> A.fumigatus

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acatgcaggt acagtcatta tcacgccaat tttgtaccat cacagctaac catttcaggc   360
gctatgtgga tcaggagaag cttcgggaaac gaccactgt atcatactgt tggtcaggca   420
tatatcgata cgcttttgca gaaaggggtt aatttcgaat gcttcattga agggggacgg   480
tcacggacgg gcaagctctt gtcacaaaaa ttcggtatcc tgaatttcac tgtggacagc   540
ctgctatcag gacgggttga agacaccatt atttgtcccg tgagcacgca gtatgacaag   600
gtcatcgaga ccgagtatgg caccacagaa cgtatggttc cctgtcacat tcttctgaca   660
cattaa
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<210> 6154
 <211> 399
 <212> DNA
 <213> A.fumigatus

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ctggagaaaa cactgcgagg gctagaaaag gatgaagtca ttacgggtctc cagagattcc   180
tccgggaagc cactatttgt tgaacttagt gatgctgagc gtcagcgggg aagagagaac   240
tacgacttct actgtttcct tatttggcct ttcattgagg cggcctggct tggcgagtg   300
tccctcatgg ggcttactcc gcctctggat gggccaaaag acgtttggat cgatcaaaag   360
aaggcgcaag atagtgcaca gatcgtaagt gttttttga   399
```

<210> 6155
 <211> 273
 <212> DNA
 <213> A.fumigatus

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<400> 6155
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caagaagcag cgaagaagaa gcaatctatc gtctttttgc cctgccacaa gtctcatgta   120
gactacgtgt cgctgcagct tatctgctat cgtctgggaa ttggcttgcc gatcgctgtg   180
gccggcgact atctcaacat tccgttactc ggcccttttc tacaacatgc aggtacagtc   240
attatcacgc caattttgta ccatcacagc taa   273
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<210> 6156
 <211> 768
 <212> DNA
 <213> A.fumigatus

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<400> 6156
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ttggctgacc ttctttctgtc gtcttctgtt ctgtcattga agttgggtcg ggtcgatgtt   180
cggttccatg agccatggag tctgcgagaa ttcacacgc agcaactgag tcggttgccc   240
aaccagatcg acgcaaagtc tggtcagaaa ctacagctacg cagaaagagg acgcattctg   300
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<210> 6157

<211> 1848

<212> DNA

<213> A.fumigatus

<400> 6157

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<210> 6158

<211> 747

<212> DNA

<213> A.fumigatus

<400> 6158

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gatcgttgca	aagtaaagaa	tatatgtcgc	ggccgcttgc	gccacatcgg	acagaatcct	180

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gatgaccaga  atcggcgacc  aaggatattg  aacagaagac  aaagggatga  acgcagtttc  360
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<210> 6159

<211> 1647

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (537), (686)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6159

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<210> 6160

<211> 1398

<212> DNA

<213> A.fumigatus

<400> 6160

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gtcccgcgaa	aggaaaaccg	aacgatcacc	gttcccctgt	ttagtcgatg	ggagactgct	720
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aaatcgactt	tcgtgcagat	cctgcgatca	ttgcctccga	actcggcgat	cgccccggcg	840
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aacgtccgca	gtcagtcgga	gggcaagcag	cgcaaacagc	aaaagcacca	ggagctgggc	1200
ccgtacaagt	tcaccaccca	gcaactcgag	aaggagggtg	tcattcggaa	gagcaacgta	1260
cgggagaatc	ggcgagccaa	catttacttc	atgttcaaga	gcctctctcc	tggtaccttt	1320
gtcatcagtc	ttcattacaa	aggtaagtgc	ggcctgcagc	cttccatttg	ttgtgattta	1380
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<210> 6161

<211> 747

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (286), (555)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6161

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gttccgagta	taggctccta	tcacctcggc	cataatagtt	tgtctgacat	tcggaacggc	180
ggacacttcg	ggatttcagt	caagcgagag	agtgcgaggg	attcgaggcc	agccggtcgg	240
atctcgaatg	tcctccacga	gtcactgcct	gttggcgcg	agctgnacgt	gagcatgcca	300
ttcggtgact	tcgtgctcga	tctgaacgcc	accactccag	ccgtgctaata	cagcggcggc	360
gtgggcttga	cgcccatgat	gtcgatgtta	aaaagcatcg	tgagccaaca	aggccaatct	420
cggcgtgttg	tgtttatcca	tgcagcccga	aatggctcgc	tcacacccat	gaaaaccgat	480
ctgaaccgga	tcgtggctga	aaatccgacc	gttagccgca	tcgtcttcta	tgaaaatgcc	540
accgaagatg	atacncaggg	tgtggactac	gattatacgg	ggcgtgtgga	tttgactcag	600
atcaaagaca	aggctgttct	gccggatgca	gactactaca	tctgcggggc	gcagcctttc	660
atgaaggccc	agagccagag	cttgggaagct	ctgggcgtgg	ctccggaccg	catccacatg	720
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<210> 6162

<211> 198

<212> DNA

<213> A.fumigatus

<400> 6162
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 aacatcatgc ctacatcaga cgaggaaatc gtcaatatgc tattgttgac tagcctcaga 120
 aagtctcccg aagatggcta tggtagaccc aggatgactg ggaagcacat accagaccag 180
 ggaggtgttg ctgaatga 198

<210> 6163
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6163
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 atttcgacat ccattaagct caccgtagca tcacagaatg gccaccctc gacttcagcc 120
 ccatgttgct ccaacacccc caagctagtc attcccgaca tcaaaatctt caattccgca 180
 ctggggccgcc aactcaaccc acccccgata tccacttcat catga 225

<210> 6164
 <211> 588
 <212> DNA
 <213> A.fumigatus

<400> 6164
 ttgaatccta ttgggtcgat tagcaaagta gacctcaaaa agttcatcgc gtgggctcgc 60
 gattcattcg atctcccaat tctgcacgat ttcttaacag caaccccaac cgccgagttg 120
 gagcctatta cagctactta cgtccagtcg gacgaggccg acatgggctg gacatacgcc 180
 gaactaggca ccttcggcta cctgcgcaag gtcgcaaaac tgggaccctg gtcaatgtac 240
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 cgtcactttt tctaccacta tgctattaac cggcacaaga tgactgtctt aacgcccagc 360
 taccatgcgg agcaatactc ccccgaagat aacagacacg atcttcgtca gtttttgtgt 420
 cagttactct ccagcaccca cggctcttct gctagggtta atgctgactt gtgtcttcta 480
 gatcccccg tccatggggc ctacaagaag atggaagaga gcgttaagta ctgggaatcc 540
 aaagggtgga ctgctggcaa ggcacagaag aagagcgtca aggcagac 588

<210> 6165
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 6165
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 actgttgtga ctgccatcac aaacttatcc actgtgatca caaatttcca gcgcgggttc 180
 aaagtccatg gcggtactgg agccgaaaat gccgcgttac agaatgtcca ggctcgtttg 240
 agaatgggtc tgtcgtactt gtttgcttcg ctgctcccaa ctgttcgtca acgtccaggt 300
 ggaggtggac tacttgtgct cgcattctcc aatgtagacg gtaagatatt ctctcgactt 360
 catctgttaa gagtccaagc ccactaa 387

<210> 6166
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 6166
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 ctcaaatctg gagctggcga tgggcagctt cacttctacc tctacaacta tcgcaccgcc 120

cctgttcctg gaggagttaa cgagaagaac ctgccggatg agaaaagaat gggaggcggtt 180
ggcatcgtaa tgctgtaa 198

<210> 6167
<211> 1014
<212> DNA
<213> A.fumigatus

<400> 6167
gctgcaggag ctgtgggatt tgttgacgta tctactacgta gaggacgaca atgccatggt 60
ccggttcaga tattcgcagt cgttcctaca ctgggtgggtg cacaacgcgg ccgagggatc 120
tgttttctcac cggcttgagg ggggtgtggat tatttgagcg ctgacaattt tgaccgtagg 180
gctcttatgt cgcctggctg gaaaaaggaa tggcatgtcg gtgtccgcgc tacgaagtgc 240
cgcaaactgg tagcgtccat ttgcgggtgtc ccgacagaga tcaatgtgcg caatcaaaag 300
ctcaaggctg tcgagatcaa ttctctctgc atccacaaga agctccgctc gaagcgcttg 360
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cctttggact ggttgaagct ttacgaggtc ggcttctcgc ctctccctgc cggatccacc 540
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cccatggagc ccaaagacat tgacacagtg catgatcttt tgcagcgata cttgtcgcgg 660
tttgcgctga accaggcctt tacgcgagag gaagtggacc attggctcgt gcacaagccg 720
gagacgggtga aagagcaggt catctgggca tacgtggtag aggaccctga aacgcacaag 780
atcacccgact tcttttctct ctacaacctc gaatccaccg tcattcagaa tcccaagcat 840
gacaatgtgc gtgctgctta cctgtactac tatgcaaccg aaacagcttt caccaataac 900
atgaaggctc tcaaagagcg tctgtctgat ctgatgaatg acgctctgat cctggctaag 960
aaggtaacta cagggatcca ctgccatttc cctggagttg acttacgaag ctga 1014

<210> 6168
<211> 708
<212> DNA
<213> A.fumigatus

<400> 6168
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ctcctcgctc tccacactct agaggtaatg tcgaactcta aggatcgcaa aggcaaggcc 180
cccaggggcc aatcttccga aaagaaagat ggcgcggtga acataacccc tcagatggcg 240
gagtcgctat tggaaaacaa ccccgctctc aggaacgaga cggccggcat ggacaaagac 300
aaggcggcgg aggcaatgcg caaaatgaac attgccgaat tgctgacagg cttgtcagtt 360
tccgggaaga accagaagga tatggcttcg tacaagtttt ggcaaacgca gcctgtgcc 420
cgattcgatg agacgagtag cgatactggg ggccttatca agatcattga tcctgaaaag 480
gtctcaaagg aaccggatgc gctgcttgaa ggatttgaat gggcgacact cgacctgaca 540
aacgagactg agctgcagga gctgtgggat ttgttgacgt atcactacgt agaggacgac 600
aatgccatgt tccggttcag atattcgcag tcttctctac actggtgggt gcacaacgcg 660
gccgagggat ctgtttctca ccggttggg aggggtgtgga ttatttga 708

<210> 6169
<211> 450
<212> DNA
<213> A.fumigatus

<400> 6169
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gataggatgg aggaagttaa ggctgctttg aaggatcacc tgaaaatcga gaaccctagc 120
gacgccgaat gccaggccgt caaagtcctg gtgcatgcca ttggcaagcg tgctgctcgc 180
ctcagcgctg tgccacttgc tgcgatcctc atttccaccg gtaaaactgga gacggatgat 240

atgggtcgaca	tcggtgtgga	tggaagtctg	gtcagagttct	accctaactt	tgaggggatac	300
attcgcgagg	ctctgcggga	ggccccctgaa	gtgggtgctg	ctggcgagaa	gaaagtgcgt	360
attggcattt	ccaaagacgg	cagtggagtc	gggtgctgcc	tgattgctct	tggtgccagc	420
aggaatgaaa	ctggatctgg	gccgaaatag				450

<210> 6170

<211> 186

<212> DNA

<213> A.fumigatus

<400> 6170

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gtgttgagg	ttaaactaga	taaagaccca	accctccgtc	cactttactg	tgagtctgtg	120
tctgttattg	tggaatattt	gtgcttggtt	aatcctggga	gagcttatgg	ttattgtaca	180
tggtga						186

<210> 6171

<211> 1344

<212> DNA

<213> A.fumigatus

<400> 6171

aggatgtcgc	tactcattcc	tggttaaagtc	gtaaaggctg	atatttcagg	tcgaatcacc	60
accaacggaa	cgtcggttgt	ggcactgggt	gcctcgactg	tgatataatt	ctttgacacc	120
cagacatcct	acagatatcc	cgatgagacc	gagcgagatt	cggcgggtcaa	gaaacagcta	180
gatgctgcag	taaaattaaa	ttaccacgca	gtgaagcaag	ctgcaacctc	agattaccag	240
tctctttctg	gccgcgtcaa	actggacctg	gggttcgtcg	gatccgcggg	aaatcagccc	300
acggacatca	gactcacgaa	ctacaaaacc	aatcccaacg	gggaccccga	gttagtgacc	360
ttgatgttca	actttgggtg	acactccctc	atcgcatctt	cccgcgaagg	atcgatcatc	420
ggctctcccg	ccaaccttca	gggtatctgg	aaccaggatt	actcgcccg	ctggggaggc	480
aaatacaccg	tcgacgtcaa	cctggagatg	aactactggc	atgcacaagt	caccaatctt	540
gcagacacat	ttgagcccgt	cattgatctg	atggacaaa	ttctcccaca	cggacaggac	600
gtcgccagga	aaatgtacca	ctgcgacacg	gggtatatcc	tgaccacaa	caccgacctg	660
tggggagatg	ctgctcccgt	cgacaatgga	acaaagtggg	ccatgtggcc	gatggggagt	720
gcctgggtgt	cgatgaacct	gatggaccaa	taccgcttca	cgcaagacaa	gacgctcttg	780
cgagagcggg	tctggccggt	cctcaaaaag	gcagcgagatt	tctactactg	ctacctcttc	840
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cccgaggata	tgactctcgc	gggtaaaatcc	acaggaatcg	atcttgcccc	cacaatggac	960
aaccttctac	tccatgagct	tttctctgcc	gtaatcgaaa	cctgcaaggc	cctcgatatc	1020
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cagaccctgg	caaacgcagc	caaggtcctc	ctcgaccacc	gcatcacctc	cggcagcggc	1260
agcacaggct	ggtcacgcgc	atggacaatg	agtctctacg	cccgtctctt	cgacggcaac	1320
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<210> 6172

<211> 636

<212> DNA

<213> A.fumigatus

<400> 6172

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gatctcatgg	gcggcgccga	tggtccggca	acgaaccggg	cggccaatgg	atctcagaac	120
acggcagacg	tacttgccga	catectcggt	ggagactctg	gcatctcttc	gcccgcgccg	180
caagctgcac	acgcacctgc	ccaatcagtc	aacacgagcg	ccatcatgga	cctgttcggc	240

tcaaacggag	caacccccctc	accacgcccc	gcgagcgccg	catccgcac	tgtggatata	300
cttggaggac	tgggatccgc	gccatcccc	gcaccatccc	catcgccgc	agcggccat	360
acagcgtaga	acaagaacga	tcttactctt	actttgcagg	tacagcgagc	tggatcatgg	420
aatgcacaga	tccaggcccg	tttccgcaac	gtctccgact	ttagtcaatt	ctcccatgtc	480
ggcttacaag	ccgcgggtgc	caaaagtcaa	cggcttcaac	tcagcgcgat	caacaaatct	540
gagctttctg	caggagacga	aggcgtgcag	atgctaaaga	ttgcagccat	cagtgggtga	600
agtttgtcgg	cattttacaa	gtcaactcct	ggctaa			636

<210> 6173

<211> 363

<212> DNA

<213> A.fumigatus

<400> 6173

atgtatggaa	tgtatcactt	ccacagtcgt	agtagtcata	gtggggcgac	atctccgcac	60
gagcttcttg	tctacctcca	actttctcac	accagaacct	tcagcagtct	tcaccacctc	120
aacactcaac	tagacaacct	cccagtaacc	ctaaccatgg	cccaaacaat	ccgcatccct	180
atccgaaccg	aaaaggcccc	cctcccaccc	ccattcctct	ctcaaggaat	caaagtaggg	240
aacatgatct	actgctccgg	gcaagtcggc	gtggatccta	caacggggaa	gatgggtggg	300
ggccccatac	aagcgcgcac	tgtactttca	ctctccccct	cctctacgat	actacaaaga	360
tga						363

<210> 6174

<211> 216

<212> DNA

<213> A.fumigatus

<400> 6174

aacgatggaa	ctaaggcaac	gcagaagcaa	atcctacata	atctctccgc	tgtcctggaa	60
gcaggcggat	caagtctgca	agacgtggtc	aaggtgaata	tcttctctgc	tgatatgggg	120
gactttgccc	ctgtgaatga	agtctatcag	gcgcggtttg	gggagccgaa	gccgggtagt	180
ttcctttctat	ccgttttgct	ctgcgttttg	agatga			216

<210> 6175

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 6175

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cctcacgtag	actcgaatcc	cggacgagcc	atcgagggtg	gacagtggaa	accacagtca	180
gcgcccagga	cacacgctcg	acatggaatg	tcgtttttgt	cttggatggc	tcctttcctg	240
cccgtttggc	tcaccagcgc	gacaaatagc	gatacaaac	caaacacaaa	ctcaaatgaa	300
aagcagcgac	agcgtacctg	gccgacggca	tacctcgatg	gattgcgagg	gtttgccgct	360
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gccttcgagc	tagcctacgg	ttacgacaac	aagtaactat	tcgcagtgc	tcggggggtt	480
cgaaccatct	tcgccggggg	tcattttgcc	gtcagcgtct	tcttcgtgct	gtccgggtac	540
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aacctttcct	cggcgggtgt	tcgccgatgg	tttcgtctct	atatcccggg	catttgcaca	660
acatttggct	acctgacctt	cttgcatctg	tttaagattc	gcacgatccc	agagtttcag	720
ggaaatctacc	gctcgagctt	ctggagctgg	tacgtgaat	tcaagaattt	caccttcggt	780
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gagtatcgcg	gctctctggt	ggtttacacc	gctgcgctcg	cttttgcaag	gtttcgccgc	900
aacgcccggc	tgatcggcga	ggtcgcgctg	gtcggatacc	ttttgtacat	tgccggatggg	960
gcgcactttg	ccatgtttgt	tgctggcatg	ctcctccgag	atctcgatct	cctcgccatg	1020

cgcaacgact tgcccggctt tttccgcgc ctggagccct tcaagtccgt gatgatgact 1080
ggactctttt aa 1092

<210> 6176
<211> 1317
<212> DNA
<213> A.fumigatus

<400> 6176
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gacacgaagg caacaaacac taacggaagg attcaactcg atcttctgca gttggtccaa 120
agagactatc acctgcgaag ttacacgttg aactccgtat cttacgagtt ccttaaggag 180
cagaaagagg atgtccatca tacgatgatc acggaattgt tcaatggaac cccagactcg 240
aggcggcgat tagccgtgta ttgtttgaag gatgcgtact tgccacaacg gttgatggac 300
aagctgatgt gcttgggtcaa ttatactgag atggcgagag tcacgggctg accattcaac 360
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gagcaacagc ttgtcatccc gaatataaag tcgacggatg aacaagacta cgaaggggct 480
accgttattg aaccaattcg cgggtactac ggtgttccga ttgcaaccct tgatttcgag 540
tctctatatc cttcgattat ccaagcacat aacctatgct acacgactct gctaaacaag 600
aatattgttg agaaactgaa gctcaagaaa gatgaagact acattgttac tccgaacggc 660
gacatgttct gcacaacaaa agtgcgcaaa ggccctctat cgcaaattct ggaagaattg 720
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gcagtgtgta acggaagaca gcttgccctg aaggtcagcg ccaacagtgt gtatggctct 840
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tccaagtttc ccaaaccaat caaactcgag tttgagaagg tctacttccc ctatcttcta 1140
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gatacaaaaag gtattgaaac cgtccgtaga gataactgtc tggttggttca aaatgtcatc 1260
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<210> 6177
<211> 360
<212> DNA
<213> A.fumigatus

<400> 6177
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tatggagaat cgaaaccatt cattcgaaat gttttcgttc tggatacttg tagcttgatt 120
gtgaacacgc agatcttgga attcgacaaa gaggagaaaa tgttgatggc ttggcgcgac 180
ttccttgaga aggtcgatcc cgatgtgata atcggatata acatcgccaa cttcgatttt 240
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<210> 6178
<211> 1110
<212> DNA
<213> A.fumigatus

<400> 6178
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cccttgatcat cgctcaagga cccatccgct ttcgggccac caccgaaaca cattgcagtc 120
catggacctg gtgcggttcc aaatcagacg acgccggatc gcaggggatt aggggcgcct 180
ctatctcagg aagagatcca gcacgcacag gccaggcagc aggagcagaa tcgggcagag 240
gaagccgaac ccccaaaacc agctggtccg ccgctgccct accgagtgaac tacgacgggt 300

ataaatacag	ataatcttcc	acctcctccc	gcccgaagat	tgcactcgcc	agcaagttca	360
gtttcctctg	cggggtctag	gccagtgcgc	agtgtaccac	ctccggttcc	tcctcgcag	420
aactctacta	cacagtcgca	cccagcaacc	cctccccag	catattcccc	atcagaaacg	480
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gccggtccag	cctcagtcaa	tgagcttcaa	gctcgcttct	cgaaatgag	gacgagctta	660
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ttatcgacag	catctccaca	tagcaacttg	cacgagcggc	acaacgataa	acttcaagca	780
ggcaaagaac	gagtcacagga	cctaaatgac	aaatacaaga	tcactcaacg	cttcaataac	840
tttgtcgacg	agaaaaggtc	ggcaaacaca	tccatctcat	cccagcaatt	cgggttccct	900
cctacacccc	cgcaccctga	togaagccag	ccttcacccg	actcagtaga	actagacgca	960
ttgaaccggc	gaaaggcccc	accaccggcg	cctcccaaga	aagcagcgat	gcgatcaaca	1020
cctgtcaacg	ccccttcttc	aacgtcacct	gtgccgcgcg	cgctcccgtc	gagtacccaa	1080
cccgcccgag	cggagggttag	gtataactga				1110

<210> 6179

<211> 1308

<212> DNA

<213> A.fumigatus

<400> 6179						
agccccgctg	atcgtgtaga	tgacaactgt	tattcggacg	ccgcgaccaa	ctacccta	60
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gcccgtgtcg	gccgaccaat	cctcttccaa	atctgcgaat	ggggatcga	ctttcccgct	180
ctttggggccc	ctgcgctcgg	gaactcctgg	cgcacggcca	acgacatcat	ccccgcgtgg	240
cgaagtatct	tccgcacgct	gaaccaggcc	gtcgccaaca	cggatttcgc	tggaccgggt	300
cagtgggcag	atctggatat	gctgtatgtg	ggcaacgggg	tgttttcttt	gccggaggag	360
cagacgcact	tctcgtgtg	ggctattctc	aaaagcccat	tgactattgg	agcggcggtg	420
aaggatgatg	acacgagtat	cagccaggcg	tcggtggagg	tgctgaagca	gaaggatgtc	480
attggcttca	accaggatgc	gctgggagta	agtgcgagtc	tgaagaggag	gtggtcggat	540
gaaggctatg	aggtatggag	tggaccactg	tggggcaaca	ggacgggtgg	ggcgggtcatc	600
aattggcgca	atgagtcgag	ggatctcacg	ctcgatctgc	ctgatgttgg	tctgcagtat	660
gcccaagttg	ccaggaatat	ttggggcaag	accgtgggtc	gtgatgtgcg	aacatcgta	720
acagcgggag	tggcaggaca	tgggacgatt	cttcttgagt	tgcagggtac	ccttccgtca	780
ggattatata	cggccaagat	cttcgcaaag	tgcagaggtc	aaagatccac	tttcgagta	840
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gagtcgatcc	agattacccc	accgaccggc	acctactacg	ccaacacggt	cttcaacggt	1080
accggcagcg	ccaagcacac	cacctgcggc	tgggggtgca	gccccgtggg	ctcgaaaatt	1140
ggatacctca	gtcccaccag	caacgcctac	acatctatct	caacgaccac	cgcgggggtc	1200
aagtacctcg	cgatcgacta	catcaacaat	gaagtgcgct	tttcgtcaag	ctgggggtgg	1260
ggctctaact	cgcggtcttc	accacggggc	tgggaagggtc	cgcgcctt		1308

<210> 6180

<211> 447

<212> DNA

<213> A.fumigatus

<400> 6180						
ctggccagat	ggaactcgta	caactactac	tcatgctcgc	ctaacgaagc	cataatagcg	60
tccaacgcca	aagcgctcgt	tgatctagga	ctcgccgaat	taggctaccg	ctatgtgacc	120
accgactgtg	ggtggtcggt	ggccgatcgg	ctgcccgaat	gcaccttaac	ctggaacgag	180
acctgttttc	cgagcgggctt	tcccgcctatg	ggagaatatc	ttcacgaatt	agggctgctg	240
ttcggcggtt	atggggactc	gggaaccaag	ttgtgcggga	gtcccccaga	ccaagttggc	300
agcttgtgta	agtccccatc	atccatgatt	cttaccttgg	ctaattgtacc	agaccacgag	360

gaacaggatg cgaaaacgtt cgctgaatgg ggagcggatt cgctcaagtg tatgtctgtc 420
 tgcccattaa agatgaagcc ccgctga 447

<210> 6181
 <211> 519
 <212> DNA
 <213> A.fumigatus

<400> 6181
 gcgacagcca aacacttctt cgacgacccg aatcacctgg tccagacggc tctccattcc 60
 ctgacactca caaatccatc gctggcggtt gattcgaaac acaagggtat tttccgtcgg 120
 ccggatgcat ccagaaaacc caaggtggcc atcatctcag gcggagggtc cggcatgag 180
 cctgcgtttg cgggctatgt cggccatgga ctcatggacg cgtctgtcgc ggggagcatc 240
 ttgcctcttc cgtctgccga acagattcgc catgccgcca tgaactgcgt cgacaatgaa 300
 aagggcggtg tgatcatacc tatgaactac actggcgacg ttctcaactt tggcatggct 360
 gccgagaagt cgcgggctgc aggaatcaag accgagttct ttgccatcaa cgatgacgcg 420
 ggcgtcggca gaaagaaggg cggaaaagtt ggtcgtcgcg gtatcgggtg tggcatcctc 480
 atcttgaaga ttgtcggagc cttggcggag actgggtaa 519

<210> 6182
 <211> 714
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (683)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6182
 accgtcttgt gcagagcatc cctcgaagac gtctaccgcg ttgctcaact agcaaacgct 60
 aaccttgcgt ctgtgggttc gtccttggag cactccata tcccgggtag aggagtcca 120
 gaggatgtca tccctgatgg ggaagtggag gtccgaatgg gcattcacia cgaaccggg 180
 tcccaccgga tgaagttttc ccttccagag gtgatcaaga cgatgctctt gcagatcctg 240
 gatcacaacg acccagaccg cgctttcctg acctaccagc caggcgatca gttcgtgctg 300
 cttatcaaca acctgggtgg cgtcagtacc ctcgaaactgt cgggtatcac tgacgaagta 360
 taccgccagc tcaccaaaga tttccacatc aagcctgtgc gaatcattca aggaaccttc 420
 ctgaccagtc tcaacgggact gggcttcagt gtttcaactac tgaagctcgc ggatacggga 480
 ctgggtcctg gcaagtctat gctcgagctc ctcgatgcgc ctgccgaagc agtgggctgg 540
 tctgctcta tccgcacatc gacctgggag gcacaccagt ccgatgctcc cgtgcaggtc 600
 aagagcacca agcttgctga agatcaaccg accaacaatca accgtaagtt taaaattgtg 660
 cctcaccagc ccgctaaaag ganccgattt ggcgaaaccac ccgagaaaaga ggta 714

<210> 6183
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 6183
 agtggacaaa agtcggggga tatacagatc gccgactact cccccgatt cgaggatgcc 60
 gctggacctc cagagagact accctctctc gctttaaata atctgtcggc aactgtctcg 120
 cgcgggatga gttccaatcc gacaatgtct gggcgatatt cccctcaat tgacgccaac 180
 cccggccggg gatggacttg gtaa 204

<210> 6184
 <211> 462

<212> DNA

<213> A.fumigatus

<400> 6184

cggccctgcg	gtaaaaaaaa	acagtcggct	cggtcacta	cgagtcgagc	ccagcttcaa	60
agtgtccaga	tgcaagtga	tgaggcattt	tcgatgcgta	agatccaagg	cagtctgaag	120
aaatcgactg	gaattatga	ggacgtcaat	acattgggtcc	gactgcctga	attgacagga	180
accatgcggc	aactggcgac	ggaactgggtg	cgtgccggta	tcattgaaga	gatggtggac	240
gacgcgatac	ccaacaatga	actctatgaa	gacgaagaag	atgaagccga	ggcgggaagtc	300
gacaaggttc	tacaggagat	cttgcagggc	aagctttccc	aggccggaga	ggtcaaagct	360
gaagaaccag	cagaaggaga	gccggctatt	gaggaccaga	tgggaagatca	agaagcggcc	420
ctggaacaga	tgagaggccg	attggaagct	ctgaaaagct	ga		462

<210> 6185

<211> 360

<212> DNA

<213> A.fumigatus

<400> 6185

acctctcact	ctccaatccg	gaccactcat	tcaagctcaa	caacaatgtc	taccaagctg	60
gacaagtctc	tcgacgagat	cctcgtaaac	cgtcgtcaaa	acgctcgccg	ccgcactcgt	120
cgaccagctg	cttcaaagcc	tggcagtgct	gccgttccag	ttggaggagt	gaagaagaat	180
gcaaaggctg	ccaaacctgt	tgcaaagggc	gctcaggggtg	gacaccgggt	cgcaacagag	240
agcaagatca	tggtcagcgg	cttggttaagt	ttccacttac	gctccgagct	tgtaatgtgc	300
ggatatgcta	actccctcaa	gccctctgat	gtgaatgagg	ccaatatcaa	ggtatgttga	360

<210> 6186

<211> 1047

<212> DNA

<213> A.fumigatus

<400> 6186

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atttcgcgcc	tgggttcgta	ttatcgcttg	acaccttgca	ccgtcctact	tcaatgcgga	120
gggactatca	cggtcttcgc	tgaatatact	aatgatcaat	tgacatatct	gttatgcacc	180
ttatactctg	attgcaccaa	ctacaccatg	tcaacccoct	ccacaccgcg	gacggcgcgc	240
tcagcgtcgg	agagtggcac	ccccatcctt	acaccaggaa	gaaagatcag	ggccatcctg	300
gccgctttcg	atagcgattc	agagtcagac	aatgccaaaca	acaaacagcg	aacgatacag	360
aagccagttg	aaaccatgaa	tgatgtggaa	agcgaagacg	acgatgacga	cgacattgtg	420
aagcctaagg	gccggctagc	ggctcgtatg	caagcgcgatg	atcagacaag	cgctagccca	480
ccagtgcagg	aacgaacggc	attcgaccgt	gtttcgaagt	tcttacgagc	cgaaagagag	540
cagtccaagg	aaggcgagca	agcgcgtctt	gaatctgctt	ctgcttcgga	ggacgaggat	600
gaccttccta	aggctgggtc	taggaggagg	cgcaatgtaa	gaaagacacc	ggagccaggt	660
gagaacaaca	cgtctgcctc	gtcgtctcgc	gctcggtcct	tttccctctt	ttttatgtcc	720
tccccgcgcg	cgcagcgcaa	tgaggcactt	tcagacgcag	aggcgaatga	tgacgatgaa	780
gaggatttga	aggccgaccc	tcgtgttcgc	gcgctcatta	tgcagaagcg	gaaggagcgc	840
gaagaaaagg	aaaggctcga	agcggagaag	cagaccgcgc	ggctgggtca	gagggatcag	900
tttagctcgg	aaatcgcttc	ggtcgaagat	attgatgagg	aagaagctgg	acggaagcta	960
acacagcaac	ggcccgcgtg	tcgtaaggct	agccaaaaaa	gctttgggaa	ggagatggaa	1020
cccgcgaaac	gccagagaat	ccgcagg				1047

<210> 6187

<211> 480

<212> DNA

<213> A.fumigatus

<400> 6187

tggcacttgc	agttggagtt	ggcggaactg	atgggaccaa	agctcgcttt	cagcacccaa	60
ccttcgaaac	ctcgcaagga	gaagtcggat	tatgagcgcc	tcgctgagtt	gaacctgcgc	120
ggccagaaac	tgaacaccga	aagtgtgcgt	cgtgcccagc	tcgaggagag	aaaggcgagt	180
cggaagcag	ctgcagcagt	tgctcgtggt	gaagctcaag	ccaatccatt	catgcgtggt	240
cgcacctcg	ccaagaccca	ctacgatgcc	aacggaaaca	gcctgatacc	ggactcactg	300
tccagccgcg	gcggaactcc	tgctacagga	tctgagacgc	catctaagcc	cagtacgcct	360
aagcctgccg	tcactacaca	aaagaagcaa	tcgaagggtg	gcattgggtc	gatccgtcat	420
cgcaatatgg	acgacgagaa	tattgcggcc	ctggacctgg	agttggatat	tgaaatctga	480

<210> 6188

<211> 1491

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1219), (1241), (1263), (1271), (1279), (1389), (1419)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6188

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tcgccgaatg	acttccccgg	acccatgacc	aagcgacgga	aacacagcaa	ttccggccgc	120
cttccgtcag	atctgaccat	gaccaagctt	gagaacggac	agtcactctg	gggtgggtcc	180
aattcagggg	tcttaggaaa	cgacacttct	ttcaatgcgg	cacgtgggtt	tgctccccg	240
gcggagaggg	cctttgtgac	accgtccgcc	atgtcgggtc	agttcgccaa	ccggccacca	300
acaccaata	gcggagacaa	caatcctttc	ttcaatccca	gcgcgaccca	aaccagcttg	360
gatacattca	ttcaacagca	gttaatgtcg	gcgccaact	cggctcagcc	tagccgccct	420
ggaacgcccg	gtaactcagc	gcgccacggt	ttccaggatc	agtccatcaa	catctcatta	480
ggctcaagca	catctactcc	cgcttggcct	cctctcacia	atgctggcaa	ccggctgcct	540
tctgtcattc	acaaggttgt	cccagcagaa	ggctccatca	caggaggcac	agaagtgcgc	600
ctgttaggaa	gtggttctta	ccctgggtatg	gaggttgtct	tcggtgatac	cctggccaca	660
acaacgactt	tttgggggtga	taagtgccta	aattgcttga	ctccgccagc	cctccagcct	720
ggcatggtgg	ctgtcgtggt	caagcatgag	catccgacat	ttggtcaaat	gcagccggct	780
cagcctctga	tgcccaagca	gcagcaattc	ttccggtacg	ttgacgacag	agagctccag	840
atgtatcgcc	ttgcacttgg	cattctgggg	cagaagctgg	gcaaccaggc	agatgcgttt	900
caaatgctc	agcagatcat	gggtagcgat	cccaaggctg	ttttcaacct	tcagaaagac	960
ttctccgccc	gttctggcgg	ccatcagcga	cagggttctg	gcctagagtc	tcagggcgaa	1020
ctcagcgatc	tggactcgaa	gatgttgacg	tatcttgaat	tcacgcacct	tgacgacaac	1080
ccgcgccgcg	cgaagtataa	ctcgcgctgc	gcgaccgggc	aaactctgct	tcatttcgcc	1140
tcaccccttag	gcctgactcg	tttcgttgcc	ggactgctcg	cccaggaggc	gaaccgggag	1200
gtacaggaca	atatcgkana	cacgccccatg	cacctggccg	ncttgcatgg	tcatgcgcac	1260
atngtgaaca	ngctgcgtnt	ggctgggtgcc	gacgttaacg	ctcgcagcat	caggggtttc	1320
actccggccg	acctaaccac	aactcttcca	acccaccaag	ctgcacttga	tccttgctcg	1380
cacaaccgnt	tccgtaccgt	tgggtcggtga	acctcgttnc	gacgcaggcc	ttacagttct	1440
tgttccctca	attccctttg	gaaatcgccc	ccggattcgg	ggatcaatga	a	1491

<210> 6189

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (54), (62), (70), (92), (114)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6189

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cntgttcacn	atatgcgcat	gaccatgcaa	gncggccagg	tgcatgggcg	tgtntccgat	120
attgtcctgt	acctccgggt	tcgctcctcg	ggcgagcagt	ccggcaacga	aacgagtcag	180
gcctaa						186

<210> 6190

<211> 1503

<212> DNA

<213> A.fumigatus

<400> 6190

acacaacatc	agaatcccga	tggtgttggt	gtaagctttt	ctcaaccacc	cgagactgat	60
aataattatt	ttaccacatc	acgccgctct	tttaaccgcc	acaatatcag	cgaacagacc	120
aagacattgg	gagacaaggc	ctggtggccg	ctcaacaatt	acaatatgcc	gaggaacgtg	180
aagaagaacc	cgcgagatgt	cactaagctc	tccgggaagc	ctctggctga	gacgatagag	240
ccatcacctg	ttctgaaaac	cctgcaggag	gggtgggtaa	cctcgccaga	tctgatagag	300
ggtgatctct	cctttactct	agaggtgatt	caaaacatga	cggtttttct	gttggcgaat	360
cccaacctga	attcaagcca	cttggtccgt	gcggatattc	tttatgatag	cctgggcgtt	420
ctcagcgccc	cgcatgctat	ggagcagagt	cgatatcagg	ggagcggcgg	cagaaaccag	480
gatacccaaa	aagaagatta	tgtcgagccc	cttcccgcga	ggagtgtacc	tggattcgaa	540
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gaacagacct	gtcattttta	cgaggcggat	gaacttcccc	caacatctaa	cagtacaaac	660
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atttacctgc	cgcatgtctc	gtccaaggag	gagatgccat	ggtaccaccc	cttgctacga	780
tcattggcct	ttctgtatga	gtttacaccc	aatgcctttc	cacattcatc	cgaagagaat	840
aaaggaaccg	ggataatgtc	ggtgcacttc	cttccctacg	aggaagaacc	gatccagaac	900
cgtctagagc	gcaccctgct	cgcgctgttg	agtactcata	tccggcttgc	tcgtcagacg	960
cgcttgagcg	aaaagccaga	aagagggaac	tacaaccgcg	ccaaagataa	cgtgatacca	1020
aagcacctcg	tgcaagacac	ctatgcccga	ctcaaattga	agtatgccgc	ggacctctgt	1080
caaaattggg	tggaggatac	tgaaccgacc	aagcatgttc	ttgaagactc	tcccatcacg	1140
gccttccctga	tccagttgtg	gaagaatatg	tacggaattg	ttccccccaa	tgagagaacc	1200
ccgacccaat	ggaacaggga	agtaccactt	aaattccccc	gggttcctga	atttccctgt	1260
ggaaccgggg	tccgggtcaag	ttcccctctc	ggaagggtta	catgctgggg	aattaaggcc	1320
ctcctccaaa	acacggaatt	atttccctct	tccctccgga	aaaaaatccg	ggaggaattt	1380
tctttccgaa	ccctttgcaa	attgttgcca	aaccgaaaaa	ggcttggggg	aaaaccccca	1440
gggctttttc	tggaaacctt	ccctcttcta	atctgggaaa	aaactaatct	ggggctcctt	1500
tgg						1503

<210> 6191

<211> 1527

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (762)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6191

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gccctgcctt	ccggaaccag	caatgcgccc	ccgtccaaça	cccccgttcc	agtcctctac	120
cgctacacca	acggccagca	gacgtggaag	acctggctgg	gtggccccgg	agtgcacgag	180
gctgaaggcc	tgctcagcttc	tcccgcacctc	aacggcgatc	tggcctactc	cgaaagcgcc	240
aagatgtacg	gcgcctatct	tgtcgtcact	gactacacgg	gctgggcccc	gggccacttc	300

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ggcgacagta ttcagtagct gtcggacaac ggaaccctcg tcacgatccc cggcgccagc 360
agctcctggg gctgcagtca caacaccggc attgcgttcg aggccgcgga cgaaccaccc 420
tttgccagca tctgcgccga ggaccaaggc gccatctggc tcaacaccaa gacgcaggga 480
atgtccaacg acgggggtcaa gatctccaat gagaacacca ccaacggagc ctcggttgag 540
cccatgggcg gtatgtccgg cagctacagt gctctagccc gcttcgccga cactgcccgc 600
tacatcttcg cctgggtgtc ccgggggtgcc atggacgtga cggagaacag ctggatgggt 660
gccggataca cccacgtgaa taaccggacg aacggccgca acgtcgccat tgcgcttttc 720
tccgacaagt acaccaaggt cgggtgctcag gcgacgtccc angtgggggc cgaagatggc 780
gacagtcagg tcacctggat caccagcggc tcgaacgact gctccaacgc gcacgcggct 840
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tacatcgcca tgggctgccg tggacaattt gcgggctcct tcttcagca ggtcgactcg 960
agtggcaaga aagtgggcga agctctcacc agcaccgata catacgtggc gggtgacatg 1020
gtgaccatgg ccgacggctg tgtctgctgg ccctatgtca gcatgacctg ggatctgtcc 1080
cagcctgtcg gcttctcatc ctccaccacc aagaagatga gctttgcttg tatctcgctt 1140
ggcggggcat cctcgctcgtc cagttcgtct tctgcggcat cctctgcac ttcggcctct 1200
tccgcttcta atgtagttac tctcaaccg gaggcgtcct cttcagcttc tgcgactgca 1260
acctctgaag caggagcttc ctctgaatcc gctgccgttc cttctggtgc ttctcggct 1320
tcttcgact ccactgttga caggagacc aattatgcca gcgaaccgc tgctcaggat 1380
gcgtctgtgc ccgacctaag ggatacgcag ccagcgggtg aagctgaac cccgaccca 1440
gcacctaccg cgtcatccgg caggaaaggt tctcacggac atggacacct aaagtacaag 1500
caccacctt cttgccgggc gaaataa 1527

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<210> 6192

<211> 525

<212> DNA

<213> A.fumigatus

<400> 6192

```

ccaacgaagc cctgccttcc ggaaccagca atgcgcccc gtccaacacc cccgttccag 60
tctctaccg ctacaccaac ggccagcaga cgtggaagac ctggctgggt ggccccggag 120
tgcacgaggc tgacggcctg tcagcttctc ccgacctcaa cggcgatctg gctactccg 180
aaagcgccaa gatgtacggc gcctattttg tgcactga ctacacgggc tgggcccagg 240
gccatttcg cgacagtatt cagtacgtgt cggacaacgg aacctcgtc acgatccccg 300
gcgccagcag ctctggggc tgcagtcaca acaccggcat tgcgttcgag gccgcggacg 360
aaccaccctt tgccagcatc tgcgcccagg accaaggcgc catctggctc aacaccaaga 420
cgcagggaat gtccaacgac ggggtcaaga tctccaatga gaacaccacc aacggagcct 480
cgggtgagcc catgggcggt atgtccggca gctacagtgc tctag 525

```

<210> 6193

<211> 231

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6193

```

agcgtgntc catttatccc ggcggttga cagcaccatg tcgaccggc ggtcctcctg 60
ggcttcatgt ccaagtacac atccagcagt gccgactggg cgcgatacat gcgcaatgac 120
ccgagcaaga actatacccg gaacctggtg gccgatatca gcgggcgtgc gaatctagta 180
tgtcatctat gtcactcgcg gtatctccct aatctagagg tccgggatta a 231

```

<210> 6194

<211> 396

<212> DNA

<213> A.fumigatus

<400> 6194

ctgctgtag	tctggaaccc	cgagaagggg	tcacccatcc	acgaccacgc	caacgcgcac	60
tgtatcatga	agatcctcga	tggggaactc	aacgaatcgg	tctactacac	tcccacagcg	120
gaggaccagg	actcgcccct	gaagatcaag	acgaatacga	cgtatcagcc	taacgaggtg	180
gcctatatca	gtgatcagat	tgggctgcac	cgcgttggtt	acccggccaa	agaccggctg	240
gcggtttcgt	tgcattgtac	gttcatgac	atggcatttt	ggcgagtttg	gactaacgaa	300
caacgcttag	tgtatacgcc	tccgaacgca	gcggaacttg	gatacaatat	ctacgatcca	360
ataaccggaa	aatccagtca	tgtcttccag	gcgtag			396

<210> 6195

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (112)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6195

cagttaactc	cgacggacgg	gggctggatg	ccttccgcat	taattggcca	agcgcagcgt	60
ttcaacaatg	tcccccaaaa	ggcaaaaaac	ggaaagatct	ttttgcctgt	anaagagAAC	120
cgtcttccga	aaatatacca	tgggacaagg	ccgtttgccc	ttcaacattt	tgtttccatt	180
tccccg						186

<210> 6196

<211> 1248

<212> DNA

<213> A.fumigatus

<400> 6196

acagaccagt	tactggcggg	cagccatcca	ctcctccacc	aacccccggg	aatcctccat	60
cccatacggg	ctcagcaccc	tcccgaagat	accactcttc	ctcacactgc	tcacccccaa	120
atcattcagc	agcagatcca	catacggaat	cgcatacaac	acaaagtccg	ggttccgctt	180
cccaaaccgg	ccgggatacc	gccacttgcc	aaactgggta	tgcagcgccg	tctcccacac	240
cagatccatt	tgctcgcgct	tttctccag	cttctcggca	tctacatctg	cgtggctcgtc	300
gttctcgtcg	accgcccgca	gcgcacgagg	acaccgctcc	gtcgtgcgca	acacgggact	360
ccctccaaag	aacgcagcga	tccacagcgc	ctgcacctgc	gccagcaacg	tcgtgttgat	420
cgtcatggca	atccccataa	acgccaggga	gcgttccttc	gccaacgagc	acggcaccat	480
gaagcggggc	aggcgggaagg	gatgcgcgac	gggtggcggg	gcacccggcg	cgagcggggc	540
gtagtccttg	ggcggggcgg	gctgggttgc	cagccgcggg	aaccgacgga	ggatttcttc	600
gtcggcggcg	gcgaggagat	ccgctgggat	ggggtctgct	gccaggggga	agccgcagtc	660
ggtctccaag	ccgggcggga	ggaagtcgag	gttgggggtg	gctttccagc	cggtggagca	720
gatgagggcg	tccgagggga	ggtccgtgcc	ggaggagagg	tggacggttc	cctgggcgag	780
acgggtgatg	ttggcgacgt	ggacgcgcac	ggcgccggag	cggaccagct	cgaagaagtc	840
cgttgggtag	ttgaggatgc	tgaggccgga	ggcgatccag	aaggggctga	tccagggctt	900
gagcttggcg	gtctccgggt	gggcgtcgta	gcggttcagc	tggacgacgt	cgttggcgag	960
gatgcgccaa	aacgcgtcga	cgatcttgca	cccagagccc	gtgccgtgca	ggaagcggcg	1020
gatgcgcggg	tagccgtcgg	cgggcggccc	gatgcagggg	ctgaagaagg	tcaggaggcg	1080
cgtggtgacc	agcttctcga	ggcacttctt	cagcgggggt	acgtacggcg	gcgccatcca	1140
gacgggcccg	tgaccgttct	ggcggatgac	ccagtcgacc	tgcgcgcccg	ccgtggcgggc	1200
gcgtagacg	gcgtccgtct	tcgaccacag	gggctggaag	aaccgcgc		1248

<210> 6197
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 6197
 agcgcgtttc cttccatccc ccgggttgaa gagctatgtc ctccgtatgg gctggagcag 60
 aactggtcgg atggcccgtt tgagacggcg gtgcgaacgt ggtattgggg acgggagaag 120
 gttggcccct tctctgtcgt ctggtttgat atgcttcctg ctgggcacgg caccgaggtg 180
 gtcagtgggt atgtggctgt tgggatggaa gtggtgggtg ctgtccggcc atggaaggac 240
 ggatggcagc tccatatccg ccagtgcgtg cggatgtgcc ggatgggggt cagggtgttt 300
 ataggattgg gatggaggtg gatgtga 327

<210> 6198
 <211> 513
 <212> DNA
 <213> A.fumigatus

<400> 6198
 accgctacga cgcccaccgg gagaccgcca agctcaagcc ctggatcagc cccttctgga 60
 tcgcctccgg cctcagcatc ctcaactacc caacggactt cttcgagctg gtccgctccg 120
 gcgcctgctg cgtccacgtc gccaacatca cccgtctcgc ccagggaacc gtccacctct 180
 cctccggcac ggacctcccc tccgacgccc tcatctgtct caccggctgg aaagccaccc 240
 ccaacctcga cttcctcccc cccggcttgg agaccgactg cggcttcccc tgggcccag 300
 accccatccc agcggatctc ctgcgcgcgc ccgacgaaga aatcctccgt cggttccccg 360
 ggctgcgcaa ccagcccggc ccgcccgaagg actacgcccc gctcgcgcgc gatgcccccg 420
 ccaccgtcgc gcatcccttc cgcttgcccc gcttcatggt gccgtgctcg ttggcgaggg 480
 aacgctccct ggcgtttatg gggattgcca tga 513

<210> 6199
 <211> 1095
 <212> DNA
 <213> A.fumigatus

<400> 6199
 gcgcgggttc ttccagcccc tgtggtcgaa gacggacgcc gtctacgcgg ccgccacggc 60
 gggcgcgag gtcgactggg tcatccgcca gaacggtcac gggcccgctt ggatggcgcc 120
 gccgtacgtc accccgctga agaagtggct cgagaagctg gtcaccacgc gcctcctgac 180
 cttcttcagc ccctgcatct ggggcgcgcg cgacggctac ccgcgcaccc gccgcttctt 240
 gcacggcacc gggctcgggc gcaagatcgt cgacgcgttt tggcgcatcc tcgccaacga 300
 cgtcgtccag ctgaaccgct acgacgcccc cccggagacc gccaaagctc agccctggat 360
 cagccccctt tggatcgct ccggcctcag catcctcaac taccacaacgg acttcttcga 420
 gctggtccgc tccggcgccg tgcgcgtcca cgtcgccaac atcaccgcgc tcgcccaggg 480
 aaccgtccac ctctcctccg gcacggacct cccctccgac gccctcatct gctccaccgg 540
 ctggaaagcc accccaacc tcgacttcct cccgcccggc ttggagaccg actgcggctt 600
 cccctgggccc gcagacccca tcccagcgga tctcctcgcc gccgcccagc aagaaatcct 660
 ccgtcgggtt ccgcggctgc gcaaccagcc cgccccgccc aaggactacg ccccgctcgc 720
 gccggatgcc cccgccaccg tcgcgcaccc cttccgcctg gcccgcttca tgggtgcggtg 780
 ctcgttggcg agggaaacgt ccttggcggt tatggggatt gccatgacga tcaacacgac 840
 gttgctggcg cagggtgcagg cgtgtggat cgtgcgttc tttggaggga gtcccgtgtt 900
 gcgcacgacg gagcgggtgc ctcgctgcgt gcgggcggtc gacgagaacg acgaccacgc 960
 agatgtagat gccagagaagc tggacgaaaa cgcgcagcaa atggatctgg tgtgggagac 1020
 ggcgctgcat acccagtttg gcaagtggcg gtatcccggc gggtttggga agcgggaaccc 1080
 ggactttgtg tttga 1095

<210> 6200

<211> 1239
 <212> DNA
 <213> A.fumigatus

<400> 6200
 cgcggtgttct tccagccctt gtggtcgaag acggacgccc tctacgcggc cgccacggcg 60
 ggcgcgcagg tgcactgggt catccgccag aacgggtcac ggcccgtctg gatggcgccg 120
 ccgtacgtca ccccgctgaa gaagtggctc gagaagctgg tcaccacgcg cctcctgacc 180
 ttcttcagcc cctgcatctg gggcgccgac gacggctacc cgcgcatccg ccgcttcctg 240
 caccgacccg ggctcgggag caagatcgct gacgcgtttt ggcgcatcct cgccaacgac 300
 gtcgtccagc tgaaccgcta cgacgcccac ccggagaccg ccaagctcaa gccctggatc 360
 agccccttct ggatcgccct cggcctcagc atcctcaact acccaacgga cttcttcgag 420
 ctgggtccgct ccggcgccgt gcgcgtccac gtgcgcaaca tcaccgctct cgcccaggga 480
 accgtccacc tctcctccgg caccgacctc cctccgacg cctcatctg ctccaccggc 540
 tggaaagcca cccccaacct cgacttcctc ccgcccggct tggagaccga ctgcggcttc 600
 ccttgggccc cagaccccat cccagcggat ctcttcgccc ccgcccacga agaaatcctc 660
 cgtcggttcc cgcggtgctg caaccagccc gccccgccc aggactacgc cccgctcgcg 720
 ccggatgccc ccgccaccgt cgcgcacccc ttccgcttgg cccgcttcat ggtgccgtgc 780
 tcgttggcga gggaaacgct cctggcgctt atggggattg ccatgacgat caacacgacg 840
 ttgctggcgc aggtgcaggc gctgtggatc gctgcgttct ttggaggag tcccgtgttg 900
 cgcacgacgg agcgggtgct tcgtgcgctg cgggcggctg acgagaacga cgaccacgca 960
 gatgtagatg ccgagaagct ggacgaaaag cgcgagcaaa tggatctggt gtgggagacg 1020
 gcgctgcata ccagtttgg caagtggcgg tatcccgccg ggtttgggaa gcggaacccg 1080
 gactttgtgt ttgatgcgat tccgtatgtg gatctgctgc tgaatgattt ggggggtgagc 1140
 agtgtgagga agagtggat cttcgggagg gtgctgagtc cgtatgggat ggaggattac 1200
 cgggggttgg tggaggagtg gatggctgcc cgccagtaa 1239

<210> 6201
 <211> 189
 <212> DNA
 <213> A.fumigatus
 <220>
 <221> unsure
 <222> (83), (85), (87)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6201
 ctccggcggt acagtacgtc ctcccctcac ctatctcatc taggtaatta tgtggttctg 60
 tatgagtata tcaacgcccg ccnncnccg agctcgtatt tgacgctctt ccacatcgcg 120
 gtcaataact actgcgacga ttcttccttg ctcatgatta ttactggcgc agactgcaca 180
 gactgttag 189

<210> 6202
 <211> 1233
 <212> DNA
 <213> A.fumigatus
 <220>
 <221> unsure
 <222> (1218)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6202
 ccgatgaggc atccaccctt cccgttagtt taccagttga aaacaaagtc atacactgca 60
 tgtaccaacc atctaacata caacaacttg aagactgcaa cgattcgac ggctccgac 120

gcggatgatg	acgctggctc	aaattccgat	attgaccgac	acggagtcga	tgtcgacgac	180
gcgcgtgctc	atttcctggg	ggctactgta	gacgctcgcg	atgtcaattt	ctccgatagc	240
attgccctga	aacgaaaatc	atacagaagc	aaaagccgac	gacgacgaag	aggtcctgat	300
ggggtagaag	acgtgggcca	tgccagcgac	acggaggagg	aaagcttcga	acggaaactg	360
gcccgcctgc	gcagggaagt	cgaggaattg	aaggatgaga	tggcctcacg	aaaagcaaag	420
tcggaatcca	ccgaggagcc	tgcccaagcg	gtagacgacg	gtgtgctgga	actgagccgg	480
gcgctggata	accttcatgg	gtcttctcaa	aatgcgtcag	gatcgactc	cgctgccgca	540
gtactgtccc	ggaagcttgt	gtccacatct	tcccaaggca	ttccaggcga	atccaaggga	600
gctgaccagc	cgattgacg	agaagatgca	gtgactctgt	cctccgctgg	cggttctggca	660
catgctgcag	cctttgacgg	ccggctagca	ttaattgaag	ccgccatggg	catctccagc	720
tcttccaatc	cttttggttc	tgacggcatc	tccgagccgg	cccttcagcc	cgctcctcca	780
gccctcgacc	acctcacgtc	ccgactatcc	acacttacga	atatgcttgc	cggtcccaact	840
ccggcatcag	ccgtaccgac	tactggatca	gctccaccat	cgacaacatt	cacaaccacc	900
cacctcgagg	ccctatcaag	ccgggtacga	agactgaccg	cggtatgccga	tgcactcgct	960
tcagcgcgga	tacgtgcggt	tgacgccggc	aaagccggcc	agaaagcccg	tatcgcgacc	1020
tccacgatcg	agcaggcctc	cgacatgtcc	gtgtcatccg	ggtcggggcac	agaaatcgaa	1080
caagcggtcg	ctcagcgggg	cgagcaagcc	acgaagattc	aagccctcta	cgctaacctc	1140
cccgaatatc	cagtcccttt	catcctatcc	ctaaccagcg	tggtcgaacc	gttaacgttc	1200
cctccgtggc	cttccacncc	ggggggcgcc	cat			1233

<210> 6203

<211> 570

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (561)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6203

gtgacagata	aagcggagtc	gccgtctgtc	tattgccgtg	atctcatcgc	tatattgcc	60
tctggatgcg	cgattccgta	tctgttagct	cacatggctc	cattcacggt	tctggtaggg	120
atactatccc	tctgtatttg	ctgcattggt	cttgggtcag	ctgcagagcc	cagctacgcg	180
gtcgtttgagc	agctcagaaa	tgttcccagc	ggctggataa	agcacgatgc	agcgccagcg	240
tctgaattga	tcagatttgc	gtggtctatg	aaccaggaaa	gaaccgctga	attcgagcga	300
aggggtcattg	acatgtcaac	gccgggtcac	tcgagctatg	gacaacatat	gaagcgtgac	360
gatgtcaggg	aatttctgcg	tcctcccgag	gagggtttcag	acaaagtcc	ttctgggtg	420
agatcagaga	atgttccctgc	tggtcgcatt	gaaagtcacg	gcaactgggt	cactttcact	480
gtcccggtat	cacaggcgga	acgtatgcta	agaacacgct	ttttacgcct	tcaccacgct	540
tggagacaag	tttccacccc	nagttcagaa				570

<210> 6204

<211> 273

<212> DNA

<213> A.fumigatus

<400> 6204

aaagcttacg	ctcctacccg	gcatcgatac	actgccctga	gtttaacggc	ctcaaagtgc	60
tgcttcaaac	gcccagagtc	tgacgatggc	gttctcagct	ccaggctaag	taagtccttt	120
aagttttcaa	ctctcatgtc	tctgattatg	aggagaaaga	agtcatcgca	ccccactagg	180
caggctaagt	cagggtcttc	tccaggaaaag	gcgcagactg	acaaccgcgc	ttctgctgtc	240
attctgctcg	tgcaaatact	ggccaacaag	tag			273

<210> 6205

<211> 207

<212> DNA
 <213> A.fumigatus

<400> 6205
 tatgcgggggt tcaatcaagc aaagaagcat ctacatttta tcaacgccat gcgttatgta 60
 cgagcatoga tgggtatatg tattcccttc ctgaccctct atattttaca ggttcggact 120
 gatgcagtca ttgcagcagt gtacatctcg cgctcctgcg gtgtcatctc tcgtctttcg 180
 ggctcctccac ggctcccgtc gccttga 207

<210> 6206
 <211> 1191
 <212> DNA
 <213> A.fumigatus

<400> 6206
 agtcaagatc tgcaaccaat tottaagcaa ggaactgaaa ataaaagaac cggttgatttg 60
 actcaacctc atataacgag aaacatgaac aagaacgaca gcgtcatcat catcggagct 120
 ggtgccttcg gcctctccac ggccctgagg ctgcgtcaag atggatatac atctatcact 180
 gtcctagaca gatgcatgcc tccagttcca gatgggagca gtaatgacat ctcccgctc 240
 attcgattcg actacggcga tccggctctac gctcaaatcg ccaaagaggc gtacgatcag 300
 tggaagacac cccagtactc cgaggcggtt caccagacgc cttgtctctg ggtgtcgcaa 360
 gaaggaacct tggagcaacc cgtgcagcct cgtgcggcgg agtatagccg caagacgcgg 420
 caggtattga cggaatggg gcaggagtgg catgccgttc ctagtgtcga ggaggccaag 480
 agacggttcc ctgctttgag tgggaagctg gcaacgcctg gctttgacgg cttttacaac 540
 actaatgctg gatgggcgga cgcgggacta gctgtccaaa gacttgccag tcgttgctg 600
 gcagcgggtg tcagctttat caccgggtccg aatggccatg tcgtcgagct tgagtatgga 660
 cgggatggag tcgttgacgc cgttcggact atcaacggca accgcatcac cggcgacaga 720
 ttcattgttg ccaccggcgc ctggacggcc agtctcatcc cctcctggaa ctcgatgatg 780
 gctactgggc agattgttgg atggcttcgc ctgacacccg aggagatggg tcggcttaag 840
 gacctcccta tttacttcaa cttctcaacg ggcttcttct gttttcccg ccatgaagcc 900
 acgggggtacc tgaaggctgc agtccacggg ttcggatata catcgccaca tcccaaagct 960
 gtatcggcac cccaagctc ggctgtttcc gcaagagcca acttcatccc cgcagatggg 1020
 atgaaacgac tgttagccgg gctgagggat atcttgcccg aacttgccga acgaggattc 1080
 gaaaaagtgg gtctgtgctg gtacaatgac acccctaccg gagactttat tttcgattat 1140
 caccctgagc acaagaattt gttcattgcc acagggggca gtggccagta a 1191

<210> 6207
 <211> 606
 <212> DNA
 <213> A.fumigatus

<400> 6207
 tctctttcaa acctgcgtca tgagtccagt cgatcattcc tcgctctcac tatgggcgcg 60
 ggacgtagtc ggcgacctca agtctgcgcc ggatacattc tcgagttggg acaagtgcac 120
 ggcaaaatct tattgcaagt acgctgcgct ttttctggtc tcatcagaat cgatgtgctg 180
 actgagatta gatggcccgat catcgttggg atcattatcg gcgcagtcac cctcatctct 240
 gtgattgctg gcgtgattaa ttgtttgtgc tgcggcatcc agtgttgac aggtgttgt 300
 cgggtgctgt cgtgttgctg cccgtccctc cgtaacaaag ctccaagacc gaagtacctc 360
 gatgacccgg gttatcatca gccgcctccg atgccggcaa acgatggcta tcgtgctcct 420
 ccaggtcctc cggtttaccg tggagcccag gttgcgcggg tcgaatcgac aaccagtcct 480
 gcacctgcca aggtgaatga ggatgcgctg cctgcgatgc caacttggaa tgatgctgtc 540
 accaggagag tggaggataa cagccccag gatacgatgg aatggagcc gctgaatcct 600
 gcataa 606

<210> 6208
 <211> 522

<212> DNA

<213> A.fumigatus

<400> 6208

caggactatc	agcgagtgca	gtcacctaga	aggttcaata	gccctgggtca	aatggatgtc	60
cctcccgtca	ggacacaaac	ttcttctccc	ggctatttcc	acgcgtcttc	accctacgat	120
gacgagcgcc	tgtatggcca	tgattctctc	ggaacatata	atcagagcac	aacctcccc	180
tatgatcgcg	catatcatga	ctattctcca	cagaacttct	cgcaacctat	gaccagaaac	240
gcggccccctt	acagctcgca	aacacagtac	tcaaacatgc	ctacagcact	gtcaccttcc	300
gctgaggtac	cccgccatct	gccgtaccgc	caaccctctc	caggcatgtc	aagcatgccg	360
ccgccatcat	acagaggaat	gtccccgaac	cctcctacat	ctccacctcc	cccattctcg	420
gcgactaatc	cogttcctct	tgaagtgage	gacccgggca	ggccccccag	tatcctacaa	480
agcgggcgaa	agcccgcacc	taattcatac	cgaaatgttt	ag		522

<210> 6209

<211> 468

<212> DNA

<213> A.fumigatus

<400> 6209

gatgcgaact	ttcacaaaag	gcaagagttg	acaatcagtc	tggcagacat	catcgattcc	60
aagacacagg	agatccgagc	cgaagatggc	gaagtctact	cgaaaatgca	ggatctggca	120
gacgagctcc	ctgaatcttc	cccacgcttc	attcttctga	gctatccctt	gacctggta	180
ggtggcatct	gtgctggagg	ctccgatgca	ccacccctca	agtctgttc	aaagaatgtt	240
cgtgtgctcg	aaactaactt	tttctcatct	caccaggggt	ccggtcgcct	gacagtcctt	300
tacgtctctc	tctactacct	tcccgaata	tgcaatccgt	ccatgagaat	gacatatgcc	360
ggcgctgtgg	aattgatgcg	caatacggca	gaagtcaacc	gtgtgattga	agtccaggat	420
gaggatgata	tactttccat	cgagtcgaag	cttcagggat	cggactaa		468

<210> 6210

<211> 252

<212> DNA

<213> A.fumigatus

<400> 6210

tgtcaacaac	tccagaccat	cgacaccaat	tcggccttct	tcgctaaata	ctgcttctcg	60
cttgggtattc	aactcaagcg	gggtgaagtc	attgccgatg	atgaggacga	gatcattgaa	120
gccgtgcggc	ggatgagcaa	caactacgac	ttcgttgtga	ccagcggagg	cattgggcca	180
acgtccgtac	acgccctcac	ctacacatcc	ctgacaactc	cctcgtgtta	tattgcaagt	240
gttcaaagct	aa					252

<210> 6211

<211> 198

<212> DNA

<213> A.fumigatus

<400> 6211

ttaatatgga	gatataggcc	tctatctagc	ttttttataa	agagtcctag	tactactgct	60
aggctagata	attccttaat	ctaccccttc	ttaagtattt	tattaagata	tttatataga	120
gcctctagct	ctagctataa	tatagtaaat	aaggggctat	atagtagtaa	ctttctatta	180
agtagctata	ttttatag					198

<210> 6212

<211> 531

<212> DNA

<213> A.fumigatus

<400> 6212
 cgcttgctcag atattgtcaa ggtgcggtta cagacaacgt cagagtacaa aagcgctcta 60
 gactgcgcca cgaggatctt caagaatgag ggtcccctgg ctttctacaa ggggactttg 120
 accccgctca ttggtatcgg tgcttggtga agattaagat tgcactcact tgacatttgc 180
 ttgcaagaac tcatattctg caggctcagcg tacaattcgg tgcgttccat gaagccagaa 240
 gacggctgga ggagctcaac aagaagaaat atgccgatcc gaccctctcc tatggtcagt 300
 actatctggc tgggaagtttc gcgggtctca ccaactccgc cctctcggga cccattgagc 360
 atgtccgcat ccgcctgcag acgcaacctc acggcgaggc ccgcttgtag agcggtccgc 420
 tgcactgcat ccggaactc atttctcagg gaggcgtgct gcgcgggtctc tacagaggcc 480
 agaatgtcac gtatctcaga gaagcccagg cctacggtag ctggtttctg a 531

<210> 6213
 <211> 687
 <212> DNA
 <213> A.fumigatus

<400> 6213
 catttgcttg caagaactca tattctgcag gtcagcgtac aattcgggtgc gttccatgaa 60
 gccagaagac ggctggagga gctcaacaag aagaaatatg ccgatccgac cctctcctat 120
 ggtcagtact atctggctgg aagtttcgag ggtctcacca actccgccct ctccgggaccc 180
 attgagcatg tccgcatccg cctgcagacg caacctcagc gcgaggcccg cttgtacagc 240
 ggtccgctcg actgcatccg gaaactcatt tctcagggag gcgtgctgag cgggtctctac 300
 agaggccaga atgtcacgta tctcagagaa gccaggcct acgggtacctg gtttctgacc 360
 ttcgagtacc tgatgaacca ggacgccaaag cgtaacaaca tcaagcgaga ggagatctcc 420
 agcatcaagg tcgcgacctc cgggtggtctt gccggtgagg tctgtgggt gagcagctac 480
 ccttttgacg ttgtcaagag taagatgcag tgcgatggat tcggtgagca gcagcaatac 540
 aagagcatga ccgactgttt caagaagacc tttgccacgg agggcttttg cggcttctg 600
 aagggcctgg ggccgactct actgagagct atgccagtgt ctgcgggtac ctttgctgtg 660
 tacgttccac ttacatcatt gatatga 687

<210> 6214
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6214
 cttcttaaa aagaaagcct tgctgctgga atgccgatat attatgtcag tactgccact 60
 gccatggatca acaatagcac ggagcgagc gtcaagtgtc tcccggtatt cagttaccaa 120
 ccgttcagct tgaggtgcgt tccgctggc cgacctatag gctatgctca gtctacagga 180
 tag 183

<210> 6215
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 6215
 ttccaagtca atgccgtgtg ggcttcgcta ggccgctccg ccgggatctc catcctctc 60
 gccctctct tctcctctct tcgtctctct cacacccttg tgtatgcgcc caaagtcaaa 120
 catgaggatc gcagacatac gccgccccca gtgggcaagg gcttcttcgc ctggatgaga 180
 cccgtcctgc gcacgcgaga gcccgagctg gtggaatgca tcggcctcga tgcaaccgtc 240
 ttctgtgcgt tcaccaagat gtgcccgaat atcttcatca ttttgagtat tatcggtatg 300
 ggctgatgta ttccgggtcaa tctcaccag agtaacgggt ctggaatctc gtcgttgctg 360
 gcgtttgcaa ccatgactcc gctttatgtc accacggagg cgatttggag tcaagttatt 420
 tgcgcctggg ccttcgacat cttcacgacg cggctggaag gaaccacg 468

<210> 6216
 <211> 645
 <212> DNA
 <213> A.fumigatus

<400> 6216
 cacatgacat catcatgcac caatgattgg cgctctctc tggtaacat aaacatcacc 60
 ggaggaggat ttccaggaac aaatactttc gcagtgtctt tttcatttca atcacagata 120
 attttgtatc cagtatctgt caaggccagc atggatacct ggcaacggaa tatccgaatg 180
 atgcaccaag tcggcgagtt cctcgatctc gactccacca agtccgacat ggttgccgaa 240
 tttattgctc tcatccaagc tgtacgagaa ggtctcatgc aaatagacga taatttccaa 300
 attcccgatg ctcatatcaa cacgctgttt ctgaccaagc tcaaactctg tccgcaatgg 360
 aaggaatggg caacgaccat gctacgtgac ccgcgcataa ccgctgcca ctcgaccgag 420
 cacgttacgt tccaggagct cgcaagctta gccatcgagc aggaaaaggc tatccaacag 480
 ggagacgcaa aagggcgaaa cgcttcagat aacgcagctt ctggtgcagc gacatccaac 540
 gtggaagcaa acccgagagc gcttacacag gacgaaatca atgcgtttgt cgtcaagcag 600
 atgaaccgtc ttcaccacgg ggctggaagg atcgacggtg gtgct 645

<210> 6217
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 6217
 ttcaatactt gtacctactg gttgctatta tccctttact tcgttcctaa tccttatctt 60
 gtcggcgctt atcttatttt ttttatcatc tgcaaccctc tctgcttagt ccctagtttt 120
 tctgctccta ctgaatgtga ttttcttggg tgtgggcaca gaccttcaga tcctccaggt 180
 cagaatcggc aaggtaccgc aaatccgaca atggaactct ag 222

<210> 6218
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 6218
 actaacttct cttacaagct catctcccgc ctgcgcagtt ccaagtttgc aaaatcgaaa 60
 acgaaaacct ggcacgaatc agataactcc atcgaagaag aacatcttac cagatcctgt 120
 tatctcagcg cttcagaagg gaagaaagag cctacaatc cagactgtct gctctccgct 180
 ctgaactcga tacagtacag caagctcttc gaattgaatc atcatcgaaa gatgccgagc 240
 tcgaagctct ga 252

<210> 6219
 <211> 1086
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (145), (186)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6219
 atgtacctgc gcggcgaagg cgctcgagcag aatttcaacc acgctcttac ttggttcacg 60
 cggggattgg tcattggcga ctgcgtctgt cagcacgaga tcggactcat gtatcttcac 120
 ggctacgggg tgccccagga tgcgntcaag gccgcctcgt atttcaaadc ggctgctgat 180

caggantatc	ctgcctcgga	gaccagactt	ggagttcttt	tcctggatca	gggggatgtc	240
gccacggcta	cccgatattt	cgagctggct	gctcgctggg	gatccatgga	ggctttctat	300
tacctggcgg	agctatcgaa	caatggcatc	ggcaggcaac	gacactgtgg	catggccgca	360
tcgtattata	aaatggtcgc	agagcgtgcc	gaagcgattc	attcgtcgtt	tgccgaatca	420
aacgcccggt	acgagagagg	cgataaagaa	gcggctttga	tcccagctat	gatggctgca	480
gagcagggct	acgaaagcgc	tcaggcaaat	gtagcattcc	tactcgatga	gcagcgctca	540
ttgctgtcgc	tcgacactat	gctacctggg	attaagaagt	ctcgcccgtc	tctccttcga	600
aacgctgctt	tagcgctgat	ctactggaca	cgttcggcca	aacaggcgaa	tatcgactcg	660
ctgatcaaga	tgggtgacta	ctatctcagc	ggaactggta	tcgaagccga	ccctgaaaaa	720
gcttctatct	gctatcatac	cgctgcggaa	gccattaca	gtgcacaggc	ctactggaac	780
cttggctgga	tgcacgagaa	cggagtcgcc	gtggagcaag	actttcataat	ggccaaaaga	840
tactacgact	tggcgctcga	agcaaagtca	ggagcttatc	tgctgtgtaa	attaagcctg	900
ataaagctgc	ggatacgtag	ttattggaac	aagattacga	atggaaaggt	caactccatt	960
cgagaggaag	aaggtaaggg	tacccaagaa	gatttttttc	gcttacgcct	gtttaacatg	1020
ctgaccggac	accgcagaac	aaaagcctcg	tcggacattc	aaagagtgga	ttgcggcggt	1080
tattga						1086

<210> 6220

<211> 480

<212> DNA

<213> A.fumigatus

<400> 6220

ctccatcgaa	gaagaacatc	ttaccagatc	ctgttatctc	agcgcttcag	aagggaagaa	60
agagccctac	aatccagact	gtctgctctc	cgctctgaac	tcgatacagt	acagcaagct	120
cttcgaattg	aatcatcatc	gaaagatgcc	gagctcgaag	ctctgatcct	taaatggaag	180
actgtaagcc	aggaagctgc	ggaagagggt	ttcgaaggag	ctcgagagcg	ggctctctcg	240
atggggggta	tgaaggcttg	gagagagcgg	atgcagagcg	acagcgccag	gcgggaacag	300
gaggaaatga	acttggtgta	tggcaatgcc	gaagcggagg	ggccggagat	taatgaagag	360
gaactggagc	agcgaaaagc	tgagctcctt	gatgaagttg	agatgcctcg	gaaggaacag	420
gaggtggtta	gtgaaaggga	gatagctgaa	gacgagggtat	gcttgaatgg	gtttctctga	480

<210> 6221

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6221

attaaggagc	cgtatacttc	gggcggatca	gtgtctacag	cgatttcagg	aattactctt	60
agttctatct	ccatcctgaa	tccatctatc	ctgaagaagc	agccgctacc	gatgcatgac	120
aagcggggcg	attgccaatc	agccctctgg	aaagcatccc	agtatcgcca	tcagagacac	180
tga						183

<210> 6222

<211> 465

<212> DNA

<213> A.fumigatus

<400> 6222

ggcgtagca	tcctctcgtc	cagtcagaga	aaccattcca	agcatacctc	gtcttcagct	60
atctcccttt	cactaaccac	ctcctgttcc	ttccgaggca	tctcaacttc	atcaaggagc	120
tcagctttcc	gctgtctccg	ttcctcttca	ttaatctccg	gcccctccgc	ttcggcattg	180
ccataccaca	agttcatttc	ctcctgttcc	cgccctggcg	tgctcgctctg	catccgctct	240
ctccaagcct	tcatacccc	catccgagag	acccgctctc	gagctccttc	gaaaacctct	300
tccgcagctt	cctggcttac	agtcttccat	ttaaggatca	gagcttcgag	ctcggcattc	360
ttcgatgatg	attcaattcg	aagagcttgc	tgtactgtat	cgagttcaga	gcggagagca	420

gacagtctgg attgtagggc tctttcttcc cttctgaagc gctga

465

<210> 6223

<211> 639

<212> DNA

<213> A.fumigatus

<400> 6223

atactggtca	atgcgggctc	gcaaagttat	aagaagatca	tatcatccg	cgaccttgaa	60
caatccacca	tcaatcgact	ttctcatag	atgactaccc	tccctgagtc	taaaatgtca	120
acgactagat	atactatgtg	gtactggtat	gaccagagct	gcgccttcaa	gacagaagat	180
cccaatttca	gtcttaacca	gctctcgaag	ctcgtcaatg	ccgtacaaaa	ggaggtgaat	240
gacgaaacac	ttgtgcttcc	ttctcaaggc	cccgcccgtc	ctcgccagat	ggaggtggct	300
gtattctttc	cgaccagtga	cgcggtatcaa	ggcggttca	gccgtgagac	tgggacagag	360
cttatcaatc	gcaaagctcg	cgagctgaag	ctcccttgca	gcgatttcgt	gtcccagagt	420
gttgagaatg	tgcgcatgtt	taccaggcag	gagatagagc	gggtcttcag	ctttgcgaag	480
cttccacca	atttgattaa	ggaagcttcc	gagaagatcc	cttccggcca	gtcgactct	540
ggtatttata	tgactcgccg	ggacttaaat	aggtaacat	ggctgactgg	caagagcctt	600
gcaaaagaga	tggaagcaaa	gctcaggggt	cccccttga			639

<210> 6224

<211> 1371

<212> DNA

<213> A.fumigatus

<400> 6224

actgctccct	ggagatttag	tgtcaccttg	ttttcgatga	gctggctctg	gagatgcctg	60
gattcagagc	tgcttctatc	tcgattgctg	tcaaatttgc	tttctctctt	ccccccatat	120
ttaaatgac	ccctgcgacg	tggccaccgt	actgactcaa	cacgccatac	tagacacaaa	180
cgatcgaaga	gtgccctggc	ccttgcaatt	ttacatcgctg	ataaatcaaa	agataacgac	240
gatctgaccg	gtcgtgaaag	tggttcgctt	gagtctggcg	cgtcttctcc	gattaacagc	300
acctcctctt	tctcgctgct	gtcacataag	aatagcatcc	cccgaaagtc	gccccaaagag	360
gccaaatcgc	ctcccatgga	ctcagaggcg	tcccttgagc	caccgggctc	caataacagc	420
gcagaaaatg	ttgagaaaat	gccaactcaa	gctcaatcag	cgattggaag	catgacactt	480
gaacaatcag	tgcgcacctt	tcgactattc	gagattctgc	ggagcgggtga	cacaaatgcg	540
atatcgaaag	cgattaaaga	gaccagggaa	cctcaagggg	caggcgcttt	gactggcaca	600
accattctac	atthagcaat	ccaatgtgcc	gagccgcagg	ttgtcgaatt	catattgtct	660
ctgggagatg	acctggatat	caacgccgcg	gatcgggatg	ggaataactcc	tcttcatctt	720
gcggcgacg	taggaagagg	acctctgggtg	cgcgagttgc	tgaatcgctcc	atcagtgaat	780
gattcaatcg	tcaattaccg	tggccagact	gcccttgatg	ttgcgcgtaa	ccccgaaata	840
tttcaacagc	tccagcttgc	aaggctcttta	tttattgaca	gcaagacaca	agaaatccag	900
tcccttgtgt	atcaaggcga	ttacgataac	cttgagaggg	tattggagga	gccgcgcgtg	960
gagggaatcc	tagatgtgaa	cagcctggac	ttggtcaccg	accctactac	cgcacagtct	1020
ggaggtacct	tgctgcatga	gggcgctaga	aagaaagata	cgagactcat	acaaattcta	1080
ctgatgcacg	gcgctgatcc	tttccggcgc	gataagaaag	gtaggctacc	tcaagatgta	1140
acgaaagacg	ataagacgcg	tgccattgtc	aaaaaatctc	ctgcagcagt	tattgcacag	1200
cgtggcatte	aagagaaagc	catcctcggc	agcaatcccg	ctcaaggtgt	ctctggacgg	1260
acaggggcag	gtgaggcgcc	gctcgtgggc	aaagatgcgc	gtgaaatgag	aggatactta	1320
aagaaatgga	caaattatac	cagtggatat	aagctgagat	ggttgtcttg	a	1371

<210> 6225

<211> 264

<212> DNA

<213> A.fumigatus

<400> 6225

caatgcacag	aaaataccaa	gaagaagatc	ttcacccttc	acacgtccaa	gatgtccctt	60
gcggatgacg	ttgacctga	tgaattcatc	aaccagaaag	acgatctctc	tgggtgctgat	120
atccgagcta	tttgacaga	agccggtctg	atggcgctga	gagagcgccg	tatgagggtg	180
caaatggatg	atttccgtgc	cgcaagggaa	cggatcatga	agactaagca	ggatggcggt	240
cctgtggagg	gcttgtattt	gtaa				264

<210> 6226

<211> 702

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (115)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6226

tggattcgca	gattcaagga	gtcccagaaa	tttggtggat	ttggccttgg	ctcaaccg	60
aaattgtatg	aggaggtggg	tatcaaacc	ccaaagggg	tcattttata	cgtgnttcca	120
ggtaccggtg	aaacttggtt	tgccaaggct	gttgcaaac	agaccagcgc	cactttcctt	180
cgaatcgctg	gaagtgagct	gatccagaat	atgttggtg	atgggtcttcg	gttggtgcga	240
cagattttcc	aggctcgctg	tgagcatg	ccctcgattg	tcttcacgca	tgaaattgat	300
gccatcggtg	ccaagcgcta	cgactttaca	tctgggtggtg	aacgagaaat	ccagcgtact	360
atgttggtg	ttcttaacca	actggatggt	ttcgacgacc	gtggtgatgt	aaagggtatt	420
atggccacaa	acaagattga	gactctggat	cctgccttga	tccgtcctgg	tcgtattgac	480
cgaaagattc	tcttcgaaaa	cccagaccgt	gagtaccctg	ctaagcagct	cgctgtgggt	540
tccttgactg	acaatgcaca	gaaaatacca	agaagaagat	cttcaccctt	cacacgtcca	600
agatgtccct	tgccgatgac	gttgacctcg	atgaattcat	caaccagaaa	gacgatctct	660
ctggtgctga	tatccgagct	atgtgcacag	aagccggtct	ga		702

<210> 6227

<211> 612

<212> DNA

<213> A.fumigatus

<400> 6227

ttagctttga	ataagcactt	tgcaagatct	ctttcaatca	caatggacgg	gttcgacgaa	60
gaagcggttca	aaaaattttt	cccagtagc	tttggaac	aagaaaagaa	gcttgatgtg	120
aatgcccgaga	ttgaccgcac	caagcggtcg	aaactttcaa	ccgaaccaga	tggcgataaa	180
gaagaagtta	ctgacaacaa	accggcagtc	gaagatggtg	aagctgaaga	tgagacaaga	240
ggacacgatac	gaaaagccga	ctcagaagat	gattccgacg	atgatgactc	tgaagaggag	300
gaggacgaat	tcccagtctc	tcacgagctt	cttatcaaga	cacatgagcg	cgcagtgcg	360
accatgacgg	tggatccggc	aggagcgcg	ttgattacag	gctcgactga	ctgcaccctc	420
aagctccatg	actttgcctc	tatgacaccg	actactatac	gcgcattcaa	gtccgtcgat	480
ccgtctgcta	agaagcaatc	cgccgcccaa	gaaacacacc	cggtgcaacta	tgtcgcatte	540
aaccctctgt	ctccaagtca	tgtcatgggt	gtttcggcaa	cgccgcaacc	tgggattctg	600
gaccgcgacg	gc					612

<210> 6228

<211> 477

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (468)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6228

agatcttctt	cttgggtattt	tctgtgcatt	gtcagtcaag	gaaaccacag	cgagctgctt	60
agcagggtac	tcacgggtctg	ggttttcgaa	gagaatcttt	cggtaatac	gaccaggacg	120
gatcaaggca	ggatccagag	tctcaatctt	gtttgtggcc	ataataacct	ttacatcacc	180
acggctcgtc	aaaccatcca	gttgggttaag	aagctccaac	atagtacgct	ggattttctc	240
ttcaccacca	gatgtaaagt	cgtagcgctt	ggtaccgatg	gcatcaattt	catcgatgaa	300
gacaatcgag	ggcgcgatgct	cagcagcgac	ctggaaaatc	tgtcgcacca	accgaagacc	360
atctcccaaa	atattctgga	tcagctcact	tccgacgatt	cgaaggaaag	tggcgcgtgt	420
ctgggttgca	acagccttgg	caaaccaagt	tttaccggta	cctggaanca	cgataaa	477

<210> 6229

<211> 558

<212> DNA

<213> *A.fumigatus*

<400> 6229

agaaaagccg	tcttgtctcaa	tctacgtagc	cataagacac	ctattgacga	aattcctacc	60
ttacaaaatac	aagccctcca	caggaccgcc	atcctgctta	gtcttcatga	tccgttccct	120
tgccggcacgg	aaatcatcca	tttgcaccct	catacggcgc	tctctcagcg	ccatcagacc	180
ggcttctgtg	caaatagtctc	ggatatcagc	accagagaga	tcgtctttct	ggttgatgaa	240
ttcatcgagg	tcaacgtcat	ccgcaaggga	catcttggac	gtgtgaaggg	tgaagatctt	300
cttcttggta	ttttctgtgc	attgtcagtc	aaggaaacca	cagcgagctg	cttagcaggg	360
tactcacggt	ctgggttttc	gaagagaatc	tttcggtcaa	tacgaccagg	acggatcaag	420
gcaggatcca	gagtctcaat	cttgtttgtg	gccataataa	cctttacatc	accacggctc	480
tcgaaacat	ccagttggtt	aagaagctcc	aacatagtac	gctggatttc	tcgttcacca	540
ccagatgtaa	agtcgtag					558

<210> 6230

<211> 507

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (392)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6230

tctcggcgct	cgcgctcatca	aaatcgaacg	ccccaaggta	ggcgactttg	cccgcacta	60
cgacagccgc	gtcaacggcc	tctcttcaca	ctttgtctgg	accaaccgat	ccaaggaaag	120
tctggcgctc	gacgtcaaga	atgcccgca	ccaccgcata	ctcatgcgac	tgtctctccg	180
cacagacgtc	ttagtccaga	acctcgcccc	gggagcaagc	gcccgactcg	gcctttcatt	240
cgcgactta	tccgaaaagc	atccatctct	gatcgtctgc	aacatctctg	gctatgggcc	300
ggatgggcct	taccgcgaca	agaaagcgta	cgatctcctc	attcaaagcg	aggcgggtct	360
cctctccgtc	acggggacgg	ccaccgagcc	ancaaaagtt	ggtatctcga	ttgcggatat	420
ctgcgcgggc	agctacgcat	actcaaatat	ccttgtctgcc	ttgttcgagc	gggaaagaga	480
ccccgagcgc	cgtggacgca	acattga				507

<210> 6231

<211> 828

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (487)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6231

agaacagcaa	caaaagaaag	tcccttgtcc	ggtattaccg	tggtcagtct	tgagcaggcc	60
attgcggcac	cattttgtac	tcgccaactg	gctgatctcg	gcgctcgcgt	catcaaaatc	120
gaacgcccc	aggtaggcga	ctttgcccgc	aactacgaca	gccgcgtcaa	cggcctctct	180
tcacactttg	tctggacca	ccgatccaag	gaaagtctgg	cgctcgacgt	caagaatgcc	240
cgcgaccacc	gcatactcat	gcgactgctc	tcccgcacag	acgtcttagt	ccagaacctc	300
gccccgggag	caagcgcccg	actcggcctt	tcattcgcag	acttatccga	aaagcatcca	360
tctctgatcg	tctgcaacat	ctctggctat	gggcccggatg	ggccttaccg	cgacaagaaa	420
gcgtacgatc	tcctcattca	aagcgaggcg	ggtctcctct	ccgtcacggg	gacggccacc	480
gagccancaa	aagttgggat	ctcgattgcg	gatatctgcg	cgggcagcta	cgcatactca	540
aatatccttg	ctgccttggt	cgagcgggaa	agagaccccg	agcgccgtgg	acgcaacatt	600
gatatctcca	tgctggagag	tatggtcgag	tggatgggat	ttcccatgta	ctatacttac	660
ggggaccagc	cgggtccaac	acctgcaggt	gcggcgcatg	cggcgatata	cccatttggg	720
ccttttgaga	caggcaaggg	gacggtcatg	ctggggatcc	agaatgagcg	cgagtgggct	780
aagttctgcg	agatggtgct	ggagaagcca	gagatgatcg	acggatga		828

<210> 6232

<211> 357

<212> DNA

<213> A.fumigatus

<400> 6232

tcgacgggatg	agcggttctg	taataattcc	ttgcgggtga	agaatcgcg	tgcataggag	60
gaaacgattt	gtaaagtatt	tgcagcttac	tctgctgagg	gggtattaag	acgcctggat	120
gaggcgggta	tcgcgaacgc	cattgtgaac	gatatgcaag	gtgtatggaa	ccatccgcaa	180
ttgagagcca	ggcaacgctg	gacgcagata	cagacgcctg	caggggctgt	gccagcgctg	240
tttcctccgg	gaacggggcc	cgatgggttc	gaagctcaaa	tgggtgcagt	gcccagatt	300
ggacagcata	acgaggccat	attggctgaa	ttggggatcg	atacagatat	cgaataa	357

<210> 6233

<211> 1218

<212> DNA

<213> A.fumigatus

<400> 6233

gagccagttc	aagccccat	catcggcagg	aaacgcaaga	ccaagaaggc	cccagacaagc	60
aatgctgatg	catccaacac	gagcgccgac	aatgcgcctg	agcccacaaa	agtcagtcag	120
cctggcccc	aagaggcggc	tgagagggtt	gaaccgaaga	ccgaggagac	gaagaagaat	180
aagcaggaga	agcctccgaa	gccccatatc	gaagagaagc	aacccgatatc	cgagaacaag	240
ccagcagagc	catggcgctc	gaagaacacg	ctggaacagc	tgataaagga	ttccgaacaa	300
agcggcgctc	cgattaaaga	tctgtttctg	gaacggactt	cgccattgca	ggtcttgctt	360
gctcagctgc	acaaggctgg	ccagttggat	ctaaacaatc	accctctctt	caatccttcg	420
aatctcagtc	agcgctttga	catgaaatgt	acatccgacg	attacgaact	tttgaagcag	480
cctatcgagt	tgaccgagga	gcaccgcaaa	gccttgcttc	gcggggaacc	tgtccgtctc	540
cattcctctt	ctagccaact	gaaggatcgc	tgctcatca	cgcctcgcgg	ttgtgtcctc	600
catcacctga	cgccggagga	agaagacagg	tatctcgctt	tggaaaagag	catggaatgg	660
acaaccgaat	ctttccagga	atatccagca	gcccttatta	cggaaaccga	cgtgaccaat	720
cgtggtggag	ggttggatgc	gctcttcgcc	acgcccagga	acttcaacat	ttgctgggta	780
gatgagacta	caaccaatct	ttcatctgca	gcacatgctg	gatcaccgcc	ggctgccgat	840
gcatctgtct	cgtaactgct	ctctgctccg	ccaaacgtcc	tgtcgactat	ggaggcggac	900
agtactcgta	gccataactg	ggccattgcg	agcactgccg	agttggccaa	cgcaacggcg	960
gcttccgtcc	ggtcttttgc	ggctgctact	gcgaaacata	tgcttgagag	cgctggtgtg	1020

gttatgggga ctattccgga cctcgacgat gttgttggca tgaccgatga ggagctgcgt	1080
tcgtttgcgc tcaagtccca gaaggatctt gaaggctcgc gaaaggaact agatgctatt	1140
gataaaaagc tcgctgcatt gttcaaacgc aataagaaac ttgcacagca ggctctcgct	1200
acgactgtgg aggttttag	1218

<210> 6234

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (18)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6234

gaggactgga aacgccgnga caacccgatc attcgcttgc ggaagtgggt ggagaatgag	60
ggcctgtgga atgaggatat ggagcaggag acgcgcgatc agctgcgcaa ggccgtgctg	120
aaagaatttg gggacgcgga gcgtgagaag aagcctccca ttcgggcggc attcgaggat	180
gtgtatgatg agttgacgga ggaagcgcag gaacagatga aggagctcaa gcgcattctc	240
gagacgtatc ccgaggagta cgatctccgt caatacgaag atggcattaa agggttgtag	300

<210> 6235

<211> 1518

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1487), (1494)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6235

gggggtatacg cggatcggca tctcgtagt aagccccgtt ggccgctgct tttcaattcc	60
ttccattcat taaccagtg ggcgtcagcc atccgtcttt cctgttcga gcacacctcg	120
ctctatgaag cgtatacagg ttcgatcatt gccggcaaag gcaaaaatct caataacatt	180
cgatccattc tcgagcgcaa ccgcttcaag caggaagatt gggctcgtgt acgattcggc	240
gcagggacac cgtggagacg ctgctgggtt gtgatctcgc ctccgaacga gaaagagtac	300
caaaaggcgc agaagtcgtt gaagaaatct gcctatgatc gggccccgaa gctggccaca	360
ggagacatca aattctacga cagaggaag accaaaaagg cgaaacctat tgcgaccatc	420
accgacgct acgtgcata tgccatatac ccccgatcca aggccttaat tgatcagtcg	480
actcttgatg aaattgaggg tactgtcaca attcattcga atccagagtc aacttctgag	540
gggttcgtct tcgtcatgcc cgaggtccat cctgccatct ccggcttcga aatgatgggt	600
cgcttctcct tccccacttt cgacactttc aacctctatg ggcgcccgac acgcctcata	660
gctgccacga atcatgtcaa gagcatcatg ttgcgattca ctagccaacg gcgctatgga	720
tacctggacg tcttgatgt agcagagttg atgcagatgc cgggtagcca ctctggact	780
gaggcggaat ggaggaaaca gctgaaggat gcgacagctc agcgtatggc cgcggcaggg	840
agcaggacca gcagtatttc ctcaagaaaa ccacgctaca gagccagtct ccccaatcgc	900
tatagtaatg cgcccgcagg gggccctcgc aacaatcact tgttaccga gactcggcca	960
gaatacaacc agtcagcaga tgccatccta aacgaatcgc aaaaagagga cattgcatcc	1020
agttatcatt ctcgaggcta ttccgatacc acaggaactg agcccatgca acaacgcgtg	1080
caggctcggg tcatggaggg ctaccatca tcttccgatc aagatctaata gcccggtgga	1140
cggcaacagg ccggcactgc tagtgtcagt gaccgcagca gtgaagaggg cgactggaaa	1200
cagcaagtag atcctccggc caccgctgtt ggtgagaatc tacggcctca gtctcctct	1260
gatccggtag ccatgccgcc ggcatattat catgcaccag gagagactcc atcaaaccgc	1320
ccattacctt ctccggatct gaggaaggcc aataacagga tgtccgacgg cactctcaca	1380

cagctcgccg	ccgctggaaa	gctgaatcta	tccaacttgg	cccttccctc	aactaccgaa	1440
catagagtcc	agggctctta	ccacggggct	ggaaggatcg	acggtgnctc	aaangaaatc	1500
cacacggggg	ttcaatcc					1518

<210> 6236
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 6236	
tttactcct	gggcactgat aattactctt ggccctatct atttcctaaa tgaagatctt 60
gctcagtcct	cttccccctta ctactccctt ctcccttctt gttccttctt actagtcctt 120
tctcctggtc	gcgttgggta tatctttaat cgccacgata tcttgcttct gttctgttta 180
tacgcctccc	taacttcagt cattcttttg aagacccttg gaccctttaa ctaa 234

<210> 6237
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6237	
ttgtccgttc	tttccaacag ctaccagccc ggcggttcat ctggcttcac caaggacaag 60
gaccctctca	gcgatcctga tgcattgctt cgggatgccg ctctcatgca gcgtttgggc 120
gtaagattca	ctgggtccct gacgagattt ttttggtacg ttacttatgc gaaagtaggt 180
taa	183

<210> 6238
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 6238	
gtgctacaga	actctgggcc aaatacaaat ggctgccagt tcttcataac aactacagcg 60
accccttct	tgaatgggaa gcatgtcgtg tttgggcagg tagtggatgg catggatata 120
gtgcggtatga	tcgaaaatac acgcacgatt agggacaagc caagccaaga tgtgatcatt 180
acacaatgcg	gagagatgtg a 201

<210> 6239
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 6239	
cattcagtcg	caatagggcgt gccgctaggt cgcattaaaa tggagttatt tgcagatgtc 60
actcctcgga	cagccgaaaa ttttcgcaga ttctgcacag gtgaaagcaa aaactcccaa 120
ggaaagccac	aaggatacaa gaatagcaag tttcaccgag tagtacgtct acagcccttc 180
gtatcgggcg	agaaagctga tccaaaaccg ctttcaagat caaagatttt atga 234

<210> 6240
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 6240	
gttaacccgg	gtattgttga gttgtggacg gtgctgagtg ctacagaact ctgggccaac 60
tacaaatggc	tgccagttct tcataacaac tacagcgacc cccttcttga atgggaagca 120

tgctcgtgttt gggcaggttag tggatggcat ggatatcgtg cggatgatcg aaaatacacg 180
cacgattag 189

<210> 6241
<211> 1386
<212> DNA
<213> A.fumigatus

<400> 6241
gaaccaagg agggtagtaa aggacagaag aagtcggcga caggaaccgt caaattggac 60
tttcacgaca tgggaaagct ggagaaaatg aagaacgttc ccaaaacaga ggacagcgcc 120
aaatttggaa agggtgacat taccgctgaa atcaaagcca tataccacgg gaagaacttc 180
cattcatcga cggcgagat accagatggg gaacagatag gcatcatttt ggaccgcacg 240
aatttttacg ctgaacaagg tggacaagag aacgacactg gcagaatcat catcgacgga 300
cgggctgagc tagaagttgg tgatgttcag ctttacgctg gctatgtcct ccataccggc 360
ttcatgaagt acggttcttt ctcaataggt gacgccgtcc tgtgtgaata cgatgagctt 420
cgtcgctggc ccatccgaaa taatcatacg ggcacacaca tcctcaactt tgcgctcaga 480
agagttcttg gagattctgt cgagcaaaaa ggctctcttg ttgctgctga aaaactcaga 540
tttgatttct ctcaacaagtc tgcagtcaca gagaaagaat tagagaaaat cgaggaaata 600
tcaaccgagt atatccgcca aaactgtgat gtctactccc aagaagttcc tcttgcaact 660
gctcgccgga tctccggtgt tagagctgtc ttccggcgaga cgtaccctga tcctgtccga 720
gtcgtttctg ttggggtgga ggtggaggag atattgaaga atgtggaaga tcctcgctgg 780
cttgaagtca gcatagaatt ttgtggcgga actcacgtcc agaagacggg ggacattaag 840
gacttaatca ttctagaaga aaacggcatt gctaagggga ttcgctcgat catcgctgtg 900
actggggagg acgcccatag agtacagcga gttgccaaag agttcgagaa gcggtatgat 960
cgctgggatg caatggcttt ggggcccag aaagaacagg aagccaagca gatacagggtt 1020
gaactaaacc aactctcgat ctctgctgtc cagaaatctc gtttccgaga gcgttttgcg 1080
tccatcaaca agcaagtcac tgacggacaa aaagcgcaac aaaaactcga gacaaagaag 1140
gcgcttgagg ctatcatttc ttacttcgaa tccccgacga acgaaggaaa gacctgtttg 1200
gttaccagac ttctatttc tgcgaaccca aaagccgtga gcgagtctct aaactatgtt 1260
aagtctaagc tgcaagacaa gaccgtctat gttctagccg ccgatttgga acagggccgc 1320
gttgcccatg gttgctacgt ttcaaagggtg agccttccct cttttttcac atatggcttg 1380
gggtga 1386

<210> 6242
<211> 450
<212> DNA
<213> A.fumigatus

<400> 6242
aacaactgt atttgacaat aggtcgtgtt cgagctaata atctttatgg ttatccatcc 60
tacttttagga tcggaaaaaa gcacggactt agaccagaac accctcacat ctctccgcat 120
tgtgtaatga tcacatcttg gcttggcttg tccctaatac tgcgtgtatt ttogatcatc 180
cgcacgatat ccatgccatc cactacctgc ccaaacacga catgcttccc attcaagaag 240
ggggtcgctg tagttgttat gaagaactgg cagccatttg tatttggccc agagttctgt 300
agcactcagc accgtccaca actcaacaat acccggtta acttacggcc atgcttaaga 360
cacctgcgcg gtcgtgcttc aagacaaagt tctcatctgc aaatttggga gtgcatata 420
tggtacaaga acctgttcca tccccgttga 450

<210> 6243
<211> 1152
<212> DNA
<213> A.fumigatus

<400> 6243
gacgcgtgtg ctgaatgccg gcaggcggct gtcgcgggat gcggggggat gggggagatg 60

gtgccggctg	gacggggggcg	gggggtgacg	ggggacgcgg	gcgatctggc	agcagctgca	120
gttgaattac	tcaaccgcgc	ggactgcatg	tctgctgcct	cgacccatgg	tgccgaagac	180
atggacacca	atttccgcgg	cgggcctcca	ggctttgtac	ggctaagag	caatggacct	240
agtggttctg	ttttgggtata	tcccgaaat	tctggcaata	gattatacca	gactctgggt	300
aactttcaga	tgactcctct	cgcagggtac	tttttcccag	actttgacac	aggaaacgcg	360
ctctatgtca	cagggaacccc	tgagatcttg	attggcaaag	atgcggctga	tctgcttcca	420
cgatcaaata	tcgctgtcaa	attgacagtc	acgtccgctc	gcttcgtcga	gaagtcaact	480
gcattcagag	gaattgcagg	cccgccctct	ccatataccc	cgactgtacg	ttacctggcc	540
accgaaaggg	tcaatcaggt	cgtcagttt	agtgacgatg	tctctgttac	ggctaccatg	600
gttgcaaaaa	cgatccttac	tccaagcatc	gctcggtttc	gctttcgaat	atcagatcca	660
tccaaaatcg	gggcctgggc	tcccggccag	tacgccacct	tctcggttca	ggaggagttg	720
gacctgggct	attgtcatat	gctcgatgac	gatccgttga	gtctgaatga	tgactatgtc	780
aggacattca	ctatttcatc	gtatccaggg	catggactgc	cagcggatga	atttgaaatc	840
actgttcgca	agcacggcaa	cgtgaccagc	cacctcttca	ggaccaacga	acgcgccggt	900
ttagaagtcc	ctctcaaagg	cttcgggtggc	gggttttaggc	tgagacgatc	agaaggtgac	960
tgcacaattc	cagttataat	aggcggaatt	ggtatcaccc	cggtcattgc	acagctgcc	1020
ggcataagtg	tttctcgctt	acacctcctg	tggaccattt	ccatggctga	tgtgggcctt	1080
gtcttcgaca	cattccagcg	cttccctcaa	ctgccaggct	caaccaccct	gtttctcaca	1140
ggacctaagc	ca					1152

<210> 6244

<211> 405

<212> DNA

<213> A.fumigatus

<400> 6244

aagttaccca	gagtctggta	taatctattg	ccagaatatt	cgggatatac	caaaacagaa	60
ccactaggtc	cattgctcat	tagccgtaca	aagcctggag	gcccgcgcgc	gaaattgggtg	120
tccatgtctt	cggcaccatg	ggtcgaggcg	acgaacatgc	agtcgcgcgc	gttgagtaat	180
tcaactgcag	ctgctgccag	atcgcccgcg	tccccgatca	ccccccgccc	ccgtccagcc	240
ggcaccatct	ccccatccc	ccgcgatccc	gcgacagccg	cctgcccggca	ttcagcacac	300
gcgtctcata	gagccataga	tatgatcgaa	atcctaccaa	gacatccctg	gatgaacaga	360
gacagggtgcg	ccattcctct	ctcgctttgg	ccctggcaat	cttga		405

<210> 6245

<211> 1683

<212> DNA

<213> A.fumigatus

<400> 6245

tacttgtata	tataactgac	tgaattgtca	gaaattgggtt	gtttcggcgc	cttttcgcgc	60
gagcgaatcg	ctatcggtat	tgacaagcaa	atttccgatt	tcaatgatcc	gctgctttgg	120
ccggctcagg	ggtctgcagc	agaaccagat	gcagacctat	gcagcacctt	tactgaagaa	180
tatatcgata	ttctaccgcc	taactggaac	gtactttcct	tgtccctcag	cgtgactgc	240
acagaattca	ttatctcgcg	gctccgcaag	gatcactcgc	ccttccctcct	tgcacttcca	300
ttaaagagag	ggaatgccga	agacgacgag	gatcagttca	cattcgaggga	cggaagacga	360
gagatgcagg	aaattatcag	gttggcggaac	gagactgcac	acgccgcgaa	gttacagaag	420
gaccggcact	ccaagaagga	gtggtggaga	aaccgcgaag	ctctcaacca	gcgcttgacg	480
aacttgetgc	agaacattga	gaacgtatgg	ttcggtgggtt	tccgggggat	cttttcaccg	540
atggctcacg	aaggggctgc	tctctcgcg	ttcgccacgt	cttttcagaa	catcctggac	600
aagcacctcc	cttcgagaca	aaaaggcggc	cgttcagcaa	cgccaaggct	atcactacat	660
cgcaacggtt	tggagctggt	cgttggcggtg	aacgacctag	aaggccaggga	agaccctgag	720
gagacattga	tggatctctt	gtactttgtg	gtcgacatct	tgcaattcca	gggggaacgc	780
aatgcctatg	acgaaatcga	cttcgatatg	atgggtggtcg	agacccttga	tgctgtgcga	840
ggctaccatg	aagcggcgcg	gcgattacga	gaaggacagc	ggccgcagca	tactgtctta	900
gtcttagata	aggccctgca	cttggtccct	tgggagtcac	ttccatgtct	ggaaggattg	960

ccggtatgtc	gtgtgccgtc	cttggaaatgc	ctgcgcgagc	ggattctcca	gtctgagagc	1020
gtcatcaaac	taaatggtag	cgaaatggga	tttgccattg	accgtggaaa	tggcacatat	1080
attctcaacc	ctacaggaga	tcttcaaacg	acgcaagcca	cttttgaggc	cgaccttggc	1140
cggttggcta	cttggacggg	gatcaccaag	cgagagccga	ccgaagagga	gttcaaagat	1200
tacttggaat	ccaagagcct	gtttctgtat	tttggccatg	ggagtggcgc	tcagtatatc	1260
cgtggaagga	ctatcaaacg	acttgaccga	tgtgcagtta	catttctcat	gggatgtagc	1320
agtggcacac	tgaccgaagc	gggcgaatac	gagccatacg	ggactccgat	gaattacttg	1380
catgcaggct	gtccggctct	cgttgccacc	ctgtgggatg	tgaccgacaa	agatattgat	1440
cggttcgcca	agtctacgtt	cgagaaatgg	ggactgattg	aagaccagaa	taccaatggc	1500
gaacaagcga	cactcccgag	caagggacgg	tcccgatcgg	caaaaatgag	cagcaaacacg	1560
gaatcttctg	acccgggttat	gctggatgaa	gcagtgtcca	agtcacgaag	tgcttgtgtg	1620
ttgaagtacc	tgaatggtgc	ggcgcccgtc	atctatggca	ttccttcggt	gtttctggaa	1680
tag						1683

<210> 6246

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (101)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6246

tacgcccaacc	acccccctcgt	gacccaacat	aacaatgtca	ttttcaataa	gaccgcactt	60
tcatcattcg	aactccacct	cactgaactg	caaaatgtct	ntaacaaggt	cagcaataaag	120
cggattgaat	ggagctgctc	cgcttgtgtg	ttgtcgcatg	acgagctgcg	tgagggaaat	180
cacccccctt	ag					192

<210> 6247

<211> 726

<212> DNA

<213> A.fumigatus

<400> 6247

gtgttccaaa	aagaagcttt	cacctttcac	gcgggagttg	ccgtaattgg	aagcagacgg	60
caaattcaaa	agtttaccat	gggcacttac	accaagatct	tccttcaatt	caacgagacc	120
ttctggccct	caaacacaca	gtacttcttg	tatgcggacc	ctaagctgcg	tggatgggat	180
cccatctggc	aatcattgtc	aacacctggg	ttcctcccg	gatccaacat	cctcttcgtc	240
accgtcacca	acgagttctc	ctaccacgtc	gagaaccagt	ccgacgagga	gaccaaagcc	300
gaggtgatgg	cagtgtctgc	caagatgttc	ccggacaagg	acgttccaga	gccgactgca	360
ttcatgtatc	ctcgtctggg	taccgagccc	tggtcatacg	gaagctactc	caactggccc	420
gccagcaccg	gtctggagga	acaccagaat	ctgcgcgcca	atacaggcag	actatgggtt	480
gcaggagagc	acacgtcacc	aagctacttt	gggttcctgc	acggggccta	cttcgaaggt	540
ctcgatgccg	gacgacagat	tgcggcgctc	ttgcaaggcc	gctgcgtcta	ttataactcg	600
acgatggaaa	ggctatgcgg	gcctcgcagg	catttcgaga	cgctgcattg	aatcactccg	660
ctggctgatt	atagtgcagt	caatggctgg	atttccaaca	gtttctatga	ttacaatgat	720
gaatag						726

<210> 6248

<211> 342

<212> DNA

<213> A.fumigatus

<400> 6248

cccctcaacc	tgtcacagag	aacacgacca	aaggcaagtt	gcaaccacag	cagcggccac	60
agactacaca	gtgccatgac	cgaatacgac	tatatcattg	tcggcgcagg	catcgggtggc	120
ctggtgctgg	ccaaccgcct	gagcgcagac	gcctctgtca	atgtccttct	catcgaagcc	180
ggggccaatc	gcatgggcga	tcctcgtatc	gacacccttg	ggtttctggg	catgttgtac	240
ggaaaccacg	acttcgactg	ggattatatg	agtgtccttc	aggtatcacc	tctcttccac	300
tgctccattt	acggcaacaa	tgcaacaatg	ctgatcgtat	ag		342

<210> 6249

<211> 1422

<212> DNA

<213> A.fumigatus

<400> 6249

ccgcatgtca	acaaccgaca	aatcgcgcag	ccccgcggcc	gggtcgtcgg	cggttcctcg	60
gccctgaatt	tctcggtcgt	cctgtaccct	ccgcacacag	acttcgaggc	atggaaggcg	120
ttgggaaacc	aaggctgggg	cgcagaggat	atggcgcggt	acctgcggaa	gtttcacacg	180
ttctccccgc	ccagcaagtc	cacggccgac	cttctcggcg	tcgatagcta	catgaaagcc	240
agcagccagg	ggtgtgacgg	cctgtgcct	gtttccctgc	cggacgtata	tgggcccgtt	300
aacgaagcgt	gggataagac	gtttgagaag	cttgggtggc	ggacggacgc	ggatcccatc	360
gccggacgca	aactgggtgc	gttcaccccg	ccgctgaccg	ttgacgcaaa	gacagggaag	420
cgggggtatg	cagcggccta	ctactcccc	gaggtggcgg	cacggccaaa	cctgcgcctg	480
ctggcagaga	ccatggtcga	gcgggtgctg	ttgaccaggc	aggacggaga	cgtgctggcc	540
accggcgtgc	tgggtcaagga	caaggatggc	gcgcgagaga	ttcacgcaaa	gaaagaagtc	600
attatctgcg	ccggcagcct	gaatacgcct	cagatcctgg	aactctccgg	cattggaaat	660
gcagggctgc	tacagaagca	cgacatcccc	gtggtgatcg	acaaccccg	cgttggcgag	720
aacctccaag	atcactgcat	cagctgcatc	agcttcgaga	tcgccgacgg	tcaagtctcg	780
ggcgacattc	tcctgtgacc	caacgtggta	caggccctcg	tcaagctgta	cgaggagact	840
cgcggcggcc	cgctggcagg	catgcccac	agcgtggcgt	accttccctt	cgttgacgga	900
cgaggcgctg	tcgccgggcc	agaagtcgag	gagctgctgg	ccaagtatct	cgacagcgcc	960
gcccttccac	ccaatctgca	ggcgcagtac	gcgcacctca	ggaaagcgat	cctcgacaac	1020
gataccccgt	cgtcagagta	cctcttcttc	cccgcgcagc	tacacatgaa	acccggtgcg	1080
acaagcttgc	ccgacgtcct	ggccaagccc	ctgccggaga	actacatcag	catcatgac	1140
ctgcacaacc	accttttctc	acgaggatcg	gtgcatactc	cctcccccaa	ggcggaggac	1200
aaaccgatct	acgatccgaa	ctttctctcc	caccgctgg	acttgagat	actcgctcgg	1260
cacacgcaat	tccttgagac	aatcgccgcc	acggagccgt	tcaagtctct	tctcaaggaa	1320
cggcggatcc	cggaaaacgc	gagggacttg	ggcgtctgg	agcgagccaa	cgagctggtc	1380
gtctttccac	caggggggacg	agacatgccc	gctatggagg	ga		1422

<210> 6250

<211> 309

<212> DNA

<213> A.fumigatus

<400> 6250

gacaaaatgg	tggccctgta	cgatgccttt	ggctttccca	ttgtgcgcga	ccagctcatc	60
gccaacacgg	tgtctggctgc	cttggccact	cttgcgggtgc	ttctccggtt	catctcgcgg	120
catatccgga	agagtaagat	ctggtgggac	gatggttgct	gtgtagggtc	catgctgcac	180
acatacggca	tgtctggcaat	gcactaccac	tacgctcgcg	tcgggatgcg	caagcacgtc	240
accgagatcc	ctccccgagaa	cctgggtggcc	atgctcaaga	tgctgttcgt	ctaccaagtc	300
ctgtactac						309

<210> 6251

<211> 573

<212> DNA

<213> A.fumigatus

<400> 6251

cagccctgca	tttccaatgc	cggagagtgc	caggatctga	ggcgtattca	ggctgccggc	60
gcagataatg	acttctttct	ttgcgtgaat	ctctcgcgcg	ccatccttgt	ccttgaccag	120
cacgcgggtg	gccagcacgt	ctccgtcctg	cctgggtcaac	agcaccgct	cgaccatggt	180
ctctgccagc	aggcgaggt	ttggccgtgc	ggccacctcg	ggggagtagt	aggccgtgc	240
ataccccgc	ttccctgtct	ttgcgtcaac	ggtcagcggc	gggtgaacg	caccagttt	300
gcgtccggcg	atgggatccg	cgtccgtccg	ccaaccaagc	ttctcaaacg	tcttatccca	360
cgttcgttg	aacggcccat	atacgtccgg	cagggaaaca	ggcacagggc	cgtcacaccc	420
ctggctgctg	gctttcatgt	agctatcgac	gccgagaagg	tcggccgtgg	acttgctggg	480
cggggagAAC	gtgtgaaact	tccgcaggta	cggcgccata	tcctctgcgc	cccagccttg	540
gtttcccaac	gccttccatg	cctcgaagtc	tga			573

<210> 6252

<211> 207

<212> DNA

<213> A.fumigatus

<400> 6252

aaccggagag	cactcaacgc	tttggatggt	gaattggcca	attgccacct	agttctgctg	60
gtcaaggcga	aaactattga	aaacgcagaa	gaatgcctat	tcttctcggt	tcgcaaggag	120
gtagaaatca	ctactgtcct	ctatcacatt	gttcacaatg	tgtattttac	gttcaacaca	180
tcagatcccc	tgaatcttat	atcgtga				207

<210> 6253

<211> 900

<212> DNA

<213> A.fumigatus

<400> 6253

cattcagcag	gatgtgaaca	acaacactgg	atttgtagcg	gcggaagaca	caagacaacc	60
cttattgaaa	tcgcaggaat	ggactccaat	actgatecct	attccgagcc	tccatgcccg	120
cttcaacaat	tcgagcagcc	ggccccgac	tccccctcca	ctcttgaccc	aaccgaacca	180
ggttcatgtc	atcgcgagcc	gatatcgagc	acccacaaga	caacgcatag	tccatatgag	240
gtttgggggt	gcgacagcaa	tagtaccaat	ggcctgggtt	cccctaccac	tcggccatcc	300
gagcctgac	ttttcaatgg	tctctcgact	ctaattcctg	gattgcgccc	gctggattat	360
ggagctaggg	cagcgacaaa	cgcagaacgc	aaaatcacat	tcttggatgg	ttgccggcta	420
tacccaaagg	cgatggcggt	gtcggcggtt	gtgtcttcca	ctctcatcat	ggaaggggtc	480
gacactctac	tcctattcac	tttcttctca	cttccggcct	tcaaacgata	ctatggcgtg	540
ccaagcaaga	acggcgacta	tgaattcct	gctcgttggc	agtttgggtt	gtcgactgcg	600
atagaggtag	gggagattgc	tggactgctt	ctcaatggtc	tgttggctga	tcgcgtcggt	660
tatcgcatca	ctatatctgc	cgctatcggt	cttctctttt	tctgtatctt	attgcccttt	720
ttcgcggtca	atttgagat	gttgcttgca	ggacagatct	tgtgtggaat	cccctggggc	780
gtctttcaga	ccctgactat	caactacgcc	gccgaagtca	tgccagtcgc	gctccgcgca	840
taccttctca	gcagcatcaa	tatgtgctgg	gtagtgggtc	agctcctcgc	aacgggggtga	900

<210> 6254

<211> 198

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49), (74), (120), (124)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6254

cacccggaac	ggccaatcat	tcgtgaacga	ggaatgacca	ttgccccant	gcgcttcatg	60
ccaagtagta	ttnggatcct	tggcgttcgc	caggcggatg	aaagattcac	cgtcaaagan	120
acanacaaca	tttcgtctca	gtttgagtct	tttggcatga	agaatgaaaa	tgaggcatac	180
gaaagtgtag	ccagttaa					198

<210> 6255

<211> 1053

<212> DNA

<213> A.fumigatus

<400> 6255

ggcatcgcgt	tccatctgca	tcgatcgatc	ctcgtatatc	aacgcaaatt	cgtcactgct	60
tcctggcagt	tgtcatcact	atacgcagga	ttcttaaatc	ttcttaacag	acctattcaa	120
ccccatctct	taaccagcac	tgcacaacca	cacctaccac	actgtgaaag	acctgatgca	180
acactatctc	caatgactcc	caccgaacaa	caagaacaag	aacaaccctc	cccaacatca	240
acaacaatca	tgcccgcctc	accttcccga	acaggaaccc	tgcttgcgaa	cctttcgtcc	300
gtaacctcac	gcacagcac	cgccgccttg	aacgccaacc	gccccgccac	aaaacctatc	360
cgctcatcgc	ccgtctcaaa	gctcaagccc	gcagccgata	tcctcgccct	ccacaacccg	420
cccacgaacc	atctccactt	cggcgaaaac	tacctccagg	aactccttga	gaaatccaag	480
ctcctcccgc	caagtatccg	ctggcacttc	atcggcggac	tgcatcgaa	caagtgcgtc	540
acacttgccg	gggacgtccg	cgggctctgg	gccgtcgagt	ccgtcgacag	cgagaagaag	600
gcctcgctgc	tggatagagg	gtggggggag	cgatcggagg	aagtccgtgg	tgttgcactc	660
gaggaccggc	tgctgtgttt	tgtgcaggtg	aacacctccg	gcgaagagaa	caaggccggg	720
gtggaccctg	tagctggggc	ggtgccgctt	gcgcggttca	tccgggagaa	gtgcccacgg	780
ttgaagctgc	agggcgatg	gactattggg	gcgattgcgc	ggtccaaggc	tacgacgccg	840
gagacggaga	atgaggattt	tgtgtgtttg	cgggagacgc	gggatcgcat	cgttagggag	900
ctggggctgc	aggggtgatg	tgccgagctg	gagctgagta	tgggcatgag	tgaggacttt	960
gagggcgcg	tcaagctggg	gagtgatgag	gttcgtgtcg	ggacgacgat	tttcggggag	1020
cggccgcca	agtccgaggc	aaagtggtg	tag			1053

<210> 6256

<211> 669

<212> DNA

<213> A.fumigatus

<400> 6256

cgacgcgtat	ttccagcccc	tgggtgaagac	agtcgtaa	catcacccct	ctctccccac	60
atcatctaca	ccacctttgc	ctcggacttg	ggcgccgct	ccccgaaa	cgtcgtcccc	120
acacgaacct	catcactccc	cagcttgatc	gcgccctcaa	agtcctcact	catgcccata	180
ctcagctcca	gctcggcatc	atcacccctgc	agccccagct	ccctaacgat	gcgatcccgc	240
gtctcccgc	aacacacaaa	atcctcatte	tcctgtctcc	gcgtcgtagc	cttggaccgc	300
gcaatcgccc	caatagtc	cacgccttgc	agcttcaacc	gtgggcactt	ctcccggatg	360
aaccgcgcaa	gcggcaccgc	cccagctaca	gggtccaccc	cggccttggt	ctcttcgccg	420
gaggtgttca	cctgcacaaa	cacacgcagc	cggtcctcga	gtgcaacacc	acggacttcc	480
tcgatcgct	ccccccaccc	tctatccagc	agcgaggcct	tcttctcgct	gtcgacggac	540
tcgacggccc	agagcccgcg	gacgtcccgc	gcaagtgtga	cgacttggt	cgactgcagt	600
ccgccgatga	agtgccagcg	gatacttggc	gggaggagct	tggatttctc	aaggagtccc	660
tggaggtag						669

<210> 6257

<211> 384

<212> DNA

<213> A.fumigatus

<400> 6257

agcgcatgcg	cggcttttcg	gctccttggg	gaagacgagg	tcgtcttgac	tggcaaacac	60
------------	------------	------------	------------	------------	------------	----

tacaagtctg	gcgggcacatc	cgccgccagc	cccgtctttg	ccggtattgt	cggtctgctg	120
aacgacgccc	gtctgcgcgc	cggcaagtcc	actcttggct	tcctgaaccc	attgctgtat	180
agcatcctgg	ccgaaggatt	caccgatatc	actgccggaa	gttcaatcgg	ttgtaatgg	240
atcaaccac	agaccggaaa	gccagttcct	ggtgggtgga	ttatccccta	cgctcactgg	300
aacgctactg	ccggctggga	tcctgttact	ggccttgggg	ttcctgattt	catgaaattg	360
aaggagtgg	ttctgtcgtt	gtaa				384

<210> 6258

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6258

agctcgattc	tttaccctga	ggaatttcag	ggtcgtccca	acatcgattg	gcaaaaatgg	60
gctggtttga	tggaaggctg	tcgacttcgt	cttctcgtca	tggtcgccga	cgctccccgt	120
ctcgtcgatc	tgtctattcg	acatcgact	ctcgccattc	agcgccatcg	attttcagcc	180
tag						183

<210> 6259

<211> 576

<212> DNA

<213> A.fumigatus

<400> 6259

tcgatataatt	cagacgctgc	caccgggtgtg	ctcattccat	accttcagcc	tgcatatgat	60
attggcttgc	tgaaagtgtc	catggtctat	ttgatcaatt	tcgccggatg	gctagtggca	120
tctttcgcca	acattcacgt	ctgctcgagg	ctgggaagcg	gcgggacact	ggttgctcga	180
gccacgatcc	agtgttcgg	gtacgtgctc	atggtctgga	aacctccata	tcctcttttc	240
atgactgcct	tctttttcac	cggcattggc	gttgctttcc	aagacgcaca	agcgaatgtt	300
ttcacggcca	cggtcaggaa	cgcgcatcga	tggtcggcca	ttctccatgc	tgtttatgga	360
gtcggcacga	tcacgcgcc	gctaatacga	aatactatcg	cctctcgaac	accgtactgg	420
cactattact	acctcgcgat	gtttattctg	gggggtgatc	acgttgctct	cctggcttgg	480
acgttcggga	ggggtctatt	caagccaaac	gtctctaatt	ccaaagatgc	caatgccgaa	540
ttgatattcc	cccaggcgcc	aaatccgcct	aagtta			576

<210> 6260

<211> 288

<212> DNA

<213> A.fumigatus

<400> 6260

gcagcctgga	ccaagccaag	aggaatgaga	tctgatctat	ccaggatact	gtctacctgc	60
gccacctccg	cgtatatcat	cggcattttc	atcttgaaga	ggtttaagcc	tgtacattac	120
agtacctga	ggctcaaaaa	tgctctctg	ttcttctcta	gttctaccag	aggtacttgc	180
actcagatta	tgagcatgat	cgctcaggac	tacaatgcaa	atccgaagca	aggtctgcaa	240
gaagatattc	agctatttcc	acgcacttta	agcttctctc	ctcgttga		288

<210> 6261

<211> 333

<212> DNA

<213> A.fumigatus

<400> 6261

cctagtctag	ttgcatgttt	ctacattcgc	tttccacgga	ccaaccaaaa	cggcgatgat	60
tattaccgtg	cagtctatct	gaccgagcga	accgttcgtg	atctgatgga	aaagatttca	120
atgaagcaga	agatcgatcc	acagcgtata	gtacgcgttc	tgacagttaa	ggagaatggc	180

cttaagatca	tggttgatga	cgatgtgggc	cgtgagttgc	ccgatggccc	aaaaatggtc	240
gtcgagattt	cagaagcatc	agcattggac	aatgcagtcg	caaacaagtt	cgatcaccta	300
aattctgcgg	tggagttcaa	attgagctac	tga			333

<210> 6262
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 6262	
acgagttccc	gggcaatgat accctgtcgc aatatgattg tttcgttgat tttatttgat 60
tttattgatc	tcattccatct cgatatttcc tcaacttcacg tgcatactct tcttacgacc 120
tcttccacct	tcctccgcac catatactgc actatctttg ctttaggatt gttaaatgtg 180
cagtcgcata	tcagcttata a 201

<210> 6263
 <211> 999
 <212> DNA
 <213> A.fumigatus

<400> 6263	
gagagcgctt	cgtttgatgg atttttgtgtt acgtggaccg ccaatccggc gactggagta 60
cctgaatgcg	ccatctccgt tcgcttcaat ttccatcca cggatttttag ccattcaaaa 120
ggtgtcaaag	gcattcccggt aagactttgt gccaaaacgg agatgattgg tccggagagc 180
gcagactctc	gcgaagccga agtatgctac tgcaaagtca agcttttccg tgaccatgga 240
gcggaacgga	agctgtctaa cgacgtcgct catgtgaaga agaccattga gaagctgcgc 300
cagcagatcg	ctcaggctgg aataggtgca ggcagttatg gcaagcggaa gcgagctggg 360
aaccctatct	ctctgaagaa ttctgaccaa cgccctgcga agatctccaa acacaagagg 420
acttgggtcaa	tgagctcaca ggatggcgac aaactgtccg tggaagatga tcttcatgct 480
aagttagcca	tggtgcagga catgttcagt tccactccgg caatgagtat tctcggactt 540
cggggcgacg	aacaagacga cccggatcta tatcccggtga tcttacctgg cgactcattt 600
gatcaggtga	agaaggaggg ctcagcgaag cccgggtgacc ctctgtcttag tatcgatgcc 660
tctgcttata	ctctgtcacc gaccagcagc aatgtttcga tcaactctcc ctgtcatccc 720
ccacagcttc	agcagcaggg acatttctac gattccgggt accagggatc aatgggcaac 780
tcaagggaca	attcgcgacc tagttcggaa ttctctggag agaaaatgat tctcaagcac 840
ccagtcaaaag	tgagagaaat ctctggaggc tcgaatctcc caatgggata tatcgaagct 900
gtggatatcg	atcccaccta tagaccacct gcggagcgtc ctcaaaagcc gagtaagtcg 960
agcacgagat	cctactttga ggccaaagta ctgacctag 999

<210> 6264
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6264	
actaaaggct	atagcactat tattattaat cttaccctac taaatagcac taaatatatc 60
agatctatta	tactactaaa agtctggcat acactagctc ttacttataa totaatttct 120
attagaaagc	ttatagaatt aggtattaat actatcttca ggaagaatag tagtattaag 180
cttatctata	atagtttaat taaggccttt gctaaaataa tatag 225

<210> 6265
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 6265

ataacactag	cogtggatcc	ttccagcccc	gtggtgaaga	ccatcgactg	cgatggagcg	60
aacaacagtg	ctggcgactg	cgccaatgac	ccctccggcc	agagcatgac	ggcgttcacg	120
gacaccgtga	agcagtacgg	catttcggat	ctggacgcca	atatccatcc	gtacgtggtg	180
tttgggaact	cgggcagctc	gccgacctt	gacctcagc	agtatgggat	ggagccgtta	240
agcgtgatgg	cagtgggtg	caataaccaa	ctggtatggt	gctattaa		288

<210> 6266

<211> 258

<212> DNA

<213> A.fumigatus

<400> 6266

ttttacggtg	tctgggggtg	taccaatggt	ggaacttcta	ccggggaggc	ctccatctcg	60
ctggccaagc	tgtgctttcc	caatgacggc	atcacagggg	ataacggcca	tggggaggag	120
gatgtactct	acattgggtt	catgggacag	gacgctgtcc	ctggcgctag	tgctgcctgg	180
accgctcgcg	acactaagac	ttttgaggag	agtatcaagg	ccttgggtga	tcgccttgct	240
gctaagctta	gtgcgtaa					258

<210> 6267

<211> 495

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (14), (15), (38), (40), (41), (46), (51), (52), (57), (75), (84), (85)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6267

ggggccccgc	cccnnttttt	gggggccccg	ctttgggnan	ncctanccca	nnaattnacc	60
ccaaggggga	aaggnccaat	tttnngaaat	cgcgcaattg	ttcttgctgc	tcagaatccg	120
caggtccaat	tccatgtcgt	tgatgacgat	ccgcgtctga	tcaccgcgtg	gaattcggat	180
cgcttgccgg	tcgttgaacc	tgggctggat	gaccttggtt	atgaggacca	cgccgtggca	240
tcaaacatac	cgaagaagca	agctgggtcac	cagcttgaaa	cacatcagtc	agatctacga	300
cagccgcgaa	tacgaaaact	gcgtaatatc	actttctcaa	ccaacatcca	tgccggaata	360
gcagcatcag	agatcatctt	cctctgtttg	gacctccct	tggaccacgt	aggcttgccc	420
catcctcaac	ctgcacagca	atccatacta	attcctagtc	ctgctccgac	gatgagactc	480
cgggtttcga	cttga					495

<210> 6268

<211> 957

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (13), (17), (37)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6268

tacagctcaa	ganaacngca	tcccatcccc	cctcctntaa	gttctctcca	acccgagttc	60
ctagtcccag	gaagcgccat	ccgcgacctt	ctctatccag	tccggatcat	aatcgggccac	120
atcttctccg	aggatatgtc	gcccagggca	ctaaccgcgc	tgaagggctt	gtattcttgg	180
atccccgagg	accgcatagt	caccatggac	gcctgggtcat	ccgagttggg	taagatcgcc	240
gcgagcgcaa	tgctcgcgca	gcagacaagc	agcatccagt	ctctgcgggc	gatctgcgag	300
tcgacgaatg	caaatatcac	gcatatcgag	cagaccgttg	ggacactttc	tacgactgga	360

tacgggtctt	ctgaatcgat	cttgetcaga	gacgtcgggt	gtctgggtta	cttagcgcag	420
gagctgggg	tgccggaggt	ggcggagtag	tggagggcgg	tgctgaggat	ggatgcgtat	480
cacacacggc	gccttgctca	acacattacc	gagagtgtac	ctgcgggaac	agagcggaga	540
gatgtcgcca	tccttggtct	cgcgagcaag	tggaaacacga	tcgagattgg	ggataggagc	600
gcaacgcggc	tggtgcagga	actgacaagg	actggtgtca	aggtggacat	ctacgatccg	660
catgtgtcaa	aggaacagat	cgagagagcg	ctaggtcttg	tgagcgggtca	tttggatgcc	720
gtcacggtcg	tggaggacct	gcacgcggcg	tgttctgggt	gcgggtgcgg	cgtcctgcac	780
accgattggg	acgagttcaa	agaggatcgc	ctagactggg	agaaagttgc	ggggaagatg	840
gagtcctcaa	aagcgctgtg	tgacctcat	gggatgcttg	attggcagcg	gatggagaag	900
ctgggggtca	aagtactccg	accaggagtc	aattgtgcta	acaagcttca	agcatga	957

<210> 6269

<211> 741

<212> DNA

<213> A.fumigatus

<400> 6269

ccccgtacc	catttaattt	gccccattg	ctatacgcga	tcccaactga	ccctttccca	60
cgaggagcag	aggcaccag	aatcccatct	ccacgccatc	cagcccgctg	acgcgccccca	120
ttccgctccc	agtacaacgc	cacaaccgcc	ccgacaccgc	cagccagcac	gaagaagaaa	180
aagctggaga	agaacgacgc	cacgccagac	gatccctccg	cagaatcaag	gccccagca	240
ggccaccaga	tccccttccc	gccctcaacc	cagctaaccat	ggaaggtaaa	cgtgagcggc	300
tcaccgcgaa	taaccttcgt	gccgtggccg	gccgtccagg	gatcgcgagc	cgcctcggaa	360
atagccaaag	ccgcgtcatc	ctcgtcaacg	tctttgtcct	tcggaagtag	gccatcaaac	420
tcggggatcg	agtacgcggg	tccggccacg	acataccccc	ggctcgcgat	cttgctcttc	480
cggtttcttt	tcttggctct	ggaggccgat	ggaatattgt	gcacgacgac	gttcatgtct	540
gtccagatgt	gtagggtggc	gcgctgcagg	gtgccctgta	gagcgaagg	aaggggggtg	600
tatgccggtc	cgccattgtc	gagaggggag	aggtcgggtg	tttcgctctt	cttggcatca	660
ggggatgagc	ctgcttgccg	cgaagtgggtg	agaggtgctg	tgggcacgcg	acaggccagt	720
ggtacatccg	agtggacgta	a				741

<210> 6270

<211> 1005

<212> DNA

<213> A.fumigatus

<400> 6270

aatgtctctg	ctaacagctc	tcttctctgta	cagatcacag	acaatctcgg	caagctacaa	60
tacattccgt	tcccaacctg	caacgagacc	ttcctcccgc	ttgcactccg	ctacggcgtg	120
acagaaacag	tcaattgcac	aatcagctcg	ctccccgacg	agctctacca	cctcctggaa	180
tattacgtcc	actcggatgt	accactggcc	tgtcgcgtgc	ccacagcacc	tctcaccact	240
tcggcgcaag	caggctcatc	ccctgatgcc	aagaagagcg	aaaacaccga	cctctcccct	300
ctcgacaatg	gcggaaccgg	atacaccccc	cttaccttcg	ctctacaggg	caccctgcag	360
cgcagccacc	tacacatctg	gacagacatg	aacgtcgtcg	tgacacaatat	tccatcggcc	420
tccaagacca	agaaaaggaa	ccggaagagc	aagcatgcga	gcccggggta	tgtcgtggcc	480
ggaaccgcgt	actcgatccc	cgagtttgat	ggcctacttc	cgaaggacaa	agacgttgac	540
gaggatgacg	cggctttggc	tatttccgag	gcggctcgcg	atccctggac	ggccggccac	600
ggcacgaagg	ttattcgcgg	tgagccgctc	acgtttacct	tccatgttag	ctgggttgag	660
ggcgggaagg	ggatctgggtg	gcctgctggg	ggccttgatt	ctgcggaggg	atcgtctggc	720
gtggcgctgt	tcttctccag	ctttttcttc	ttcgtgctgg	ctgcgggtgt	cggggcggtt	780
gtggcgctgt	actgggagcg	gaatggggcg	cgtcgacggg	ctggatggcg	tggagatggg	840
attctgggtg	cctctgctcc	tcgtgggaaa	gggtcagttg	ggatcgcgta	tagcaatggg	900
ggcaaattaa	atgggtacgg	gggttattcc	ccttcaagca	ctccctctgt	ggtcgtctgt	960
ggtggtgggg	gctatggata	tgggggatat	ggaaagaagg	actga		1005

<210> 6271

<211> 816
 <212> DNA
 <213> A.fumigatus

<400> 6271
 cgtcgagaca gaccacatcc tgggcatgcc aacctacgag cagaacctca gagaccctca 60
 tcagcagata tatcgacaaa atcagtcaca ccaacagtaa cgcctaaact cgaagctgct 120
 actccggcgc ctgccagcgc aagaccaacc gcaccccgaga aacctggctc cgcataccca 180
 cccgtgcagg cgtcgacgat cgatgtcaat gccaaccttg ttcacccctc tacggggcaaa 240
 ccgatcctgt caacagatat ggactcggac tttccaaccg aggacgacaa accatggaga 300
 cggcctgggt cggatatctc cgactatttc aactacgggt ttgacgaatt cacctggggc 360
 agctacgttc tgaacaaca agagctacgg aaagaagtcc aggaccagaa gaagcaattg 420
 gatgatatgc agaatttctt gaccatgggt cttccgccaa ttccaggagc tccaggtcct 480
 gctgcacctc ctggcagcgc gccgccagct ctgcccggtg tgccaggaat gccagatatt 540
 gccctgata tgatgcaggg catgctggca agtatgatgt cgcaaggcat ggatccgtca 600
 tctatggatc ccatgtcctt catgcaacat gctcaggcga tgatgggaag gccaaaggtgg 660
 tgctggcgcc gggcagcagc aaggccagcc tgggttcggc ggccagtcgc aaaattcggg 720
 atttgaggga caaggtggag gccagcctca tatgggattt ggaggttacg aacagagaag 780
 tggttttggc ggtcggggac gaaagaaaaa atgtaa 816

<210> 6272
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 6272
 ctcatcatt gggacatgtt gctaagtgtg atctcttgcc tctatcagtc tgtcctccgc 60
 aacatcaaga acctcgctcc cctcctggac cgtgtcctcg tccagcgcac caagcctgag 120
 gctaagactg cctccggtat cttcctccca gagagcagcg tcaaggagca gaacgaggcc 180
 aaagtccttg ccgtcggccc cggtgccgtt gaccgtaatg gccagagaat cccgatgagc 240
 gttgccgcgc gtgacaaggt tctcattcct caggtaacgt ctggccggtt tggatgcttt 300
 atctccgggc ggatccgatg cgcaacggac attggattct tctgtcgatg a 351

<210> 6273
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 6273
 agcattactt tctctactaa cttccgatat ctagatcagt ttgacaatga agaaggcgaa 60
 gaatatgaag cctcgaactt cggcggcttc ggcgactata tgcgccgcaa gaagctcaag 120
 ctgcagaatc tggacgctga aatacgtctc tcctctccgg atcgcccgcc catattccgc 180
 ggcgttggtt cgcacgtcaa tggctacact cagccatctt tacaggacct ccatcgctt 240
 atagtaagcc atggcgggtg tttccttcaa tatttgagcg gcaagaccgc cgcaacccat 300
 atcattgcca gctctctcac cctcaagaag cgtgaagagt tcaagagata tcgtatcgtc 360
 aagccggcat ggggtggtcg aagcatcaag gccggacgct tgctcccgtg ggacgcattc 420
 aggggtggtg atgaaggcca tgctcaaaag gttctcaatt ttgacaacgg ccgacttcta 480
 agccaggcga atgtacagca gtccggctaa 510

<210> 6274
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 6274
 cagttccgcg tgagcatggc tgccattgat cctgatgaga ctcccaggtt cgaggatgga 60

cagacccgcc	ccagagctac	tctcaagctc	gttcgccctc	ccgcggacat	ggacattgat	120
gaatcggacg	atgactacga	ggaagactct	gaggaggatt	ctgatgatga	ggaaatcaac	180
ggcggcccca	gcgacaagga	gaaggcccg	aaactcaagg	aggcagccgc	tctcaaggag	240
ctcgaggatg	aggacgagga	cgatgatagc	gagggtgatg	atgaaaacta	g	291

<210> 6275

<211> 201

<212> DNA

<213> A.fumigatus

<400> 6275

tttggagaat	tccagaccaa	attgttccca	tacccccgta	tacacattcc	cctgtttccc	60
caagcttccg	ttatTTTTTg	tgccaagggt	ttccaaagag	gccaattttt	tcaaagaatc	120
aacatttggg	tgTTTTgggg	ccaaccaacg	agatggtcaa	gtgtaccccc	cccaacggca	180
agaacatgcc	accctgcttg	a				201

<210> 6276

<211> 315

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (239), (315)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6276

ttggagaatt	ccagaccaa	ttgttcccat	acccccgtat	acacattccc	ctgtttcccc	60
aagcttccgt	tatttttggg	gccaagggtt	tccaaagagg	ccaatttttt	caaagaatca	120
acatttgggt	gtttggggcc	caaccaacga	gatggtcaag	tgtaccccc	ccaacggcaa	180
gaacatgcc	ccctgcttga	tatacgtggt	gatgttggtc	ccaaggagac	ccacgccgnt	240
gttggtacct	tcaagaccaa	gcgcaccatc	cagttcgttg	actggtgcca	taatggtatc	300
aagatcggta	tttgn					315

<210> 6277

<211> 240

<212> DNA

<213> A.fumigatus

<400> 6277

actaacggca	actatagctg	catgctgtcc	aacaccacgg	ccatcgccga	ggcctggtct	60
gctctcgacc	acaagttcga	cctcatgtac	tccaagcgtg	ccttcgtcca	ctggtacggt	120
ggtgagggtg	tggaggaagg	tgaattctcc	gaggcccgtg	aggacctggc	tgccctcgag	180
cgtgattacg	aggaggtcgc	cgccgactcg	atggatgagg	aagtcgaggc	cgagtactag	240

<210> 6278

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6278

gtccgcattc	ccctccattt	cgtcattccg	tctactccgt	tccccattca	ttccccctac	60
agttttgacg	tctatgctcg	tggcatcacc	ttcactctag	tccacagcat	tccgctctac	120
cacctcataa	gccacaattc	gacgagtatc	cgcgaaattt	ggccgaagga	aagaggaggc	180
gcactcctcc	tgagctacaa	tcattggctga				210

<210> 6279
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 6279
 actcctgagg agaatgaccg accccccgat cgaacagcaa tttctccaag cgcagtggga 60
 ctgacagagt gtctcaacca tttagcacia cgccatccaa atctcaattt gacacccgaa 120
 gagaaacggg tgttttacca gctctttcag gctgctgata ccaccaacct cggtgtcatc 180
 accggcgagg ttgccgttcc tttcttcgag aagaccaagc ttgcaccgga gacactcgga 240
 ctggtgagtt gcgttgcatg gatcgtgtct tccggcgcat gtctggctga ctggtcaccg 300
 acaatgtgta gatatggcag atcgcagata aggagaacag agggctcttg a 351

<210> 6280
 <211> 234
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (123)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6280
 attctctctc tagctgggcc gctgcctaag tttgaaggcg tcattattga acctacatct 60
 cccacctctc gctccgctgg tgcgaccagc ccaccaccag ttagtgggcc aattcgagtc 120
 ctncactca acccggaaga cgtcaataaa ttcacagcgc tatttgagaa gtctgatgtg 180
 tcgaggagcg gggttatctc aggcatgcat cccgcaaaac gaggaagtat gtag 234

<210> 6281
 <211> 495
 <212> DNA
 <213> A.fumigatus

<400> 6281
 cctggccaag ctgcaccgtg ctgtgtaagt ttcttccttg tattcttatt ctcaccaaac 60
 aaatggagca tgaataatagt gagtgaacta acggcaacta tagctgcatg ctgtccaaca 120
 ccacggccat cgccgaggcc tggctctgctc tcgaccacia gtctgacctc atgtactcca 180
 agcgtgcctt cgtccactgg tacgttgggtg agggatatgga ggaagggtgaa ttctccgagg 240
 cccgtgagga cctggctgcc ctcgagcgtg attacgagga ggtcgccgcc gactcgatgg 300
 atgaggaagt cgaggccgag tactagacgg acgtcatcac tcggcaggat tccgaagaat 360
 ggctgtagag tttggccgtc cgatttgatg cagaggctgc ttctggccgt ttctgtgttg 420
 ttgtattggg gacaggcgtt tgccaagggtg atataccatg gacctgcgcg actcatgttg 480
 catgcaaata catag 495

<210> 6282
 <211> 705
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (110), (390)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6282

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ctggggccgct gcctaagttt gaaggcgctca ttattgaacc tacatctccc acctctcgtt 60
ccgctgggtgc gaccagccca ccaccagtta gtgggccaat tcgagtcctn ccaactcaacc 120
cggaagacgt caataaattc acagcgctat ttgagaagtc tgatgtgtcg aggagcgggg 180
ttatctcagg catgcatccc gcaaaacgag gaagtatgta gctttgaggc taataatgct 240
tgcattacag gcgacatcgc taagcaaadc tttgaacgcg cacgggttacc aaacgagatt 300
tttgggcgcga tttggaacct agcagacacg aagcaacgag gcgccctcga tgccacagaa 360
tttatcatcg ctatgcacct cttgacctcn tacaagtcgg gcgccatgag gggcatccct 420
cagactttac ctctgggctt gtatgaggcg gcagcacgaa ggggcccggg gcgaacctcc 480
gtgggggtccc gacccgacct cgacgttccct ccagtcctcg ccattccgcg acagttcacc 540
ggaccccagc ggactcaaag ccctctgaat aggtcccagt tcggaacacc gctcactgcg 600
cagtcgacgg gcgagagattg gcttatcacg ccagcagaga aggcacaatt cgataccata 660
tttggaacga ttgatactgc gaagttgggc gtcatacatt ggtga 705

```

<210> 6283

<211> 771

<212> DNA

<213> A.fumigatus

<400> 6283

```

acgcctcaga cgaacgtggt attggcattg tccgaagaaa aagtcaaggg attcgccccg 60
acacaactca gccaaaccac aggactagac tcgtcatatt tcgaacaata cccttgccca 120
ccgttcaaga tcatcatcct ggatgaggcg gatagcatga ctgaggatgc acagtctgca 180
ctcagacgca cgatggaaca atacagccgg atcacccgtt tctgtctcgt ctgcaactac 240
gtcacacgga tcatagagcc gcttgccagt cgatgcagca agttccgctt caagccgctg 300
gataattcgg ctgcagcgga gcgcttggcg catattgcca gattggagaa tttgaagctt 360
gatgaaggcg tcattgataa gctgattagc tgcagtgaag gtgatttacg gcgtgccatt 420
acatacatgc agagtgcggc ccggttggta ggcgctggtc gtccgacgag tcaaaaagat 480
ggggacgagg actctgagat gacagacgcc agctcagaac ctgtcactat gcaaatgatt 540
gaagagattg ccggcgttgt ccctgaaagt gttatagata gactcattca ggccatgcag 600
cccaagaaat tagggtcttc ctacgaggct atctctaccg tcgtcacgga tattgttgca 660
gatgggtgga gtgcgggtca gcttgtcttg caggtaagct ctgttcttat tccctttaca 720
cgaggcttcg ttcaattgcg agattccgct cttgtggtca aagagtgtcg a 771

```

<210> 6284

<211> 249

<212> DNA

<213> A.fumigatus

<400> 6284

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gctctgttct tattcccttt acacgagget tcgttcaatt gcgagattcc gtccttgtgg 60
tcaaagagtg ctgataatcc gcagctgtac cgacggattg tctacaacga tgctattccg 120
gacatacaaa agaacaagat tgtaactgcc ttctctgaga tggacaagcg tctggctgac 180
ggcgacagcg agcatttacc gatactagat ctgcgccctc ggatatcagg catcctaggg 240
ggctcgttaa 249

```

<210> 6285

<211> 243

<212> DNA

<213> A.fumigatus

<400> 6285

```

tgggtccccc aggtacagga aagacctcga ccctccttgg cggttggaaa aatcgatatc 60
gggtctgtct tgtatcggtc acgtatcttc gaactgaacg cctcagacga acgtggattt 120
ggcattgtcc gaagaaaaag tcaagggtatt cgcccgacac caactcagcc aaccacaggg 180
actagactcg tcatatttctg aacaataccc ttgccaccg ttcaagatca tcatcctgga 240
tga 243

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<210> 6286
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 6286
 acaatccgtc ggtacagctg cggattatca gcactctttg accacaagga cggaatctcg 60
 caattgaacg aagcctcgtg taaagggaaat aagaacagag cttacctgca agacaagctg 120
 acccgcactc caccatctg caacaatatc cgtgacgacg gtagagatag cctcgtagga 180
 agaccctaa 189

<210> 6287
 <211> 900
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (609), (815)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6287
 ttgaaccgac actccctagc agcagcatca tcatcatcat catctcactc atccccacccc 60
 aaagtgtgat tcacatctgc gcgctacaaa atgtccacac caactgtgat cgtcttcggc 120
 ccaacaggca gggctcggctc ggtagctgcc ctacgcgcgc agaagcacia cgcaaaggctc 180
 atcctcgcca tgcgcgacac caciaaagtcc atccccggctc tcaattctga gcaagaaacc 240
 accggcaact tcgagcgcgt gcaagtagac ctacttctc cggaaagcat ccatgccgct 300
 gtcaccaaga ccggcgccaa gcacgcattc atctacctcg cttttggcac ggccgcatgca 360
 atgcgcgcca gcatcgaggc gctcaagggg gctgggatcg agctggctgt gtttctaagc 420
 actattagca ttagtctcca cggggctgcc gacgccgtcc cggccgagtga ctttattgctg 480
 tttacccatg cgcagggtgga ggccgaatctg cgggatgtct ttgggtgacga ctatgtggcg 540
 gttcggcccg cgttcttttc gagcaattcc ttgtggtgga agagtggggg tctggcagga 600
 gaggtcaanc aggcgtatcc cgaggcccg tttgattttc tcgcgcgga agacattgga 660
 agtgttgctg ggaagtttct ggtgaaaagg ttgccaactg ggggagatgg gagccaacta 720
 aaatacctcg aacttgtagg accggaacag atgttgataa cggacgcatt tggctctgatt 780
 gggaaaattg ttcgcaaaga aattcacatc ccancatct ataaccatga cgcccggcag 840
 gatatgacca agggccaagg ggtgccggga gccgggtttc aacaaaatat ttggctcccc 900

<210> 6288
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 6288
 ggccaagaca tctatggcac gatgtacctc gtcctttcga cgttcagctc tctgtggact 60
 cgtgtctaca acgaatctac gggcattggg ggtctgaact acatctccct tgggttggga 120
 ttctggttgg gctctcagct ctgcgctcca ctgaatgacc gcatttatcg ccgactcaaa 180
 gcccgtaaca acaatatcgg caggcccgaa ttccgagtag cactcctggg ggtgggcgca 240
 ttctcaccac cagtgggtct ctttatctac ggctggaccg ctacgtttcg ccgtcactgg 300
 attgctccca acattggtgc ctgcctcttc ggtgctggga acatcatcgc ctttcagtgc 360
 atccagacct acatgggtgga tacatacacg agatttgctg ccagcgccct agccgcggtg 420
 gctttcttac gttgcatatg tggattcgcc tttccgctat ttgcaccgta catgtacaac 480
 gccctgcact acggatgggg caatagttta ttggcctttg tgtctattgg tttgggaata 540
 cccgcaccga tattcctctg gaagtacgga gagattctgc gtaagcgcag tccatatgctg 600
 gccgggttag 609

<210> 6289
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 6289
 caatcatcag gcccaagaac aggacatggt atgtacagtc agcggacaga atcgactagc 60
 aacccacccc tccctaggtc tgtcatacac gaccgtctac ctaatgtagg aaatttcgca 120
 atcgaaacca aagcggtttac tgatgaatac ccgcatgata ccctcctcaa ccgacgaatg 180
 caatcggatc tcgccccctt tccttcccc ccccccctcc ccactcccaa actccccggt 240
 caaaattcgt cacagactca agcttag 267

<210> 6290
 <211> 2019
 <212> DNA
 <213> A.fumigatus

<400> 6290
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 tattcgggat caagttcagc tggctactca acggactcgt tgccctgctcc gacagccgag 120
 aacgagcaac acaatcccta tttgaacaat tcagctcaag ctagattgca ggtatctgat 180
 caagctgttt caagctcttg cggactagac catgccgaga ccaacaatgt cgggtccgga 240
 caggcgtcgt cttgtctatc gaagcgtcct gatgagacc cgctttcttt cagcggcgaa 300
 ggatcaagcg gaagtaggac gacgaccgag cagtctaaaa caccacagaa aaagagcaaa 360
 ggattcaagt ggagtttctt ccagagacat ggaaatgtgc aaaaggagaa gaaaccaacc 420
 cgtgagccgc ttgtatctcc taacacccct cggctccatg ctacagtttc cccagcctta 480
 gtatcacggc ctgtcgcaca ctacgcctcg gtggatgccg actccgaccc tctggaagat 540
 atcattaacc acgttgagga gtgcctccg acggagattg aggatctgga ctcacgggta 600
 gaaattccgg ctgccttgaa tatcaggaag ccaacccaat ctatcctgct tccatcgctt 660
 ccgaagcttc aaggcgagtt ctgtcgagat cgcccggtt caccaaaggt ctactttaac 720
 aaggatcctt cactctccaa ctccgaggca agcacatcta gtggacgccc acgacgggtg 780
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 cttcaatcat tctcgaggcc cttcagcatg gcagattctc catcgataat tgctccggcg 900
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 aacgaggcac ctgcgtctc gttgggtctt ggttttgacc tcaacttgccc ctttggtgat 1020
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 acgttctcac caaggaagga ttccgggtgtt tccacgtcaa gtggttctga agcttcggcc 1140
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 gagtatgacg atctcattga acacgttctt tcaccagagg cccagtagc tagtttgtcg 1260
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 gccgagatag actcaaagt cagtaaacac tcgcctgttc ctctcgtcga cactccgacc 1380
 gtggctctca ctccctcaac acctcgacca agtgatagct cgttccattt acggcggtcc 1440
 gcgatagctt cagccctcca cacttccatt accccttctt cccaaccttc gttcagtgac 1500
 atcattgcta gctactgcta tcatcaagat gaaaagcaaa cagggtgatga gaagatagat 1560
 gacaactcag cctcacttgc acctgttgag caacaagcag ccttcctcag ctctgttca 1620
 ctggacttat ccgagacgtt cgagacttgc cggcaacgga ataccattct ctttgatatt 1680
 gccgagcgcg atagagaggg tccaaccgcc cagaccaaca tacgctcagg gtctctcatg 1740
 acaagccggt ggctgtcatt tgggaagggt ctcttttagtc ccgcgcataa tcatgtcaaa 1800
 aacggcgagc aagagcggat tctcgtcatc gatggactag ggaacgacga ctgggtcattt 1860
 tattgcgccc tcacctacc gaatgctgag atctactgca ttaatgacgg tcccacgaaa 1920
 acgacattaa agcatccagc tgcttggcaa ccaccgacga accatcatac gtcttcacca 1980
 cggggctgga aggatcgca cgggcgatgc tatcgaaga 2019

<210> 6291
 <211> 894

<212> DNA

<213> *A.fumigatus*

<400> 6291

agacgaagca	gccctccacg	tccgaagcag	gaagcgaaga	agcccagagcc	tccaaggag	60
cctgaacaag	acttgtttga	ctttggcgag	gaggagccgg	tcactgctgc	ttccacgtct	120
actgcggtcg	gtaagaagcc	tgccagcagt	aacggcctgg	atattctcga	gtccaaacca	180
atcgatgacg	atgacgagtt	tgatgaattc	cagtcgcgaa	cgccagcacc	gcagcccgcg	240
gccaaccaat	ttactattcc	cgcaccccg	tccacagtca	gtacgacctc	gagtacccag	300
tttgccgctc	cccggcccgt	ctctgggtgt	caagggccga	atctgaatgg	gttggtcgga	360
tttacatcaa	tgaccccgac	tccgacatcg	agcacgggtg	cgtctcccac	actttctcag	420
aactctatgg	tgccgccatc	gcagcaggca	aagccctcac	agcccaaacc	gacgggcttc	480
caagccgcca	ctcctaacta	cttcacctcc	gttaccaccg	ccaccacaca	gcagccaaca	540
gccacgacac	ccggccaccg	accgggtatg	ccctcaactt	cctctttcac	ttctgcccgg	600
ggcacttcat	cggtcgggtg	taaaccggcc	gcacccaagt	cgtcgggtga	cgcttttgga	660
tctctctggt	cgaccgccag	tgccagtgcg	ggcatccaga	agtcatccgc	aaatgctagc	720
aaggggcccc	atctggcgag	tatggctaaa	gagaaggcta	gcgcgggaat	ctggggagcc	780
ccggcttcgt	cgagcagttt	cactccaact	tctccgtctc	cttcggtgag	ctcatcgaca	840
cagcaacagg	ggacgaagac	gggcagttcg	gggcttgacg	atttgctggg	ctag	894

<210> 6292

<211> 291

<212> DNA

<213> *A.fumigatus*

<400> 6292

attccagtcc	gcaacgccag	caccgcagcc	cgcagccaac	caatttacta	ttcccgcacc	60
cgcgtccaca	gtcagtagca	cctcgagtac	ccagtttgcc	gtcccccggc	ccgtctctgg	120
tgtgcaaggg	ccgaatctga	atgggttggg	cggatttaca	tcaatgaccc	cgactccgac	180
atcgagcacg	gttgcgctct	ccacactttc	tcagaactct	atgggtgcgc	catcgagca	240
ggcaaagccc	tcacagccca	aaccgacggg	cttccaagcc	gccactccta	a	291

<210> 6293

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 6293

cgtggcaata	gcagggggcg	cgcccatgaa	atgacaggag	gaactgggtg	agagtactgt	60
gtaaacatgc	agtctgagct	gagtacctat	ctactttgta	agtacgtact	tggtggcgag	120
accgctggac	gctcccacgg	accatatgtt	ccgttattag	ctaactgcaa	aacaaccatg	180
tggtattacg	tagaagacgt	gagaccttaa				210

<210> 6294

<211> 675

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (387), (391), (458), (567), (570), (579), (582), (589), (608), (638), (642)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6294

agacagtgca	taagtctaaa	agatccctgc	aagtcggaga	tttttgtacg	ctggccaagg	60
atgtcgggta	gtgcgatgca	cgactgggtg	agcaatgcat	gtttcgcac	cttgagaggg	120

```

agaggggggaa actgcttctg gagtatcata ctactagcgg gtaatccatg catcccagca 180
tcagatggcc taggaaacgc acaggagctg ctgtgtccaa ggaactttat gtggcccttc 240
aggacattca gtatcgagcc agatcctttt tgcagggcag gccaccccc acccccccca 300
gcgcgcgtatt tgctccctac caacggcctg gtttctgtaa ttgacctccc cccgcgggcc 360
gcccgcacgc caccatgtc ccccgcnacg ntcttgccaa ccccccccc actatcacta 420
gtttgcgccc aaaaccgaaa accatttagt gcctcttnac aggaacgacc cccccccatc 480
gactgcccc ctcctctctt gctctccgc cccgatcttt tcagggacag tccaacggga 540
aaggaaccac tcttggtgca tgggggntgn acgaaaaana tntttctgna aaaacaaatt 600
cataaggncg ttgaacaaag ggggggtatc ggggaaantt tnttgcatta tggagcggtc 660
cccacttcac ccctt 675

```

<210> 6295

<211> 210

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (25), (29), (59), (78), (85), (88), (97), (100), (209)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6295

```

agtggggaac gtcaccataat gcaanaaant ttccccgata ccccccttt gttcaacgnc 60
cttatgaatt tgttttttnc gaaanatntt ttctgtnan ccccatgca acaagagtgg 120
ttcctttccc gttggactgt ccctgaaaag atcggggcgg gagagcaagg agggaggggg 180
gcagtcgatg gggggggggtc gttcctgtna 210

```

<210> 6296

<211> 603

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (11), (18), (21), (30), (33), (142), (209), (213)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6296

```

atttgttttt ncagaaanat ntttttcgtn cancccccat gcaacaagag tggttccttt 60
cccgttggac tgtccctgaa aagatcgggg cgggagagca aggagggagg ggggcagtcg 120
atgggggggg gtcgttcttg tnaagaggca ctaaatggtt ttcggttttg ggcgcaaact 180
agtgatagtg ggggggggtg tgccagganc gtncgggggg acatgggttg cgtgcgggcg 240
gccggcgggg ggaggcaaat tacagaaacc aggccgttgg tagggagcaa atacggcgct 300
gggggggggtg ggggtgggcc tgccctgcaa aaaggatctg gctcgatact gaatgtcctg 360
aagggccaca taaagttcct tggacacagc agtcctgtg cgtttcctag gccatctgat 420
gctgggatgc atggattacc cgctagtagt atgatactcc agaagcagtt tccccctctc 480
cctctcaagg atgcgaaaca tgcattgcta caccagtcgt gcacgcact acccgacatc 540
cttggccagc gtacaaaaat ctccgacttg cagggatctt ttagacttat gcactgtctc 600
tag 603

```

<210> 6297

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (124)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6297

```
ggcgatgttc cccttaactt ccggaatcct atattcatcc atccgcatcc cccaccggcc 60
ggttttggcc cctttgaacc ccgggagAAC tatccaatgg cccccctgt ttccaaggaa 120
ccanaaacgg gccggaatga aaataaacct ggtttctccc aaacattttt tattccttcc 180
ttg 183
```

<210> 6298

<211> 201

<212> DNA

<213> *A.fumigatus*

<400> 6298

```
accgcaacgg gacattactt caaaggctgt ttcgtcaaca ctgagctgaa acagcgggtg 60
atgacacaat ccttaattgt gctggactgc tcggttagaa ccttgataac cgccgtcctg 120
aatcaatctg aagaacgcaa aacaagggtc gcatttatcc taagggttgg cattgattgt 180
aatgtaccg tcacggcttg a 201
```

<210> 6299

<211> 918

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (705), (860)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6299

```
attgcggcac aggataatgg agccaaagac atatcaacct cggtgagttc tggattcctt 60
gcaatctcta tcgttctacc acagcatctc acaatgacca tcgtcgactg gcaagaaaaa 120
gctcagctta agcagctctga agctgctagc aagatccctc cagaatggag actctcttta 180
gatatcctga ctgccatttc caacgagctc aatgttctcg acattcctac aaagtgtggt 240
attctttctg ctgcgcgagc cgacatcacc gaacactacg acgccactga tctcctgcag 300
agattggcgt caaaagagct cagtgcctgt gaagtcacaa cagccttttg caaacgggct 360
gctattgctc agcaacttac cttttgcctg accgaaacgt tcttcgatca agccctcgcc 420
cgagctcggc aattggacga tcacttgacg gccacaggac agaccgttgg accccttcat 480
ggccttccca tcagcctgaa ggattgcttc aacgttgctg gcgtaccgac ctctctcggg 540
tttgatatcat acctggaccg tccggctcca accacaaatt cgtcgtcgtt ggatatcctc 600
ctgcgcccg gcgctgttct ctatgtcaag accaatgttc cgcagaccat gatgacagcc 660
gattcgcata acaacgtctt cggccgtgtc ctgaaccctt accgncgcaa cctcacagcg 720
ggtggaagct caggggggtga aggtgctctg attgcccttc acggctcggg gctgggcatt 780
ggcaccgaca atgcaggatc catccgtatc cccgcgctgt gttggcggga cgaccgcctt 840
tcaagccttc tggttcgcgn gtggcatacg gggggccaaa ctgccggcgg gcggagccgg 900
gatggttagga attacggc 918
```

<210> 6300

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 6300

```
cagcaatatc caggaggcgg aggtttcgtt cctggaatcg ttttcaacc gtcagctaag 60
```

gggttagcgt acgctcgtac tgacattgga ggcggtacc gtctcaactc ggacgacact 120
 tggacgcctc tccaggactc tgtgggaaac agtaactggt atgtaacctg ttctgtaagt 180
 gagatcgact ga 192

<210> 6301
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 6301
 cgttttaggc atgactgggg tgttgatgca ctcgctaccg atccattga taccagtcgc 60
 ctgtacctgg cggttgggat gtacacgaat gaatgggacc ccaacgccgg ctcaatcatg 120
 cgctcgaccg atcagggtaa tacttgggtca gagaccaagc tacccttcaa agttggagga 180
 aatatgcctg gacgtgggat gggcgaggta ggtaacagtc cttttccctg cattgcttgt 240
 ttctcggtca agaccatgta g 261

<210> 6302
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 6302
 atctcgtttg tgcacagttg ggaagacagt ggtcatctgt acatccagac ggaattttgc 60
 gaggaaggca gcctggatgt gttccttgcc cagggtggcc tcaaggcgag attggatgac 120
 tttcgcctct ggaagatatt gttagaattg tccttgggtat gtcaccctat ctacgtttcc 180
 tgttga 186

<210> 6303
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 6303
 gcaagggcta acctccagca gggctctgaag cacatccatg actccggctt catccatctt 60
 gatctcaagc cggcgaaacat cctcatcacc ttcgagggtg tctgaagat tgctgacttt 120
 ggcattggcag ccagatggcc tgcagaagat ggcataagagg gtgaaggaga tcgagaatac 180
 atcgggtcctg agattttgat gggcgcttc gataaaccg ccgacatatt ctcgctgggc 240
 ctgataatgt tcgaaattgc gggcaatgtg gaacttcccc gataa 285

<210> 6304
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 6304
 tgttcgaaat tgcgggcaat gtggaacttc cccgataatg gtctctcatg gcagaagctt 60
 cggaacggcg atatgagcga cgtgcctagc ttgacctgga gctcggagac cagcatcttc 120
 cgcgacgctt ccggaatcc catctcggaa gagccgtcat tcgaggagct ctgcgcctcg 180
 gacttgggcg atgacgactt tggagaggat agttttctgg acagccgcct tcgtcaggca 240
 gtgcttcttg cgcgcagtgg ggagctggtc aaccctccaa gcttcatgat cgatgcgagc 300
 cacgagcaag ccttggacaa gatcgtccgg tggatgattt cccagatcc ttctgatcga 360
 cccacagcgg atcgggttct ccaaaccat ggggtccaat tcgtagaacg tcgacgtcgt 420
 gctggggcca cagtctacga aggcaactgg ggcctgcgg acgagatcct ggctgaggat 480
 gccgaaatga tcgacgtgtg a 501

<210> 6305

<211> 315
 <212> DNA
 <213> A.fumigatus

<400> 6305
 gaagcgagga agattatatt tgaggccgct tctcaactta caaggcgctc ggcagggttta 60
 ccagctttgg ccacaggtat ccttctttcg aagccaggag ggccgctctt ccgacaggtc 120
 atggatgagc tccatgaaat atctcacctc cctgccgagc aagatcttgt caaacagaaa 180
 gtcgaactac cacagggtcca cgccacgaat tgcttgaaag acatatttac gaacacccaaa 240
 ctgggtcctt tcacagaatc ttatatcatg ccggccctga ccctatccgc tgaacagcta 300
 ggatcgccta tgtaa 315

<210> 6306
 <211> 603
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (444)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6306
 tccaagtcat ccctcacaga agagcatata tctaagctca ctttctcttc tcctcttcat 60
 ggctacgaga gcgatatatc taagcaaaga gctccttata ctccgcgtac cactataata 120
 aagctattga ctatgaccct gccaatcca ccaaacataa tgttttcctt caattctcta 180
 agaggccatg gcttgaccat tggatcacc gcatgctgtg ggggtgtcatt catgctatct 240
 ggctacgatc aagggtgtctt cgggggcatt ctctcaaata ccacgtttca gaaacagttc 300
 gatcatccaa acaccacaat gcagggggcag attgtgtcaa tatacgttct tggatgcgtg 360
 gcgggggctt ttctgtcaat gtacactgga gatcgactcg gaagacagcg atcagtctta 420
 ctagccagcg cttttctcac aatnngcggc atcctccaat ccgtggcttt tactctcccc 480
 catttgattg tgggcccgcatt tgctcgctggc cttggagttg gcatgaacac cagcagctg 540
 cctatgtggc agagtggagc atgtcttcac cacggggctg gaaggatccg cgggtggcgca 600
 ttg 603

<210> 6307
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 6307
 gaatggctta ccatccaaag gctggcaaag atgtgttgta tgaggaagga atctaaaggg 60
 aataacgcca ttatcttcgc aaagtgtcaa gaatttgaca gtgagatgag agccatggcc 120
 atcaaataata agtatctgtt tctccccctt ctttgtacgc tcgtttgttg cattaataaa 180
 gctttgaagc cattgaacag ctag 204

<210> 6308
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 6308
 actctgttct gcagacacga ggaccgctcc tttcctccga tccggttcgg gaaggcgacc 60
 ccacggcggg gccttgccct ggagaaacat ggggaaatcc gggggagtta tagggtatct 120
 gtgactaagg ctccccctca ccgctccgcg ttgagggtga gccacagcga aaccaccaac 180
 cacaccgaat ccaccatttt tcaatttgac tatttgaagc tattcaaacc acccaacatg 240

cctaaatctt	ctaaaaataa	tgaatcttac	ctctcaagg	cctgcgaggc	tgctcagggc	300
caaaaaaagc	caaatatctc	taagattacg	cgtgaatatg	gcattcctta	tataatacta	360
tataattatg	ttaaaaaggg	taggtag				387

<210> 6309
 <211> 573
 <212> DNA
 <213> A.fumigatus

<400> 6309						
gttcctaattg	atTTTTccct	tcctttaaat	aataatctat	gctcgcttcc	taaaggcaac	60
ggaatcttca	tggaatcttg	gttcaatgag	agcgaggcct	taccaccaga	tactacgata	120
gcgacgtctc	ctaattggctg	gatatcagat	gaactagctg	ttcaatggct	tcaaagcttt	180
attaatgcaa	caaacgagcg	tacaaagaag	ggggagaaac	agatacttat	atTTgatggc	240
catggctctc	atctcactgt	caaattcttg	caactttgcg	aagataatgg	cgTTattccc	300
tttagattcc	ttctcatac	aacacatctt	tgccagcctt	tggtatggtaa	gccattctta	360
agctataagc	aatacttcta	ttatatgaat	aataagctat	cttactgggc	tggttaagcct	420
gtagggaagt	tagaattctt	atacatgatt	agaccagtac	aagagaaggc	tttcaaccac	480
aggatcatcc	gtgaggcctt	taaagatcgt	ggaatctggc	cagtcaatag	taagatagct	540
aacaatcttg	gggtcccaact	atgtcttttc	cac			573

<210> 6310
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 6310						
cacccccgcg	gatacttcca	gccccgtggt	gaagacgtcc	tggtctcgtgc	ggcgaacgag	60
gaggcggttt	ggctgatgcc	tgactttggc	tactgggcct	gggacaatcc	cgataatgcg	120
atcggaaccgt	ttgaccaagt	ggtcgcgagg	atccagcgag	ctgatattcc	atgggaagcg	180
aagaagcagc	agctggtttg	gcgtggtaag	cccagttttg	cacccaagct	gcgacggggc	240
ttgatcgaag	ctacgcggga	ccagccgtgg	ggcgacgtta	agcaagtcag	ctggccggat	300
cggaccaatg	ttctgagtat	ggaggatcac	tgccagtata	tgtttatcgc	gcatgtggag	360
ggtaggtctt	ctcggttcat	ttttttgagg	ttggacgata	gctga		405

<210> 6311
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 6311						
cactattctt	taacagaccc	aattttcaaa	atcacgatcc	ttggacacga	cattgtcttc	60
atcaccagcg	caaaactgct	cgaggagatt	tgcgatgaga	aacggttccg	caaagtgtg	120
accggcccca	ttgtcgaaat	ccgtgaggcg	gtccacgaca	gtctgtttac	tgctgaccac	180
gatgaggaaa	gctgggggat	tgcccaccgt	atcatggcct	ctttgatgac	tccagaggct	240
gtgatcgacg	cttttgctgg	aatgcgcgag	accgccacag	atctgggtta	gaaatggact	300
gcggggcccc	ggcagcgaat	taacgtcagc	aatgacatgg	accgtctgaa	ccatgccggc	360
aacatgctct	gcttctttga	ccagcggatc	cactgcctcg	agggaccaga	gccttcggtc	420
ctccaggcca	tcggaggctg	cgtcttctac	cgacggagac	gaaggcccg	cgcatag	477

<210> 6312
 <211> 1305
 <212> DNA
 <213> A.fumigatus

<400> 6312

ggacataccc	acagttcaac	cttgaggcat	ggctctctca	ctcaatctga	acagttgaat	60
tgtcattctc	gtccaccttc	aatcgcatcg	gagctaactg	tttcgggtaa	tggcggggat	120
ctccgccaa	acatcccga	cccatgtctt	tggagtcgac	gcgacgtgcg	cgaagagaac	180
caatttttcc	ggaccaacgc	atgggtgcac	gacgacgtta	cactcacaaa	ttcaagcaaa	240
gcacttgata	catacagact	tcgccatgat	tataatacag	tttacttcga	catgtctcgg	300
tcgtctcctg	ttccctctgc	cgctttgtct	tcgccagca	gctctgtgaa	acaccagtct	360
cagttcactt	atcgccaact	acagcttcta	cgtcagggct	cgacggcgac	tccactgagg	420
gtaatcgctc	atatacgacct	cgatgccttt	tatgcacaat	gtgagatggt	acggctggga	480
acgccgaagg	agggcgctct	cgctgtacgg	caatgggatt	cgctcatcgc	gatcaattat	540
cccgtcgc	ccttcgggat	aagcagaatg	atgtcagcca	gcgaagcaca	gaagcattgt	600
ccggagattg	ttctgcagca	tgtggccacg	tttcgcgagg	gcgagggcgg	gaagtgggct	660
tataggaaag	acgcatttaa	gaacatcagt	acagataaag	tatgcctgga	tccttatcgc	720
gcagaatctc	gaaagatcct	gaaagtgatg	aaagaagaac	tttcaagatg	gcacgcgggt	780
ctcgtggaca	gcgaacatga	accctactct	cactatcaag	ttcaaccttc	tagcctcgaa	840
aaggccagca	ttgacgaagt	atcttatcgac	ttgtcgtcac	tcgtctatgc	tttattgctt	900
cagcgggtacc	cggaactgcg	tatcgaaacc	caaggtgacg	gacgcagcac	tcggtgcct	960
cgccccccga	cgacagcggt	ggaatggaat	accgaagact	gcttgataga	ccttgatgag	1020
aatgagacgg	aagttgatga	tcctgactgg	gatgatattg	ctatgctcat	aggctcgag	1080
attgttcggt	cagtcggaac	agctgtctgg	aacaagctca	gctatacctg	ttccgggggg	1140
gtcgcagaa	acaagatgat	ggccaagttg	ggaagcgctt	gtcacaagcc	aaacaagcag	1200
acaatcgta	gaaaccgcgc	gatccacaat	tttctgggta	gcttcaagtt	taccaagatc	1260
agaatgcttg	gaggcaaac	cggagaccag	gtggctactc	tcttc		1305

<210> 6313

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6313

ccccccgtca	atctcctcgc	agttctttac	gaccatcatg	gcaagggcgg	tatcgccgac	60
atcaccgagg	ctgaaaaatg	gacgaacgtc	aatgtcaatt	ttaacatcat	gtgcgattac	120
ggaactcaca	atggaatcag	cgcaataaca	ctgccccagc	caaagcgaat	accgcacaga	180
ttgaataggc	agtag					195

<210> 6314

<211> 213

<212> DNA

<213> A.fumigatus

<400> 6314

gacattatat	cattgatctc	tgtcagagac	gtctacacac	atacagagaa	tctgagaggt	60
ctcgggaatct	ttcctcacga	aatcgatctg	atccttgcta	aatctcttct	ttttgtatca	120
actctcgatc	tagataacat	tcgattttac	ttatcgacta	agaagaagcc	atgtcaggtg	180
ctctggcgtc	cttggtcggc	aagagaattt	tag			213

<210> 6315

<211> 657

<212> DNA

<213> A.fumigatus

<400> 6315

cgggagagtc	ctcacacagg	tgaaacgcag	ggcgtacaga	ctagactact	gcctattcaa	60
tctgtgcggg	attcgctttg	gctggggcag	tgttattgcy	ctgattccat	tgtgagttcc	120
gtaatcgcac	atgatgttaa	aattgacatt	gacgttcgtc	catttttcag	cctcgggtgat	180
gtcggcgata	ccgcccttgc	catgatggtc	gtaaagaact	gcgaggagat	tgacgggggg	240
ttaccagcac	ggctcaggat	gataatgatg	atcaatgtgc	tgatcgactt	cgttatcggt	300

ctgggtcccat	tcatagggga	cgttgcagac	gctgtgtaca	aatgtaacac	aaggaacgct	360
gtcattctag	aaaagcactt	gogagaaaag	ggggcgaaag	tgcttaaggc	gcaaagtcca	420
actccggaag	ggatcattga	taccagcctg	cccaggaat	tcgacagata	tgaccagagt	480
gcctcggaag	aaccgcctag	atacgagagc	caggcacaaa	cgggacctgc	taggccggag	540
cctgccaggc	atccgaagag	agaccggctg	cagaaagggt	ggtttggtta	atcggtccgat	600
cgagcaggtg	acttggaggc	tggagtggcg	gataactcac	aatcccgtgt	tcaatga	657

<210> 6316

<211> 570

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (569)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6316

ctaacatgca	aagctggtat	ccttgctgca	cttctagcgt	gcaaaacaga	agagctcaac	60
gacggcgcc	cacacgacta	cttcccttgg	atagcagaaa	ctgtcctcgg	cctttgtaga	120
ctatgcattg	ccaacaacgg	ccatcctcca	actactatac	cgcctcgtca	gtctactcgg	180
cgagcatcac	cattggtgca	aatctgccat	ggtagtcctg	ctatattact	tctcttaggc	240
tgtgccagga	gaaaccgcta	ccttgtttca	aatttctggc	agccagaatg	ggacaaggct	300
atctttctag	cgaccgagag	ggtctgggag	gaagggctgc	tatcgaaagg	cgggagtctc	360
tgccatggca	ttgcgggaaa	tgcattggcca	ttgctgcttt	tgcacgacag	ctgtgagtat	420
gacgacgagt	tggtggagac	tgcgaagcgg	aattacgggg	aacggggcaa	gaataccacg	480
gtcgaacaac	cgcagccagc	gctcacagga	gactactttc	tgtctagagc	tcttgcgctt	540
ctgctccatg	cgtcttcacc	acgggggttng				570

<210> 6317

<211> 441

<212> DNA

<213> A.fumigatus

<400> 6317

tgtatctcca	tagcatgcag	catgagcttc	ctgcacctgc	atcctcgtgc	aaccgagctc	60
ttcgccatta	catcggggag	cgtgttgtct	gaaatgattc	cagagacggg	ggtccttgac	120
tctgaaggcc	accaacgggt	catccgtgcc	gagctcggcc	ctggcatgct	gactgtcttt	180
cgggctgggt	cgtttccacac	gcaagtgaac	ccagactgtg	agcccgccaa	tttcaccgca	240
gcctttacct	cggatgagtt	tgccgtgggc	attgtcgtctg	cacagacatt	ttcgttcagc	300
gatgatgtca	ttgctgccac	attcggggag	actatcgctg	gtgaggatat	tgacaaggtc	360
cggcatgcta	ttcctgccac	catggccatc	aagggtgagg	aatgtttgac	caagtgtggg	420
aagcagaaac	gccaggcttg	a				441

<210> 6318

<211> 294

<212> DNA

<213> A.fumigatus

<400> 6318

cccattcaga	gctgcgaaca	aatgacgtat	atcgagcatc	ctacgggatac	tcaagttggt	60
cagaccgcac	tcgcaataat	cgcagtcctg	agcgttgact	atcccgatgt	tgaacctatc	120
caccgtggag	ttcgcatgat	tatgtctaga	cagcagcgaa	acgggggaatg	gctacaggag	180
ggtatcgaag	gcatctttta	caagagctgt	gctatcacat	acccgaatta	caaattcatc	240
ttcccgaattc	ttgcattagg	caaatttggg	agaaaatacc	cccacctcgt	gtag	294

<210> 6319
 <211> 1053
 <212> DNA
 <213> A.fumigatus

<400> 6319
 agacctacac gggcggaaga ctgggtcagt aaactaattg acatggagga tgcgaattca 60
 gattatgccg atctagcatc cgtgaatgga cccttgaaca tgattgtttg ctatatccgc 120
 gatgggcccg attcctactc tgtgcgtcgt caccgggaac gcatggaaga attcctctgg 180
 gtgaataaag aggggatgct cgccaacggg acgaacggtg tacaatgctg ggacacagcg 240
 tttctgatac aggctgtgtg gtcggctggt ctagtctgaag acgcgcagtt caagcccatg 300
 ctggtacagg cgctggagtt cctagatcga cagcagatcc gcgagaattg tcaggatcag 360
 ggcgtttgct atcgtcatgt ccgtaagggg gcctgggctt tcagcaatcg cgaccagggg 420
 tatggggtga ggcactgcat ttcagaggcg ctgaaggctg ttattgtgct tcagaaagag 480
 gccgatggat atccacagct gcttgaagac caaaggatct ttgatgccgt ggacaccttg 540
 ctactttatc agaaccctac gggcggttgt gcatcctacg agccgaccgg gggaagtga 600
 tacctcgaaa tgttgaacac agcagaggtc tttggacgta ttatggttga atatgattat 660
 cctgagtga caagcgtgt gctgacagct ttggtctgt tctccaaaca ctggcctgac 720
 taccggcgag aagagataca gacatttatc caaaggggag tggattttat caaaagggcg 780
 caacgccctg atggcagttg gtatggaagc tgggcagtat gctttacata cggcacgatg 840
 tttgctctgg aatgctgag atcagctgga gaaacttatg agaatagtga acatgtccgc 900
 aggggttgcg agtttctact gtcgaaacaa cgcgaggatg gtggatggtc agaaagcttt 960
 caggtgagta ctgaaatcaa caagccacta cactaccctt atgcttcgat aagatacttg 1020
 aaaactaacc cattcagagc tgcgaacaaa tga 1053

<210> 6320
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 6320
 ccttcggccc cgctggtgaa gattcaatth gcaactgggtg gaaactccaa gactctcatg 60
 tttgtgatgt gtagccatt gcaagctcac cttgcagaga cattgactag tctcaagttt 120
 gctacaaagg tgcacaacac acacattggc acggcgaagc gacagactcg tgttcgtgat 180
 gtttaa 186

<210> 6321
 <211> 1470
 <212> DNA
 <213> A.fumigatus

<400> 6321
 ctgaaagaca gccaccacct cgccccatc tccggtacta tcgaccgcac ggacaaagat 60
 cccctcacag ccgcttggcg cgagctccac gaagagacca ccctctcgcc cgcaaacctta 120
 acgctctggc gcatcggaac accgttcacc ttcagcgacc tcgctctcaa ccgcgaatgg 180
 accgtccacc ctttcgcctt caaactcaaa cccgcaagcc agggcgggcca aggcgaggca 240
 gccattaaaa cagaatggga gcacgaaagc tgggaatggc acgatccggc ctccatcgctc 300
 gacgacgagg ctttcggcgg cgtgccgcgt ctccacgaga cgctccgcgc agtcttccca 360
 gagtgtgaga tggacgagcg cgcgggggag accctcgcaa gggggctgga aaggttgcag 420
 caggaccata agagcggggc gcacgagctg acgggcattg cgctggcgat cttccgagag 480
 attatcgcgc agacgcacaa gatcgacgag ggggtgtgga ggacggtgcg catggccgcg 540
 tggcatctca tcaagaacgg ccgggagagc atgggtgcag cgacactcaa cgcgctctc 600
 tcaatcctcg taacgctaga cgatatcgtg catcagacga caggtgcaga gcaggatcag 660
 aaacgagacc ggatactctc cactatcgac tcgcataatcg caaatgggac agctaaccac 720
 accgcctta aagacgcatt tacctcctac gtccaaacca cttttcttgc aacgcagcca 780
 aaacgagaca gactcggcat gctcacctta tccgccagct ccacgacgcg aaatatcatt 840

ctcgacgcct	ttgactcggt	tgacgtcccc	acgctcgaac	tacgggtgct	cgaatccaga	900
ccggttttcg	aaggcgctaa	ccttgggtcc	tccatatact	cccgttcca	gtctcagttc	960
ggctcgacgg	acaagaagct	cgagatcaag	atatacacgg	atgcagcagc	tgccttggcc	1020
gcacaggaca	tcatgtcgt	cctcctcggt	gcccaccgca	tctgttcgtc	caagggcgta	1080
agtaacaaaa	cagggtcggt	gcctgtcgtg	ctcagcgcga	agcatgtcat	gccaaagcgcg	1140
aagatccttg	ttatcagtca	gctggaaaaa	gtggttgggg	acgacggcat	tctggaagat	1200
aaagttgagg	ataacgaccc	cgacgaggta	tttagtgctg	ggcgcaatga	gagggtcgag	1260
ggttcacagg	tgctcgaaga	tagtttcaga	gattccaaga	caaacaagga	caacccggca	1320
actatccaaa	tcaaaaatat	ctattttgaa	tgggttcctg	tgacgttggg	ggacgccttt	1380
gtgagcgatg	aagggggttct	cgatgaggca	gcaatccaaa	acaagtcaca	gcagctacga	1440
aagctggcac	gcaaaatactt	tgacttttga				1470

<210> 6322

<211> 330

<212> DNA

<213> A.fumigatus

<400> 6322

cgctctggcg	catcggaaca	ccgttcacct	tcagcgacct	cgctctcaac	cgcaaatgga	60
ccgtccacc	tttcgccttc	aaactcaaac	ccgcaagcca	ggcgggccaa	ggcgaggcag	120
ccattaaaa	agaatgggag	cacgaaagct	gggaatggca	cgatccggcc	tccatcgctg	180
acgacgagc	cttcggcggc	gtcccgctc	tccacgagac	gctccgccga	gtcttcccag	240
agtgtgagat	ggacgagcgc	gcgggggaga	ccctcgcaag	ggggctggaa	aggttgacgc	300
aggaccataa	gagcggggcg	cacgagctga				330

<210> 6323

<211> 594

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (591)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6323

gggtatgtac	attgtcaaga	aagggtcaag	ttcccgttcg	tgctaatact	tttacaccag	60
ttgctctatt	cgctcgactg	tgaagaagat	cgaatcgcca	tcttgacagc	gcttctctta	120
atgacatatt	ggtcggacca	tgtcaacaac	ccacaaagag	acatctggga	ttggatagga	180
atatgcaaca	cgcaggccca	ctctatagga	ttgaacagag	accccaccac	atccgacatg	240
gaccccagaa	tgaaacgggt	acgggtccgc	ctgtgggtga	gcttgtactg	togagaccgt	300
cttattgcca	tgggggttaag	gcgaccaacc	cagatcaatg	aaggaaccag	cagcggtccg	360
atgttgcgac	tggacgactt	tgattttgaa	ccgtttcatc	cgtccgtgat	tgagatattt	420
cgctgccgtc	aactggagga	tgtgtcccac	cagaagcgtc	tagcgaccat	gttcattgaa	480
aaagctaagc	tttgccagag	cattggccgc	gtactattcg	cgcaatacgc	aacttctcaa	540
tgccagttcg	gtcttcacca	cgggggtgga	agtatccacg	gtagtcagtt	ncca	594

<210> 6324

<211> 729

<212> DNA

<213> A.fumigatus

<400> 6324

tccccttctt	ctttcttctc	tagccgctca	taccccgctc	atgtatatca	aattacatcg	60
ttttctgtcc	ggtgcagcca	tctccagggt	gcctcgctca	ggatgggtgac	caccaagcga	120
aagctgtcta	gcgtagacat	cgatgcagag	ttaccaaca	ccaaaaagag	caaccttctg	180

ggatatgatg	cccgacacacc	ttggctcttc	gactccaaac	cgtcgctcgt	aggctcggcga	240
acagccggga	accctgcggt	acagcatagc	cttccgctgg	ccaacatggg	ctccacagta	300
caagatctca	ttgacccgga	tttcgacct	ctcatcgca	tacttgatga	cgaaccgcgt	360
tttctaaagc	cactaccag	tcgaatatca	tcggaggacc	tggagtttct	gagatttcga	420
ggtgcacttt	cgattcccga	gagcggactg	cgcaatgagc	tactacgatg	ctatattcag	480
tgggtgcaca	gtttcatgcc	ggtcctgaac	ctgcaagagt	tcctgcgatg	cgttgcagaa	540
aatgaccggg	aagggaacat	tagccttctc	ttgtttcagg	ccgtgatgtt	tgttgccacg	600
gcgtttgtgg	atttcaaaca	tctgcaggat	gcaggttata	agactcgaaa	gagtgcacgg	660
aatgctttct	atgaacgatt	aagggtatgt	acattgtcaa	gaaagggtca	agttcccgtt	720
cgtgcctaa						729

<210> 6325

<211> 735

<212> DNA

<213> A.fumigatus

<400> 6325

cacagaccat	ctccaaagac	cttgtttccc	aaaattgggt	ccagtctggt	gcaggctctac	60
tctggcgacg	accatgacta	ctgcgagatc	tcccaccgcg	aattcagtgg	ctctcccaag	120
gaaatcactg	tgaagagcct	cagctgggca	atgggcgtcc	gtcaccgcgg	ctttttactc	180
accagtcttt	ggaatcccat	tgacctgaca	acggggaagc	cgagagagca	ctcttcgtct	240
acgattcaga	accatctttg	cctcctgccc	gatcaactgg	gcattttcat	ccactacggg	300
gctctttttg	gatttaacgt	ggccatcctt	ctcatccggg	caattgtttt	ggtgctgtac	360
ttcccacggc	caacctcacc	tgatcccgct	ctacctctct	ccgaacaaga	cttgacaaac	420
tcttcgccat	cggtcacctc	tcttccccca	ttctccagta	cgtccagctc	tacacttccg	480
tcaccgcgcg	gtctagccag	tcgcgctgtg	aatgcaccgc	cccggcccaa	gccctaccat	540
gatgcttacc	caggactagc	agagtacgag	gccgagcaga	actccaagtg	gagaccgtcg	600
cgcgatgaat	atcggcggaa	acccgggggt	ggcggttcag	ctcttgccag	aatcagaagg	660
gagctcattg	gttcggtgca	gtatgtggcc	agcgtcgtgt	tggcatggta	cttcttttta	720
atctggcggt	ggtaa					735

<210> 6326

<211> 789

<212> DNA

<213> A.fumigatus

<400> 6326

agacccttga	cggtcaggta	cacggaccag	tatatgcgcc	gctcttttac	atctatccaa	60
agaagtttag	ggcccgaact	ggtcgtattc	cttggcgacc	tgtttgacgg	agggagagag	120
tggggaacat	catcgacgac	gagccctgag	aagcgtacc	agcaatacaa	agattccttc	180
tggaagcagg	aataccatcg	atttgtcaag	atcttctctg	atcagttcca	tgagggggac	240
gggcagtcga	cggagccgcg	aggctcgacg	atgattgcca	gcctaccggg	caaccatgac	300
ctgggcttcg	ggtcgggtgt	ccaggtaacc	gtgcgtgatc	ggttccaatc	attctttggg	360
ccaggaaatc	gcgtcgatgt	aatcgggaac	cacacgtttg	tgctgatcga	tacggtttca	420
ttgagcgcga	tggatcagcc	cgatccacgg	acgggcagct	ccgggactgg	agcgggggat	480
ggagagcagc	ctaaccgagc	tatttgaggg	gaggcgagg	acttcctcga	tgaagtgcct	540
cggcatatgg	ccaaggccga	gacggaggaa	ctgctgatgt	tgcgcaatga	gacccaagcg	600
agcaaaggcc	gtctttttta	acacgacgca	gtgcaagtgt	tggaatgtgc	gacgtcgaag	660
gaaccacagt	gggaagctct	tggtcttccg	acgattctct	tgacacatgt	gccgttgtac	720
cgcaggccgg	gttacaccgt	gtgggcctct	cagagaacgc	tatccaccct	catcagatgg	780
ggagcttga						789

<210> 6327

<211> 207

<212> DNA

<213> A.fumigatus

<400> 6327
 tcgatttcta ggctacactc aaatgctatt gtgtacaggt gtcgtgagga tgaaatttct 60
 ttgtatgaaa ttattaccct caatatcatt atactatgcc tgaacaaagg acttcttttc 120
 tatcaaggta gccgaattac caccgccaga ttaaaaagaa gtaccatgcc aacacgacgc 180
 tggccacata ctgcaccgaa ccaatga 207

<210> 6328
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 6328
 gtggttgacc ggatgcagaa agatcaggat cggaatattg atgttttcat cactggtata 60
 tcttcgcagc tcatgtcaac ttttgactcg gcactccact tggatgatca acttacatcg 120
 gacctgagcc gagaactgga aaacggccgt cttgtgcgac tgatggcgaa gctgaacttc 180
 gtgaacgaac ggccggaata cgaacatgac agacaatggc ccgagaatgg agaacgttac 240
 ttcttgaaaa ttttcgcgga ttatgtcttc catcaggtgg atgcgcaggg cgaccccgtc 300
 gtcgatcttg gccacgtgat cacatgcttg aacaagctgg atgcgggaac agaagaaaaag 360
 ataacgctaa tcagtcgaga tgagcagagc tgcttcattg tcagctacaa ggagctgaaa 420
 aaggcgctcg aatcctcatt ccaggcgctg atgaagcccg caaggagaat gcattga 477

<210> 6329
 <211> 747
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (118), (121), (178), (372)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6329
 gctcacttcc cagggatata aacaggggac gcaactgacc tacatacaca gggcgccacc 60
 aacggcatca tccatggcat taacgccatc ctcatccac cccccgaaac cctcacgntt 120
 ntgaccattg tccccccga attcagcacc ttcaccctag gcctctacaa gaccggcntg 180
 gcaaccgctc tcaacaaatc cagcacaccc caccaccacg gcggcaccat gttcgcccc 240
 tccaactcag ccttcaagca cctcggcctc aagatcaatg cattcctgtt ctctcccatc 300
 ggcgaaaagt acctgcgtgc tctgctccag taccacatcg tccagaatag gactctatat 360
 tgggacgtct tntacacggc ccaaggggag atcaagccgt ttggcgtaaa gggcttcacg 420
 catcttgatc tgccgacctt cctgcacggg cggaagctgg cggtcgatgt cgcgcgggtt 480
 ggaccatttg catcgctgaa gatcaatggc ttccagcggg tagcttttgc ggacgcgttg 540
 gccaaaggac gcactgtaca tgttgctcag cgtgttttga tcccgcctcg gaaagtcgat 600
 gattccgcgc ctgattggac tggcaatgat gatgagttga ctgttgagga tcttaaaagc 660
 cgcctcggag actgggttagc agaagacgag ggcgtggatg aggtcgaaat gatgcatgac 720
 atattggctc atgggtgccga gctgtaa 747

<210> 6330
 <211> 324
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (11)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6330
 attccccgtg nacgcttttc cttgcagccc ggcgggtgaag atccaccttt cccgcctcac 60
 caccctctct tcaacaaaaac catctacgaa ctgatcaaatt ccagcaagta taccaccatc 120
 ctgcgcaaga tcatcgacga ggatgacgag ctgggtccagt tcctgaatag cactgacgag 180
 aaccatacct tctttgctcc tacaacgag gccttttcaa agatcccca tcaactgtct 240
 ggccgcgac acgatcacga cggcgacgac caccataagc accacaaggc cccaaggag 300
 gttatccggg cgatattcca ctac 324

<210> 6331
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 6331
 cacgtcgac caggccgcta ctggcgagg gatgtgttcc ataaccacac cgtgccaacc 60
 gccctcaaag agtctgtctt cggccatgac ctgccccagc gtctggctgt ccgcgtacga 120
 tggaaggggc tgacgctgaa ctactacgc cacattgtgg ccgcagatat tgtaagctca 180
 cttccaggg atatcaacag gggacgcaac tga 213

<210> 6332
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 6332
 gtctattacc cgggagattg ggatggagct gactcgacag gcgtaatcct cgactacgat 60
 ctggcatgca aacgctccct cgagccgctg cgacagttcg actttgtggc gccggccgcc 120
 cacaccgccc gcctctccat cggcatgatg ctgcctcca cgggaaatcc gtacgtcaag 180
 gccctggctg ataattctcc gctgtacaac cggcggtggt tatatctgcc ctatgtcacg 240
 gtgatgttca gcacgggctg ccaactacgt tcgtacggtt ttcccccaac ccgttga 297

<210> 6333
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 6333
 tggctcgagg cccgcgagct ctgcgtcaag catcatgctt cctggagtag ctttgtctgg 60
 aacgaggaga gcgcgaacaa gctggtacgc gaggactttc cccatctcta cgaaatgtgg 120
 aagggtatc cgtacatgat ccagcgggtg gatgcgctgc gatatatgat actccacaaa 180
 cacgggtggtg agtctattac ccgggagatt gggatggagc tgactcgaca ggcgtaa 237

<210> 6334
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 6334
 tctctcgggt gaccagcag caagagtcag cgatgtgaag ggttgccgac tacctcgagc 60
 agcaaggatg tgttcttgag gcagccact ctctcattg ctggcgagaa cgccggttct 120
 ctctggtaca aggggaacct ggataacaag ataggagggg ccaccaagaa ggtgattgtg 180
 ccgaatgcag tccagatggg acttttataa 210

<210> 6335
 <211> 375

<212> DNA

<213> A.fumigatus

<400> 6335

accactcaag	gattcagtcg	aaaacagtc	ggaacataca	ttctatttaa	ctctgcaatt	60
ccgagccatc	ctccgcatg	ccgtccatgt	cgatcaacaa	aggacgaatt	caggttgccg	120
gcttgctgca	caagcctgca	acgtcacc	acgctcctgg	caattgtgat	cgtacatcct	180
ggagggtggcg	tcaaagagca	gacggccgg	ctccatcgaa	gaagctcgcg	caagaaagct	240
ttgtcaccgt	ctcctacgat	gcctctccac	caagccgaga	gcagaggcga	acctaattctc	300
tcggtggacc	cagcagcaag	agtcagcgat	gtgaagggtt	gccgactacc	tcgagcagca	360
aggatgtgtt	cttga					375

<210> 6336

<211> 984

<212> DNA

<213> A.fumigatus

<400> 6336

tactcaatct	ccctcatcat	gtgtttactt	tcaaagatct	ctgccagctt	actgttggca	60
atggcagctc	caagtttatc	ctaccccaca	ggtatccaat	cgtataccaa	tcctctcttc	120
cctgggtggc	actccgatcc	cagctgtgcc	tacgtagcgg	agcaagacac	ctttttctgc	180
gtgacgtcca	ctttcattgc	cttccccgg	cttcctcttt	atgcaagccg	agatctgcag	240
aactggaaac	tggcaagcaa	tattttcaat	cggcccagcc	agatccctga	tcttcgcgtc	300
acggatggac	agcagtcggg	tatctatgcg	cccaactctg	gctatcatga	gggccagttc	360
tacttgatcg	tttcgtacct	gggtccgcag	actaagggct	tgtgtttcac	ctcgtctgat	420
ccgtacgacg	atgccgcgtg	gagcgatccg	ctcgaattcg	cggtagatgg	catcgaccgg	480
gatatcttct	gggatcacga	cgggacggtc	tatgtcacgt	ccgccgagga	ccagatgatt	540
aagcagtaca	cactcgatct	gaagacgggg	gcgattggcc	cggttgacta	cctctggaac	600
ggcaccggag	gaatctggcc	cgagggcccg	cacatttaca	agagagacgg	atactactac	660
ctcatgatcg	cagagggagg	taccgagctc	ggccactcgg	agaccatggc	gcgatctaga	720
acccggacag	gtccctggga	gccatacccg	cacaatccgc	tcttgtcgaa	caagggcacc	780
tcggagtact	ttcagactgt	gggccatgcg	gacttgttcc	aggatgggaa	cggcaactgg	840
tgggccgtgg	cgttgagcac	ccgatcaggg	cctgcatggc	agaactatcc	catgggtcgg	900
gagacgggtg	tcgccccgcg	cgcttgggag	aagggcgact	ggcctgtcat	tcgttatcag	960
ccgccggatg	gaagatat	gtcc				984

<210> 6337

<211> 408

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (207)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6337

ccttgggtct	cacaagggcc	gggcagcttg	cccttcttgc	gaacagggac	aaagctagcg	60
ccaagcctca	aggccaagct	ggggccgaaa	aggaaccctc	gagcctccag	tccaacgata	120
acatcgggct	tctggttacc	gtgggtttcg	aggatgtgca	gttcaaggca	acggaggaga	180
gcttcgtgca	gggtcggatc	ggcgaanaat	aggaagatat	cctcgaaaag	aatgccagga	240
gaccggaagt	cgggggaattg	gcgccaagcg	gcgcgggatt	cttactttta	gaaccggaga	300
attcggtggt	tgccggaagg	ggatggggag	aggggtgttc	ccgccaactt	gggtgggcgg	360
cgggcttctg	ggagttttgc	gttggatttg	agaaaacaat	ttgactgg		408

<210> 6338

<211> 465
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (75)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6338
 gaatcccgcg ccgcttggcg ccaattcccc gacttccggt ctcttggcat tcttttcgag 60
 gatattcttc tattnttcgc cgatccgacc ctgcacgaag ctctcctccg ttgccttgaa 120
 ctgcacatcc tcgaaaccca cggtaaccag aagcccgatg ttatcgttgg actggaggct 180
 cgagggttcc ttttcggccc cagcttggcc ttgaggcttg gcgctagctt tgtccctggt 240
 cgcaagaagg gcaagctgcc cggcccttgt gagaccaag gctacgagaa ggagtacggc 300
 caggactttt tccagatgca agccgacgcc atcaagcctg gccagaaggt tatcgttgtc 360
 gatgacatta tcgcaactgg tgagtttgat ttatttcagg aaaatactct tcatcattca 420
 ttgacgtggt tacaggcggc tctgcctacg ctgccggaga gctga 465

<210> 6339
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 6339
 tttatttcag gaaaatactc ttcattcattc attgacgtgg ttacaggcgg ctctgcctac 60
 gctgccggag agctgatcag gaaaatgggc ggagagctca tgggattcat ctttatcctg 120
 gaactggagt tcctcaatgg acgggataag ctccctgccc cgggtgtacac tcttctctcc 180
 ggccaggaga gtaaatatca gtga 204

<210> 6340
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 6340
 agacatactg ataaggatct tggagtcaag atccacgcga ctggcgatgt gagaaatggt 60
 ttcgagttcg agattaagcg cagcagcaac ttccgcacaa acgaacttcc tcccacgaag 120
 aggataccgt tgcaatgggt ttatggccag tactttgatg aaaaagcgat gtctaacaac 180
 ggagaacaca agattgacaa tgtgcctgta tgtcagttcg agggcagtgc gcacaagatt 240
 aaggccctcg ggaagagcct gaatacaact agtgatgctg taagtcccaa ctatatctct 300
 catgcagcct cttgctctgt ctcggtgtcc gggaatcata tcttctaa 348

<210> 6341
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 6341
 ctcgagaact gtctccaggc atcgctgta cgggaggcgg ccaggaaagg tcatgcgggg 60
 gttgtgcagc agctattagc ggttgcggga gtcaaccacg ctgctgttga tagacaccat 120
 agcactccgc tgatagtggc agatctgcaa gggcatgccg aggtgggttaa gcttttactg 180
 gcgacaggca ggggtgcagc taacacaagg gataacaagg gaatgacacc attaattgtac 240
 gcggccaaat ttcagcggaa tcctgttgtc gaggttcttc tatcaacagg ccagggtgcag 300
 gtcgactttg atctgagaaa gctgagcaag ggacctcgct cattaaatca acaaaaccca 360
 acattggatc agtctcttgt tgaggttatc gatgcctaca aaagagacaa tgcacgcggc 420

aaatcagggtc tgcttctgaa aggacaaaag ccaatgtttc tgatagtttt gtgccctccg 480
cctccttag 489

<210> 6342
<211> 189
<212> DNA
<213> A.fumigatus

<400> 6342
gtaaaggata tcgagaggac ataccataac accaaccattc catatatcga cggggttaact 60
ccaatcgact ttcagcatca cttccggcga tctataaaca tttggctgcg catcgtgatt 120
tctcctctga tctccacgta cggcagagcc aaaatcactc aacactgctc aaccaaacac 180
ctttggtaa 189

<210> 6343
<211> 288
<212> DNA
<213> A.fumigatus

<400> 6343
gcagtgttga gtgatttttg ctctgccgta cgtggagatc agaggagaaa tcacgatgcg 60
cagccaaatg tttatagatc gccggaagtg atgctgaaag tcgattggag ttaccggtc 120
gatatatgga atgttggtgt tatggtatgt cctctcgata tcctttactc accagtcggg 180
aataacgttt ataggtgtgg gatttggttg aggggaagca tcttttctat ggaaatgact 240
cagatggcaa aggggtattca acccggggcgc actttgcgga agttatga 288

<210> 6344
<211> 600
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (597)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6344
gttcgtcttg ctaagcacac gagaatgatc ctcgctgaaa tcaacatcta cgcagaagat 60
ggctcgttcc atggtaacgg gtttttcatg cacatgccag gtgctaagaa gcccttcatt 120
ctcacggccg cacacaacat catcagtaag aacggggatc cttcggagaa catcgtcatg 180
agagtaatgg gctcaaagaa gcggttcctt attcacggaa gcaccgtccg catctgtcct 240
gcgtatgagc aaaacccac aactgccgcg gaagaagcag actgggctct catcttcgca 300
ccggacgagc ttgaacaaga cccagcacgc gcaggcatcg ggccactggg ctttgcgctg 360
aagctggcct acgaagagcg cctggactgt gagatgcgcg tgaccggggt tccagtttcg 420
agcaagaaaa acagcccaaa cgcaaccacg atggggccgg tgactacgac aggaaaatgt 480
ctgaaccgga tcgtactccc cgctcagctg gagtacaccg cgaagacaga taaaggactg 540
agcgggtcgc cgggtgtggac aatgtatcac ggagtcccaa ctgtcctcgc tatccantaa 600

<210> 6345
<211> 798
<212> DNA
<213> A.fumigatus

<400> 6345
gtaaggagaa agggactttt gttcatccca gcaccaacgg ttgcaggcgc ggataaatatc 60
cgtaattgga ccaactgggg aaccacctgg tcgagctgga ccaagtacca tggcggtaac 120

gacaccatcg	aagagctgcc	gtggcaaggc	accaaaggac	agcgggtggga	aggcaaacac	180
gtccgcgtgg	aatactggag	cggccttgacc	ggtagcagcg	actactacca	agaagggtgat	240
gtgggctggc	cccaccaagt	gccccgtcga	ttccctcata	tccatttcaa	cggtcctttc	300
aaccagtttg	gctacgatgg	cggtctcccc	aacaagctca	agctggacac	caccactggg	360
cattggaagt	accacttcac	ctacgagtgg	cctgcacaag	ctcagatcaa	cgtctggggc	420
atgaaccccc	atggcaggcc	ggaccagagt	tgggtgctgg	gcgacatcga	cggtgaccac	480
gttttgacc	ggatgcccc	gtcgtctctg	tcggcgacca	tgatcaatat	cacggacctt	540
ccgccgtcac	ctcacctcgc	gtggatcatc	tcgatcaacg	acgggaccat	gcggtatacg	600
ttagaacca	ccggtgatca	aagtacgcag	atggccatgt	acattctctt	ctggattgtg	660
cccttgctca	cagggtgcgg	gtgcgtctac	ttgttcaaga	aatccttcta	ccagggtcaag	720
ttcaaccagg	tcggtgtcag	ccaaaagcgg	acgctcatte	ccctggggcc	ttcagcggaa	780
ggtcacgcgt	gcccgtaa					798

<210> 6346

<211> 1647

<212> DNA

<213> A.fumigatus

<400> 6346

aaccaccgg	tgatcaaagt	acgcagatgg	ccatgtacat	tctcttctgg	attgtgccct	60
tgctcacagg	tgcggtgtgc	gtctacttgt	tcaagaaatc	cttctaccag	gtcaagttca	120
accaggctcg	tgtcagccaa	aagcggacgc	tcattcccc	gggcccttca	gcggaaggctc	180
acgcgtgccc	gtaatggcga	gggtgaggct	atgaaccccc	tgatgcgcct	ggccaacaag	240
tccggtttcc	tccagagcgc	gacggatctc	acagccgctt	cgggcggttc	caaacgccgc	300
atggtcctca	ttgccacgat	ggaatacgat	atcgaggact	gggccatcaa	gatcaaaatc	360
gggtggtctcg	gtgtcatggc	tcaactgatg	ggcaagaccc	tcggccacca	ggatctcatt	420
tgggtcgttc	cctgcgtcgg	tggagtggac	taccctgttg	accggccccg	ggaacccatg	480
atcgtcacca	ttctgggcaa	accgtatgag	gtccagggtgc	agtaccacat	cctgcagaat	540
atcacctacg	tcctgctgga	tgcgcgggtt	ttcgtcaac	agtccaagtc	agagccctac	600
ccaccgcgta	tggatgacct	cgacagtgtc	atttactatt	cggcgtggaa	tcagtgcatt	660
gctcagacta	tcaagcgggt	ccccattgac	ctctaccata	tcaacgatta	ccacggatcc	720
ctcgcacccc	tctatctcct	gccgcaaacg	atccccgctt	gtctgtctct	gcacaacgcc	780
gagttccagg	gtctctggcc	catgcggaca	gaaaaggaaa	aggaagaggt	ttgctccgtc	840
ttcaacctgg	ataaggaaat	cacccgccgc	tacgttcagt	tcgggtgaggt	tttcaatctg	900
ctgcatgccg	gtgccagtta	tttgctgtgc	caccagcaag	gattcgggtgc	tgtcgggtgtg	960
tcgaagaaat	acggtaaacg	ttcgtatgct	cggtatccca	tcttctgggg	cctgaagaag	1020
gtcggcaacc	tgcccaaccc	tgatccttcc	gacgttggcg	agtggaacaa	ggaaaaggcc	1080
ctcgccaaga	gtgaggaccc	acctgtcgat	caggaattcg	aagccggtcg	tgctgagctc	1140
aagcgccagg	ctcaagaatg	ggctggcctg	gagcagaacc	cggacgctga	tctcctcgtg	1200
ttcgttggtc	gggtgtccat	gcagaagggt	gtagatctga	ttgcggatgt	catgcctgct	1260
gttcttgagg	ctcgtcctaa	tgcttcagctg	atctgtgtcg	gcctgtcat	cgacctgtac	1320
ggcaagttcg	ctgccttgaa	gctggaccgt	atgatgaagg	tctatcccgg	ccgtgtcttc	1380
tctcgtcctc	agtttactgc	tctgcccccc	tacatcttct	ccggtgctga	attcgccctc	1440
attccctccc	gtgacgaacc	gttcgggtctg	gtcgccgctg	aattcggccg	taagggtgct	1500
ctcggtatcg	gtgctcgcgt	ctgtgggtctc	ggtcagatgc	ctggctgggtg	gtataatgtc	1560
gagtcaatga	ccaccgccca	tctgtctccat	cagttcaagc	tggcgattga	gggtgctttg	1620
aaatccaaac	cccaagggtcc	gtgctaa				1647

<210> 6347

<211> 393

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (63), (86)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6347

accaacggtt	tccgggtccc	ccaatggatt	gaagatcttg	agatcctgca	atctacattc	60
atnogaatcc	acaacaaggg	agcctncaag	tccaacatta	gtcccgtgac	ttctaccogg	120
cccatgaccc	cttggggact	gggtacgatg	aacccaactt	tccccgggtg	ttggaaccca	180
gacccgggtg	ggacgcactt	ttgccgagat	tgcttcgtga	acctgaagga	attgtcagaa	240
attgggcaca	ataacggcga	aaccattatt	ttcttaaagc	aaaacaacct	ttgggtggga	300
atggatggaa	aacctctgcc	cggtatggcc	ccaaaaacgg	ccttgggggt	ccataccggc	360
ccggggatat	taaccggccc	gggggggggg	gaa			393

<210> 6348

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 6348

tgcagttgcc	acgtagcgag	aaagtataga	gatgagccac	gaccaagaca	gggcctgctt	60
cgcgggcgag	agtttcttat	gaaggatctc	tacacgttcg	attacagtgt	tgaagaagct	120
ttgaagacgt	acaacttagt	gaaagcggct	tacaaaaatc	tttttgatga	gctgaagata	180
ccttacctag	tcgctgctgc	agactctggt	aatatgggcg	ggagcctgag	ccacgaattc	240
cattttccca	gctcgaaaag	cgaagacact	gtcatcagct	gctcgaactg	cgaccatgtc	300
tacaatgacg	aactcgcaga	tggaaaggca	catggcatcg	aggaggctca	aaatgccggg	360
tctgggcaag	tatcaggctt	cgacacgggg	gcaacttcaa	ccggggatag	tccaaccgtc	420
tcagttgatt	tatggatggc	gatatcaaga	gacaaaaaga	ctctcttgcg	gggatgggtac	480
cccaagttct	ccatgcgcga	agcaaaccac	gagcccgtgg	aacgcgaagt	caactcccat	540
gcagtcaa	ctatagccac	cgcagccggg	gttgacatcg	accttagcgt	agagaatccg	600
cttgaacaat	gggtctcaca	ggtcaagtct	gacaggggaat	ccagtatctc	cggctcttct	660
gagcgtccgc	aggtcctgga	tctgtatgac	gcacaggtaa	gagtatacaa	gcgcccgcct	720
ctaggtgacc	ttctggagaa	ggtcaaccgc	actgcgggat	agattgatta	ctccatgctc	780
gatecgttcc	ccggcacgaa	tcaagcgtcg	aaccttgtca	aagtacaaga	tggcgacaaa	840
tgtaccaaat	gcgcaaaagg	ttccttaaag	accatacgg	ctgtcgaact	cggccacaca	900
ttccacctgg	gcacccggta	cagcgaagtc	ctccaggcat	ccgtcatggt	tgatcgatcg	960
ctatcggggg	gctctcaatc	caaagaccag	ctgggtgccc	tgcagatggg	ctgtcatggg	1020
attggcgtct	cgcgcatgat	cagtgcctgt	gctgacagtc	tctcagactc	aaagggcctt	1080
aattggcccc	gagctatggc	gccctatgaa	gtagtactcg	ttcccgggaa	gggactggag	1140
atccaggcag	agaaaagtga	cgattctctc	gtctcaaatc	acacctcttc	cgttgacgct	1200
accttgatga	accgcgacaa	accgatggga	tggaaaactcg	gggacgcaga	cttgattgga	1260
taccctgtta	tcgtttagt	tggcaaagg	tggaaagaagg	cacagaccct	cgagggtacaa	1320
tgctgctgct	tgaacaatct	acgcgaagac	gtgccattgg	atcagctgcc	gtccttcgtg	1380
cagtccttac	tagagcgact	atga				1404

<210> 6349

<211> 387

<212> DNA

<213> A.fumigatus

<400> 6349

gctctcgctt	cccttgcata	tgccataact	ggatatattc	cgtattctgc	actttccaat	60
cggagagccg	tgattaacgg	agcgtccaca	gtgaacatca	catctctctc	tgtgcctcaa	120
ctccgcgccc	tccaaacccg	cctcacctcg	gagcttgagc	atctgaccac	ctcgcatcag	180
aaactgcgcg	ccgcgcaatc	cagattccgt	gatttgtgtc	gatccatcaa	tgatgggggt	240
gtgggttcgg	agaagaagg	aacagctggg	aaggatgata	tactggttcc	tctgacgagc	300
tctctgtatg	tgaggggtaa	gctcgcggat	cgagaaaagg	tgcttgtcga	tgttgggacg	360
ggcttttatg	ttgagaaggt	tagttga				387

<210> 6350
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 6350
 gaatatgagc acaaaggagg aaagtgtgtg tctgtggactt caaagaaatt cattcctatt 60
 catccgagtc gagacacgat aacatgctgc atcgttacaa tgcacgagtc aggatccaag 120
 aacacgaaaa cccgttttcc atcaaacaac cagcatatga agagtaacat gaaaacttgc 180
 cagtattgct ag 192

<210> 6351
 <211> 612
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (113)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6351
 aaaaccgtat catcgagat ggtggctccg ttcaaaacat tcccaacatt ctgcgccaca 60
 tcaaagctct ctacaagacc gtgtgggaaa tctcccaacg taccatcctg canaatggcc 120
 gccgaccgtg gtgctttcat tgaccagtct caatctctca acattcacct gaaggagcct 180
 actatgggca agctcaccag tatgcacttt gctgggtgga aaatgggttt gaagactgga 240
 atctattacc tgcgtaccat ggcagcctcc gctcccatcc agtttactgt tgatcaggag 300
 caatttaagg ttgctgatac taatgttgct cgagccaacg ctgcatacaa gaagagagcc 360
 gccggatccg tgcataccac ataactctgct gttcctcgta caacgagcgc tccgctcaac 420
 ggccacagcg aggacggcag cccgcgagct cttgccgcgc atgtcactgc agatagtga 480
 accggcgtga acggctccca ggaggaagat gatgagcggg agagcggcga gcgggagggc 540
 gacatttact ctcaaaaggt ccttcagtgc agcatcgaga ataaggaggc ttgtctgatg 600
 tgccaaggtt ag 612

<210> 6352
 <211> 960
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (930)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6352
 aaggctcaaa agctttggta tgctattctt gaggtcaga ccgagactgg caaccctttt 60
 atgctttaca aggatgcctg caacaagaag agcaaccaga agaacctggg aactattcgc 120
 agctccaatc tttgcacgga gatcattgag tacagtgtc ctgacgaagt tgctgtctgc 180
 aacctggctt ctctcgcgct tctactttt gtcgacgcgg cccgtggaga gtatgacttc 240
 ggcaagctgc acgaggttgt gcaggtcttg gttcgtaact tgaacaagat tattgatgta 300
 aactactacc ctgttccaga ggccaagaag agcaacatgc ggcacgcgcc cattgctctt 360
 ggtgtcaatg gtttggccga tgccttcctt gccctgcgcc tgccgttcga ctccgcgaa 420
 gcaagacagc taaacatcca gatctttgag accatctatc acggtgcttt gactgcatct 480
 tgtgagctgg ccaaggagtt tggctcctat gaaacttacg agggctcccc cgtctctcag 540
 ggtattctcc agtatgatat gtgggacaga acccccacgg acctctggga ctgggattct 600
 ctgaaggcga agattgcccc gcaagggtgtt cgtaacagtt tgttggtggc accgatgccc 660

accgcaagca	ccagccagat	tctgggcttc	aacgaatgtt	ttgagcctta	cacctcgaac	720
atctactctc	gccgtgttct	tgctgggtgag	ttccaggtcg	ttaacccttg	gcttctcaag	780
gatcttgtcg	accttgggtc	gtggtcggac	aacatgaaaa	accgtatcat	cgcagatggt	840
ggctccgttc	aaaacattcc	caacattctc	gccgacatca	aagctctcta	caagaccgtg	900
tgggaaatct	cccaacgtac	catcctgcan	aatggccgcc	gaccgtggtg	ctttcattga	960

<210> 6353

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(13), (14), (22), (41), (51), (52), (54), (55), (57), (63), (64), (78), (82), (83), (84), (85), (101), (102), (104), (114), (115), (117), (118), (119), (120), (121), (122), (123), (124), (125), (126), (127), (128), (129), (130), (131), (132), (133), (134), (135), (136), (137), (138), (139), (140), (141), (142), (143), (144), (146), (147), (149), (152), (177), (178), (179), (180)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6353

cccccccccc	ccnncccccc	cnnccccccc	cccccccccc	nncccccccc	nnnnnncccc	60
ccnncccccc	cccccccncc	cnnnnaaaaa	aacgaagtac	nnanccaaac	caanntnnnn	120
nnnnnnnnnn	nnnnnnnnnn	nnnnnannanc	anaaaaacac	taagaacacc	caaaaannnn	180
ggtaggaaga	aggatctgga	gaaagacgga	aggcagtcag	acagagagac	tgactga	237

<210> 6354

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 6354

ttagtttttg	ccaagtggca	tccgaacgta	tccaaattgg	atcaatacac	gccggcgcga	60
tcatggtcgg	ccctcatgga	ggccagtatg	oggcagtcgg	gcctccatac	atatgggagt	120
gtccgtgtta	ttgccacact	gcctttgttc	gaggcgcaga	cgatccttcc	acgatcagtg	180
tccaatcgca	gccgtccggc	tttgatcacg	gaaaatgtcg	ctttacacgc	ctttgaagtc	240
gcacgcactc	aggatccaag	cgtctggact	atggccaagg	gatgggacct	agcagctgcc	300
aacgcggcac	gtgtcgctga	aaggagcgcg	caacacaatg	ttatagttcc	tgacagtgca	360
caagtcccgc	cggtaccctt	ggctccagag	gcgcctgagc	cggggcactc	tccctatccc	420
tatgtatctc	gcctcaaaac	cgatatgcac	gacaggatct	tgaaaacgat	caagactgcg	480
gagaagtctc	ccagtgatat	cgcttgaag	aaaaagaaac	agagggcact	gatccaattg	540
agatacgaca	atcggaactc	attccttcgc	aaagagctgg	cggacaaaca	gatcaagatc	600
gacgagctca	atcgatccct	ggcgcgtaag	gctgcagatt	ccaccgccga	cttgaggat	660
ctccagccga	tcctggacca	gataggttcc	ctcaaagccg	acatcgccaa	gctaagttcc	720
gaggtccact	atgaagtcct	ccaccacgtc	ccgaacatga	ttgacgacgc	ccgcagcgcg	780
ctctccaccg	gcagcttcga	tgatgcagtc	ctcctttggg	accggcgccct	gtttgagccc	840
ctccacatcc	agcccagga	actctacccc	agagaaaaccg	acatgactat	gatctacttc	900
gaggccgacg	ccaatcccc	catcatgcgc	ctttgcaacc	aggtcgacga	ggcctccaga	960
gccgatctat	atcgcattha	cgaggccgtc	tccctcatth	ttggcagccg	cagcgcaatg	1020
cccgtctccg	agcttctcaa	tgctctcttt	cccaacgcag	ccatcaacga	cctcgccgcg	1080
gccatcccca	gcctagcaac	gcatgctgcc	agaacgccca	agccgaactt	tgacagcctt	1140
cccaaaaaccg	tccacggtcg	gccgggagaa	gaccccagca	aacaactaga	ccctgtgttc	1200
aattttccagg	agaacttaga	ttatgacctg	agcgacgtgc	ggatccgctg	tctctcctct	1260
atcacgctgt	gggagatcat	cctggagtat	cagaaaagaga	acgatacggg	ggtcaacgtg	1320
gtgcagttga	atcgtctgct	tgggggaacg	ttgacctcgt	tccgggctgg	tgaatatggc	1380

atggaaccta aaaagcttag atag

1404

<210> 6355

<211> 546

<212> DNA

<213> A.fumigatus

<400> 6355

accaccatga	agaccatctt	caccaacggc	cgcatattcg	cgccctcgtc	aaacgatcta	60
aacgcagaca	atgcatttgc	ggaatcaatg	gtcattgaag	acgaccacat	tgtcaatgtg	120
ggtgtacagg	acaaggctcc	ctctggagac	tatacaatcg	acttgaatcg	ccgaattgtc	180
gtgcccggct	tcatcgacgg	ccacgtgcac	atcctcaact	ttggtctgtc	cttgggcaag	240
ctcgacttga	tggactgtac	atgtctagag	gacattcagg	cggccattag	atcatttgca	300
gcaagtcata	ctactgcgcc	tctgtctctc	tgcgagcat	ggattcaatc	aacaaccagt	360
ggcgttgctc	tggcaagtat	gcttgacgac	ttggaccctc	gaccgattca	tatcgaatcc	420
ctcgatttac	actcagtctg	gttgcatctg	gcagccttag	aagaaatggg	tatctcctct	480
accgcgcatc	cacctggcgg	aacgatccac	cgggatgaga	aacggaaaac	catcggggcc	540
ccttga						546

<210> 6356

<211> 570

<212> DNA

<213> A.fumigatus

<400> 6356

atgccgttct	ggccacatcc	accggcgaag	ccaccgtcat	cgagaatgcc	atctgcatcc	60
acgaagaaga	caacggactg	ctgtacaagc	atactgactt	ccgagacggc	aacgtcatct	120
cagctcgaga	ccggaaactc	atcatctccc	agatcattac	cgcggaacac	tacgagtacg	180
ccttctacca	caccttcacg	ctcgacggga	cgtacaagct	cgaggtcaag	ctcactggca	240
tgctcaacac	gtactgcctg	caccctccg	aacaagccgc	ccccttcggc	accgagatcg	300
cccgcggcct	cgacgcccag	aaccaccagc	acatcttctc	cttgcgcgtc	gacccggaaa	360
tgcacggccc	cggcaatact	gtcgtgcaga	gcgacgcggt	ccccatggcc	gaccccgctc	420
gctccccgc	caacccttac	ggcaacggct	tctacgaaa	gaagaccccc	ttgcgcaccg	480
ccctccaagg	cgatcggac	tactgccacg	aaacctcccc	cggatgggac	atcatcaacc	540
cctccgtct	tcaccacggg	gctggaatga				570

<210> 6357

<211> 483

<212> DNA

<213> A.fumigatus

<400> 6357

cttccgagac	ggcaacgtca	tctcagctcg	agaccggaaa	ctcatcatct	cccagatcat	60
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gctcgaggtc	aagctcactg	gcatgctcaa	cacgtactgc	ctgcacccct	ccgaacaagc	180
cgcccccttc	ggcaccgaga	tgcgccggg	cctcgacgcc	cagaaccacc	agcacatctt	240
ctccttgccg	gtcgaccggg	aaatcgacgg	ccccggcaat	actgtcgtgc	agagcgacgc	300
ggtccccatg	gcccaccccg	tgggtcccc	cgccaacccc	tacggcaacg	gcttctacgc	360
aaagaagacc	cccttgccga	ccgccctcca	aggcgcacgc	gactactgcc	acgaaacctc	420
ccgcggatgg	gacatcatca	acccctcccc	tcttcaccac	ggggctggaa	tgatccgttc	480
aat						483

<210> 6358

<211> 978

<212> DNA

<213> A.fumigatus

<400> 6358

gtatgcctca	ggctttcaga	aggagtatgt	catactaata	tggcagaccc	cctgtccgct	60
gatgagatta	ccaccgctgc	tacgctcctt	cgccagcgtg	cgacaccaac	ggcactcaag	120
tttaactgca	ttacccttca	cgagcccctc	aaagctgagc	tgaacgcttt	cctcagtggg	180
acaggacccc	gtcctgcccg	tctgtctttt	tccatcatcc	tgaaaacggg	cacacccgag	240
gtctccgagg	cgattgtcaa	cctgaccgca	aagaaggttg	aatcatggaa	gaatgtcaaa	300
aatgtaatgc	agacgctgac	cctggacgac	ctcaacatca	tcgagcacat	cgccagcaag	360
gattgcagga	tcattgaagc	atgccgggag	atcggcacat	ctgacatgta	tcgggtatat	420
tatgatgcct	gggcgatcgg	gatcgacgag	cgctggggct	ttgagcgcgg	gctgcagcaa	480
gactgcccgt	attaccgcag	ctcccaacat	gacaatcagt	atgcgcaccc	gcttgatttt	540
acagtggtcg	cggatcacga	gacgcaggag	atcctcagcg	tggaacgtcag	acgtgtgaat	600
ggggaacgta	ctccagtgcc	tctggacgag	cacaactacc	ttcctcagtt	tatcaaagat	660
cagtaccgtc	cagagcgcct	caaggcgatt	gaaatcacgc	agccggaggg	tgtttcgttc	720
aagatgaacg	gcaatgagat	tgaatgggccc	ggactgaaaa	tgcatattgg	gttcaactac	780
cgcgaaaggca	tctgtctatc	caacgtccgg	atcgatgacc	cgtacgagaa	ccgcgagcgg	840
aagctcttcc	accgggtcag	cgtgggtggag	atggtggtgc	cgtatggctg	tcctaagccc	900
cctcatcaca	agaagcacgc	ctttgacgtg	ggggaatacg	gttcgggggtt	catgaccaac	960
tcgctcaagg	atggttga					978

<210> 6359

<211> 609

<212> DNA

<213> A.fumigatus

<400> 6359

gactgcaagg	gggccatcca	gtacctagat	gccgttcttg	ccacatccac	cggcgaagcc	60
accgtcatcg	agaatgccat	ctgcatccac	gaagaagaca	acggactgct	gtacaagcat	120
actgacttcc	gagacggcaa	cgatcatctca	gctcgagacc	ggaaactcat	catctcccag	180
atcattaccg	cggcaaaacta	cgagtacgcc	ttctaccaca	ccttcacgct	cgacgggacg	240
tacaagctcg	aggtcaagct	caactggcatg	ctcaacacgt	actgcctgca	cccctccgaa	300
caagccgccc	ccttcggcac	cgagatcgcc	cgcggcctcg	acgcccagaa	ccaccagcac	360
atcttctcct	tgcgcgtcga	cccggaaatc	gacggccccg	gcaatactgt	cgtgcagagc	420
gacgcgggtc	ccatggccga	ccccgtcggc	tccccgcga	acccctacgg	caacggcttc	480
tacgcaaaga	agaccccctt	gcgcacccgc	ctccaaggcg	catcggacta	ctgccacgaa	540
acctcccgcg	gatgggacat	catcaacccc	tcccgtcttc	accacggggc	tggaatgatc	600
cgttcaatt						609

<210> 6360

<211> 375

<212> DNA

<213> A.fumigatus

<400> 6360

cgccgagctt	ctgattatac	catgctccct	cttccaccag	cggtaacggc	cttgtccgcg	60
ccgggcaagg	tcctcctcac	tgggggttat	ctggtcctgg	accgcagcta	cactgggact	120
gtgttcgccc	ttgacgccag	aatccatgtc	attgttcagc	aattgagacg	gaaccatcgg	180
cggaagccg	cctcgggac	cgcgcacggc	cggtcggaca	cacctcaggc	ggaaggcaat	240
gttcatggag	acaaggaaga	cgaaggcacg	atcgctgtac	actccccaca	gttcgtggat	300
gcggtatggg	agtatagcat	acaaagatgc	gaggacgggtg	gaggagtcct	agtgaacacg	360
agaaatgatg	ggtaa					375

<210> 6361

<211> 1155

<212> DNA

<213> A.fumigatus

<400> 6361

agcaacaata	ttatagtatc	agtaaattgc	ccaggagctg	acccatccag	gccacgcaac	60
ctgtttgtcg	agacctctct	gaacttggcc	ttgacttaca	tcagctatgt	ggccgactcg	120
aaggatttctg	ggtcattatc	gattactatc	ctcgccgaca	acgattacta	ctccgagacg	180
gccttctcca	aggcttcggg	actccggctg	tcaagcagat	tcgtggactt	tggtgttcgc	240
cttcaggagg	cacacaagac	aggcctgggc	tcttcagccg	ccttggtcac	tgccctggtg	300
tcgtctctcg	tcatccaccg	tactatgcaa	cccagacgatc	tcggtccagg	ccgcgacaag	360
cttcacaatc	tggcccaggc	ggcccactgc	gctgcgcagg	gtaaagtcgg	gtccggcttc	420
gatgttgacg	ctgccattta	cggctcctgt	ctctacagac	gcttctcccc	ctcgattctc	480
gaatcagtg	gtgacgctgg	ttctccaggc	ttcgaagagc	ggttggtccg	gatcgtagag	540
gacgccgacc	cccagcatcc	gtgggacacc	gaatgtctag	acttcggcat	gaagctcccc	600
cgcggaatgc	aaatggtcct	ctgtgacgtc	gaatgtgggt	cgcagactcc	atccatgggtg	660
agaaagggtt	tggagtggcg	gaaacagaat	cagaaggaag	ccgatatgct	ctggggcgct	720
ctgcaatcga	acaacgagag	acttcgcctg	gaactcagac	gcttggcaca	gagcccgac	780
gaacatactc	tcagtgaactt	tgaatatgtc	cgcacctata	ttcagcgctc	gcgtaaccac	840
atccgttcca	tgactcaaaa	gtcggatgtc	ccaatcgagc	cgcgcgtcca	aaccgagcta	900
cttgacgctc	tgtccgagct	ggaggggtgtc	atcgggtggtg	tggttccagg	agcagggggc	960
tacgacgcca	ttgtgtctct	catccaagac	aatccggatg	tgatcaccag	attgaaagcc	1020
ttctttgaga	cttgggagag	caaagcggag	gacgatttcg	gtggcaagat	tgggaaagtc	1080
aggcttcttg	gcgtccgcca	tggatcagag	ggagtcaaga	acgagatgct	cgagcaatat	1140
gcgggctggg	tgtag					1155

<210> 6362

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6362

acaccaccgt	cggatccttc	cagccccgtg	gtgaagaccg	cgaaggagct	gccgcggctt	60
acggacgagg	agatcgaggc	caaggcggcg	gagtatggaa	tcctggacga	caatgagaag	120
actgaggaga	gagttatgga	gggggatccg	gccgcgacgg	cggagtcttc	gtctttccag	180
cctactcagc	tataa					195

<210> 6363

<211> 327

<212> DNA

<213> A.fumigatus

<400> 6363

aaatctggct	ggtatcgccg	ttgcccggtg	caacgagcgg	ctcaaaccoc	ggaagtcattg	60
gagaaaaaca	cccgtgtcga	tcttctgtct	cgctgatgg	aaggcaagga	cagcaatggc	120
aacaagctcg	gccgcgagga	actcactgcc	gaggccttga	cccagctcat	cgctgggttcg	180
gacaccacct	ccaacaccac	ctgcgccatc	ctctactggt	gcatgtcaac	tcccggcgtc	240
atccccaaagc	tccagaaggt	tctcgacgag	gctattcccc	acgacgtcga	tgttcccaca	300
cacgccatgg	tcaaagatat	tccatag				327

<210> 6364

<211> 612

<212> DNA

<213> A.fumigatus

<400> 6364

tatcttttga	atgtctactt	actaccctac	agcgatttct	atgatgcctt	tgtctcgatt	60
cgccgcgggtc	ttttcaatac	tcgcgaccgt	gcagaacata	cccgcgaagc	caagactgtc	120
tctcatacat	tcagtatgaa	gtccatcggc	cagttcgagc	agtacatcca	ccaaaacgtt	180

gagctgttcg	tccagcaatg	gaccaagctc	gccaagctca	atggtaatcc	ccggtccgga	240
tatgccacca	tgcagctct	caactggttt	aattatctgg	cttttgacat	catcggcgac	300
cttgcccttg	gtgccccctt	tggaatgctc	gagaagggca	aggatatagc	tgagatgcga	360
aagactcctg	actcggaacc	cacctacgtc	caggctgtgg	aggtcctcaa	ccgccgtggt	420
gaggtctctg	ctactctcgg	ctgtctcccg	aggcttatcc	cctatgccaa	gtatctcccc	480
gaccgcttct	tcaaggatgg	cgttcaagcc	gttgaaaatc	tggctggtat	cgccgttgcc	540
cgtgtcaacg	agcggctcaa	accccggaag	tcattggagaa	aaacacccgt	gtcgatcttc	600
tgtctcgct	ga					612

<210> 6365

<211> 765

<212> DNA

<213> A.fumigatus

<400> 6365

cccagctcat	cgctgggttcg	gacaccacct	ccaacaccac	ctgcgccatc	ctctactggt	60
gcatgtcaac	tccccgcgtc	atccccaaagc	tccagaaggt	tctcgacgag	gctattcccc	120
acgacgtcga	tgttcccaca	cacgccatgg	tcaaagatat	tccatagtat	gtccctatgt	180
cctgttgcgt	cctccccctt	ttcgccactt	gctaacaacc	cttacagcct	gcagtgggtc	240
atctgggaaa	ctatgcgcat	ccacagcacc	tccgccatgg	gtcttccgcg	cgagataccc	300
cccggcaacc	ccccagtcac	catctccggt	cacacctttt	accccggcga	cgtggtctcc	360
gtccccagct	acaccatcca	ccgctccaag	gaaatctggg	gccccgacgc	cgaaaaattt	420
gtccccgaac	gatgggaccc	cgcccgctt	accgcgcgcc	aaaaggccgc	tttcattccc	480
ttctccactg	gtccgcgcgc	ctgcgtcggc	cgcaatgtcg	ctgagatgga	actactcgtc	540
atgactggca	cgatcttcgg	gctcttcgag	tttgagatgc	agcaggatgg	acccatggag	600
acgcgtgagg	gcttcttcgc	caagccccctt	gggttgattg	ttgggatgaa	gcggagggct	660
gtgcatgctt	tctgtttgaa	cacctaccag	gtaccaatat	gttgggttgg	tgggaattcaa	720
ggatttgact	ttggaggaat	tatacgcgtg	ggaggccctg	attaa		765

<210> 6366

<211> 870

<212> DNA

<213> A.fumigatus

<400> 6366

ctgagatgcg	aaagactcct	gactcggaac	ccacctacgt	ccaggctgtg	gaggctcctca	60
accgccgtgg	tgaggctctct	gctactctcg	gctgtctccc	gaggcttatc	ccctatgccca	120
agtatctccc	cgaccgcttc	ttcaaggatg	gcgttcaagc	cgttgaaaat	ctggctggta	180
tgcgcgttgc	ccgtgtcaac	gagcggctca	aaccccgga	gtcatggaga	aaaacacccg	240
tgtcgatctt	ctgtctcgcc	tgatgggaag	caaggacagc	aatggcaaca	agctcggccg	300
cgagggaactc	actgccgagg	ccttgaccca	gctcatcgct	ggttcggaca	ccacctccaa	360
caccacctgc	gccatcctct	actggtgcat	gtcaactccc	ggcgtcatcc	ccaagctcca	420
gaaggttctc	gacgaggcta	ttcccagcga	cgtcgatggt	cccacacacg	ccatggtcaa	480
agatattcca	tagtatgtcc	ctatgtcctg	ttogetcctc	cccccttttcg	ccacttgcta	540
acaaccctta	cagcctgcag	tgggtcatct	gggaaactat	gcgcattccac	agcacctccg	600
ccatgggtct	tccgcgcgag	ataccccccg	gcaaccccc	agtcaccatc	tccggtcaca	660
cctttttacc	cggcgacgtg	gtctccgtcc	ccagctacac	catccaccgc	tccaaggaaa	720
tctggggccc	cgacgccgaa	aaatttgtcc	ccgaacgatg	ggacccccgc	cgccttaccg	780
cgcgcacaaa	ggcgcgttcc	attcccttct	ccactggctc	gcgcgcctgc	gtcggccgca	840
atgtcgcgtga	gatggaacta	ctcgtcatga				870

<210> 6367

<211> 279

<212> DNA

<213> A.fumigatus

<400> 6367

gtaaaccagg	acggcggttg	acctctcaca	gcggacattg	atccgtccag	cggaggaacc	60
aatgcgaagg	catttggtgc	ggccaaagtg	attcagaaca	tccccggtgt	ggcaggggtc	120
tcaacatcca	gcactatgga	ctacgaggtc	aagggtccagg	tgccctaatgg	gatgaaatgc	180
actggaacag	tccgtgctgc	caagaatgtg	tgcattctgc	gggttcggaa	tacggctatc	240
tccgggccat	ttggcggttc	tgctgcattt	acgatgtga			279

<210> 6368

<211> 342

<212> DNA

<213> A.fumigatus

<400> 6368

tgcagcgcgt	gtccttccag	ccccgtcgg	gtaagactgg	caatcatccg	aggacagaaa	60
atgggaggta	tcaaggcctc	gcctctgggc	cgtactatgg	gcgctgggtc	ggtatatg	120
gccacagtca	ttaacaagtt	tatgggcgct	gcgacagaca	aaaggggtcg	cgcttcccc	180
tcggaaggc	gtatgagatt	gccttcgcat	tgcagcatca	actgggctaa	tatgttctca	240
tgccgacaac	tcatcaacga	tgctgcaagt	gtcattacta	acgccgggtg	aactattctc	300
aatggtatgg	attcactggg	tggaccacga	cgagcagact	aa		342

<210> 6369

<211> 1197

<212> DNA

<213> A.fumigatus

<400> 6369

ttatgcaaag	acccccatta	tcaaaagatc	tattcccttt	ctcgcagaaa	tcctggaggc	60
ggaaacgcaa	aaatccaaca	tgcaaccctc	gacctccggg	gctcagccga	ggacatggcc	120
aggaacctca	aagacatctc	agccgagtat	gtctttttct	gcgcgtacct	ggcacatgat	180
gatccagcgg	aattgtcccg	cgtgaatggg	ttgatgctgt	caaactttat	ccaagcattg	240
gaaatcaccg	gtgctatcag	aacagtgaag	cgctttgttc	tgacctgcgg	cctcaaacia	300
tacggcgtcc	acctgggtaa	ttgtaagcag	ccgctcattg	aggatgacct	tctgctggaa	360
ggcaaccagg	gtggcaccac	ctggccccca	aacttctatt	atgaacagca	gcgaatcctc	420
aaagaggccg	ccgcacgagg	caagtgggaa	tggatcgta	cactcccga	ggatgtgcta	480
ggctacgccc	gaggtaaactt	catgaacgaa	gccaccgcac	tgggtctcta	ctgcgctgtc	540
agcaaggccc	tcccgggctc	cgagctaccc	ttccccgggt	gcaaagccaa	ctactttgcc	600
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ctgtggccgc	gactggctgc	gcggttcggc	tgtaagattc	caaaccgat	gtttcctcat	780
ggagggaccc	cggacacaca	ggggtttcgt	gaatatgagg	caacgactgt	gcggatgcca	840
aatcggcacc	cgctggctgt	acacgcggac	agaattggcg	tttcggccga	tgatacggcc	900
accttgtttc	tgcaagtcga	tccggagaaa	tgggcgaagc	gcaaggatgt	aaacgaggcc	960
tgggctaaac	tgctgtataa	atacaatctc	gaccaatgcg	gatgggacac	ggccacgtgg	1020
gatttcctca	cttttgccct	gggaaggagc	tggagctgtg	ttgccactat	gagcaaggca	1080
cggcggctgg	gttggaatgg	ttatgctgat	acttgggaag	agctggagga	taccttcagg	1140
gttctggaac	cggagggtat	tttgccctca	gtggacaagc	tcagaggaga	cttttag	1197

<210> 6370

<211> 1095

<212> DNA

<213> A.fumigatus

<400> 6370

tattcaaggc	ggcagattcc	ggcagaattt	ctgtatat	tcttatcaat	cgatagaaat	60
ctagatatcc	atgcacaaca	tagcaacgga	ggaggaagat	tcaagtattt	gagtggctgg	120
caacaagaca	ggcgaaagat	ggacttctcc	tccaaagtcc	tccccgtagc	cgccctcggg	180

gtggctccttg	tggtcctcac	tccaagagtc	atcaaattgg	caagcaccta	caaattccagt	240
ctactccaag	ccctcaggct	ccaaaaagag	accagcagcg	agatcgtctc	gctacgcac	300
taccccatca	agtcctgccg	cgggattgaa	ctcccagaa	ccactctccg	cctgcatggc	360
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cgccaactca	cccaaattgac	actcatcaac	accgccctca	gcgacgacgg	cacctccctc	480
ctgctgagca	tcaccggatc	cgacgagaag	gttcagatcc	ccgcccggcc	agacgcccgc	540
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tacctctacg	gcgacgccgt	caatgccccg	ttcaccaggt	tcctgcagcg	cgatgtctgt	660
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ggacggcagc	agagcaca	cttccccgac	gtgcatcccg	tgcagattgc	ctccgaggcg	780
tccctggcgg	agctgaacca	gaggttgccg	cgcaagggcg	cgcagccgat	taccgttgag	840
cggttccggc	cgaatatcat	cgtccggggg	acggtgcctt	gggcggaaga	ctcgtggaaa	900
acggtccgaa	ttgggtccga	gctggacttg	gatgttggtg	cgcgctgtgc	gcggtgccag	960
gtgccgaatg	ttgatccgga	gacggcggag	aaacataagc	gggagccgtg	ggatacactg	1020
atgacgtacc	gccgggtgga	tgaagggatc	aagtataagc	ccttgctttg	ggatgctgaa	1080
tgcgccccgg	aatga					1095

<210> 6371

<211> 429

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (254)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6371

atctccagca	ggtcgaggac	gcggttcttg	aagttgacca	tgttctcctt	ggcgctcctt	60
ttgtctttct	tctggcccag	ggcgctcccg	cgcgcgcgga	acactttgac	tagctgctcg	120
tcatctctgt	ccatctcgtc	gtcggttcag	tctgcgtcgg	agccctcgga	ctgttcggtg	180
aagtcttggg	cggcgcggtg	cgtgcccagt	gcttcggcga	gcttggcttc	gaaggcgggc	240
atttcttctt	cgtnttcgcc	ttcgctcgat	gcggcttcgt	cgtcgtcgtt	gtcatcgctg	300
tctcatcgct	cctcttcgtc	ctcgctccag	ttctctgcgt	cgatgacttc	cacgtcgctg	360
tctctctctg	cgacgtccat	catctctctg	tcctcttcgt	catcctgctg	ctcgaataat	420
tcctgctga						429

<210> 6372

<211> 372

<212> DNA

<213> A.fumigatus

<400> 6372

actccccaga	accactctcc	gcctgcatgg	cctagacctc	gaccggcag	ggatgttcgt	60
agacgcaaaa	accacagagt	tcctcaccat	ccgccaactc	acccaaatga	cactcatcaa	120
caccgccttc	agegacgacg	gcacctccct	cctgctgagc	atcacccgat	ccgacgagaa	180
ggttcagatc	cccgcgccgc	cagacgccgc	ctggctagcg	gcccacacca	ccctcgccca	240
ggatcaaggc	tgggacacgc	tgaccgacgg	gtacctctac	ggcgacgccg	tcaatgcccc	300
gttcaccagg	ttctgacgac	gcgatgtctg	tctggtctac	aaggggccca	cgccgcgcac	360
cctgcagggt	aa					372

<210> 6373

<211> 462

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (38)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6373

caacgacgac	gacgaagccg	catccgacga	aggcgaanac	gaagaagaaa	tgccccctt	60
cgaagccaag	ctcgccgaag	cactgggcac	gcaccgcgcc	gaccaagact	tcaacgaaca	120
gtccgagggc	tccgacgcag	acatgaacga	cgacgagatg	gagcagatcg	acgagcagct	180
agtcaaagtg	ttccgcgcgc	gccgggacgc	cctggggccag	aagaaagaca	agaaggacgc	240
caaggagaac	atggtcaact	tcaagaaccg	cgtcctcgac	ctgctggaga	tctacgtcaa	300
gaaatgccac	tcgaagggtt	tggccctcga	cctccttctc	cccctgctgc	gtctcaccgc	360
caagtgcacc	gtcaagcagc	tagccaacaa	ggcgagcggc	gtgctccgcg	agtataccaa	420
gttgtgcaag	ggcaatgcac	ttccttcgct	ggactcggct	ga		462

<210> 6374

<211> 1014

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49), (50), (60), (67), (325)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6374

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tgggttnggg	aagtgcactc	ccttcgtgag	attagttttc	atggtaacca	acatattcga	120
ttttggaggc	cagggaaagc	ctttgttggt	cagcaggaat	tattcgagca	gcaggatgac	180
gaagaggacg	aagagatgat	ggacgtcgac	gaagacgaca	gcgacgtgga	agtcacgcac	240
gcagagaact	cggacgagga	cgaagaggac	gatgacgcag	acgatgacaa	cgacgacgac	300
gaagccgcat	ccgacgaagg	cgaanacgaa	gaagaaatgc	ccgccttcga	agccaagctc	360
gccgaagcac	tgggcacgca	ccgcgccgac	caagacttca	acgaacagtc	cgagggctcc	420
gacgcagaca	tgaacgacga	cgagatggag	cagatcgacg	agcagctagt	caaagtgttc	480
cgcgcgcgcc	gggacgccc	gggcccagaag	aaagacaaga	aggacgcca	ggagaacatg	540
gtcaacttca	agaaccgcgt	cctcgacctg	ctggagatct	acgtcaagaa	atgccactcg	600
aaagttcttg	ccctcgacct	ccttctcccc	ctgctgcgtc	tcacccgcaa	gtcgaccgtc	660
aagcagctag	ccaacaaggc	gagcggcggt	ctccgcgagt	ataccaagtt	gtgcaagggc	720
aatgcacttc	cttcgctgga	ctcggctgag	ccggtgtggg	agctgttgaa	gtccatccac	780
gccgaggcga	tgcatagtgg	cccgcggcg	catgcgtcgg	cctgcagcca	ggcgagtctg	840
ctggtggtca	aggtgctggt	ggcgcatgac	aagaacgccc	ttgcggatgt	ggtgggtgtg	900
tatgcggcta	cacgcaagga	gcagcttctc	agcaagaaat	gtcatgtcca	gccgcagttc	960
ttctcgact	ggaacaactg	gtgtgtctct	gccagcaagc	agatgaagaa	ttag	1014

<210> 6375

<211> 252

<212> DNA

<213> A.fumigatus

<400> 6375

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gtcataccaa	tcgagcgact	tacggaagca	gatcgtaagt	ggatgctcac	cgctgaatat	120
ggtggaacag	gagggcgacc	tattgagtct	ggcatggtgg	ttgaggaacc	tgacattgaa	180
atcggtgctg	gtgtttcttc	gaagggtaag	aggatttctt	tcttggtcct	tcgtatcaac	240
gagatgaagt	aa					252

<210> 6376
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 6376
 aaacctcagg tcaacgatat tggcaagagc gacgatatgc tgcgtattct caagaatctg 60
 agtgtttctt cttccgagct tctaataatgct cttgagaaga tgcgtggatgc taaggatgct 120
 gaggagattg atggtggaga gaagtgggtt cagggattgt ttgctgatgc tatcaaggcc 180
 tactctcagt ga 192

<210> 6377
 <211> 534
 <212> DNA
 <213> A.fumigatus

<400> 6377
 atactccctt ttcacctcac ctctctctgt cctcgccctt taccctccac ttgcattctc 60
 ctactgccca cgctcttaag ccaattgcat ccttcgcttc ccaaacaaca cacctggctc 120
 acaacaacaa ccaagatggt tgctatcaag agtctcttca gcgcctcgt ggccaccgcc 180
 ctcatcagca gcaccagtgc ccttccagtc cccaacactg tcaacgacgt tgtgcatagt 240
 ctgcagcaca ccgcaaacaa gtacaccgac ctggacaatg caatcaaggc cttcgatgga 300
 caccctgctg ggtacaccac catcaccgag agggaggcta ccgttgaagt gtctcttcat 360
 cgcgccatcg acgcgcgtca tgccaccgct tctctttccg tgaagacag caagtttgtg 420
 atgcaggctc ttgcgaagcc ttaccccact ttcatgggta atctgcttgc tgacatcggt 480
 tccaagggtga gtcacctctt tgcgttagat aatatgcata gcgggagaga ctaa 534

<210> 6378
 <211> 939
 <212> DNA
 <213> A.fumigatus

<400> 6378
 gaagacaaca atcgctgcgg gatgacgccg gagcatacaa cgctgtcgcac tggatgatccg 60
 cggatgtgga cgtggaacat ccggcagggtg ggggtgctgg acttgaccgc gcttggttctg 120
 cgggtcctgt ttgagaccgg gtttgagaag ctggggcttg tgtgccactc gcaaggatcc 180
 gcgcagacat ttgtggcgct gtccaagcac caccgcccgg aacttggcga gaagatatct 240
 gtattctgtg ccctcgcacc ggccgtgtat gccgggcccgt tgatcgagag ggtgtacttt 300
 cggttcatgc gagttatacc gctgacata ttccggacga ttttcggcat ccacgcattc 360
 atccccatca tgataaccgt ccaccgcttt ctccatcccc gcactctacgg ggcgttgggg 420
 tatcatgtct tcgcgcacct gttcggctgg agcgacgtcc gctgggatcg cggactccgc 480
 gatcgcatgt tccaattcgc gccagtgtat atcagcagcg agacgatccg gtggtggctg 540
 ggtcagggct gcttcgcgac gcagcgtgac atcctggcca cgatggaaga gaccctcgcc 600
 gagatggagg aggatgtccg tctgcagcgc gacggagacc aaccgggctc gcgcactgac 660
 accgcctggt acgggcccga gacgcccccg tttgcgctgt ggggttgcggg gtcagatgcg 720
 ctggtcgacg gccggcctct cctccagcgg ttgcacagcg gacgcgagcc gcatgtgcag 780
 gtggtgcatt ccaaagtgat tgaagagtat gagcatctag atgtgctgtg ggccatggat 840
 gcggtggagc aagtgggtca agaggtccgc gatgttatat acaggaccat gccggaggcg 900
 gcgcggaagt gctgccgggt tccaaagggt gtttcatga 939

<210> 6379
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 6379

gtgttaccgc	atctggctgc	cggtacctgt	cctatttcac	taatatacca	ttgcgccttt	60
attctcacag	cctccgaaaa	gtgccagcaa	gagaaacgca	agacggtaaa	tggggaggat	120
atcctgttcg	ctatgacttc	acttggcttc	gaaaatgacg	cggaagcgct	caagatctac	180
ttgtcaaagt	atcgcgaggt	aagactttgt	acaacatgct	atggctgcct	gtctccccac	240
caacggttgg	tggtttggtg	ggtgtattat	catatgctaa	gtactcctcc	agactcagtc	300
cgcccggtgc	gaacaccaga	atatgccaac	gagcagcggc	tacaattctg	gagggcccat	360
gggcggatcc	aacacgcaag	gtggacgacc	tgggtgcatcg	gcttcggcg	gctttcctga	420

<210> 6380

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6380

acagctacat	gtgctaacat	ctaccgtcaa	gtggcccgta	tcatagaagt	ggccttgcca	60
gagaacgcga	agatcgccaa	agaagctaag	gagtgcacgc	aagagtgtgt	caacgagttc	120
atctcgttta	tcaccagtga	gggtgagtgt	taccgcatct	ggctgccggt	acctgtccta	180
tttcactaa						189

<210> 6381

<211> 267

<212> DNA

<213> A.fumigatus

<400> 6381

gtactcctcc	agactcagtc	cgcccggtgc	gaacaccaga	atatgccaac	gagcagcggc	60
tacaattctg	gagggcccat	gggcggatcc	aacacgcaag	gtggacgacc	tgggtgcatcg	120
gcttcggcg	gctttcctga	aacaacagat	agcacaacaa	atatcataaa	ccccgggtctg	180
gaccctccg	aacaggacag	ttcaacctat	ggctaccctc	cgatggctcg	ccagcctcat	240
aatggagcag	gagcgactc	gtactga				267

<210> 6382

<211> 567

<212> DNA

<213> A.fumigatus

<400> 6382

agatcctcct	gtgatatctc	ccacccgact	caaccgttca	atcatcctct	caggatgaag	60
gacaagatcg	tcgagcctac	ggtcgccgtc	agcgacaatt	ctctggcgga	cgagacggca	120
cccgatgagg	tcttgaagca	tctcaagcat	atcaaggagc	agcatcagtg	ggaccccaat	180
ctccccgacg	atgtggccga	ggagctcgat	gtggccttgc	acacggatga	caagggcgct	240
cgtgttggcg	ttgccacga	acttatggaa	gattcacctt	acgtcgaggt	tcgctccgcg	300
gttccaaact	acgacgaggg	tggacacaca	aacacaatcc	gcgcctggac	tattgggtctg	360
gtgttcgcga	cccttggttc	agctctcaac	atgctgtttt	ccatgcgcca	gccgtacatc	420
gtcatccct	cgtacgtgat	tcaggtcac	gcctacccgg	ttggagtggc	ttggtacaag	480
gtaatgccca	acaagcagtt	caaattcttt	ggcatcgatt	gcaacctcaa	ccctggaccg	540
ttcagcaaga	aggagcatgc	tcttatc				567

<210> 6383

<211> 198

<212> DNA

<213> A.fumigatus

<400> 6383

ccccctgcat	ctgcttcgcg	tccgaccttc	ctcccccttc	tcttctctct	ctcactcttc	60
gctgatcatc	taatcgctcc	cctgtcgatc	gtgtatggga	ccaacctgag	gtggatcctt	120

ctcacgacgg cgctgctcca ctattcactg cttcttctat ctttttacag accttctcca 180
 ttgaagatcc tcctgtga 198

<210> 6384
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 6384
 agctggctga acctgaggcg caaaatggct tcaatcctgt gtagggcagt agctgctctt 60
 cttctacttc tccaattcag caccgtctgg tcaactcccc tagatatctc cctcgccggc 120
 gatgcgggtt caggtcgtaa atctcactgg gtggatatat ggacgaccat gccgcagctt 180
 gtcgagccct acaatctgcc tcccgcccca tacgtgagtc gatcatga 228

<210> 6385
 <211> 186
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (160)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6385
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 aaaacgacct cctggctgtc ctttgggaac tacgtcgggg cgaacaatct taacgatccg 120
 tcggtgaaga acgtgaattc ctggtgggga tccacctggg aagtttacta ccgaaccagc 180
 ttatgc 186

<210> 6386
 <211> 519
 <212> DNA
 <213> A.fumigatus

<400> 6386
 gcacatataa ccgcacatca ggaaccttct gtccctgatg tcttctgcca gattccatca 60
 aagagctaca caatggctgc catcttccaa tcccagaaat ctgccctcat caccggcgca 120
 gcacccggca tcggcttcgc catcgccaga gtctgccgca ccaaaggcat gcacctggcg 180
 ctctctgatg tcgacactgc caatctggaa aatgccagaa atgagctgtc tgctctcgac 240
 ccctccttga aaacagagat ctacactatc gacgtcggca accgggacgc ctggaaggac 300
 atcgcaaagc agatccgctc gacattccac gacctcgatc ttattgtcct caatgccgga 360
 aaatcataca aagcgagag tggcctggca ggacgactaa agccatgggc cgatgccgag 420
 tactggagga aggtgattta tttgatccgc tcatgcccgg ctatagctga cgagctagac 480
 attcgacacc aacgtcttcg gcccgctgaa cgggcttga 519

<210> 6387
 <211> 837
 <212> DNA
 <213> A.fumigatus

<400> 6387
 cgggacccct ccagccccgt ggtgaacacg gaagcgatca gactgagctt ggctagcgag 60
 gaagagaggc gcaacaaggc cgagaaagag gccaggaaag aagcaaagcg gcgagagaag 120
 gaaaacaaaa aggcagagaa ggctgcacgc aagcatgggt tctacagcaa caatgctagc 180
 agttccgctt tggacgttcc ttcggatgcc cgacttgaa gggtcgcgag cacctcctcc 240

tcgataactg	gcgaggatgc	atctccaagc	aagggtaagg	aagtggatcg	cacatcgcca	300
gctgctactg	ctgcttcctc	gcagtcaagt	actgaaatcg	cctctgaatc	tatgaccatc	360
aaccgcgcatc	caaacgtggg	agaactggga	tcaagcgcg	aatcttcgat	ggctcagctc	420
tcgccacggg	agctgccaaa	accatcgcat	ctgcgtcagg	tgtccagtgc	atcctcatca	480
ttctcatcac	ttgttgagtc	aacgggagaa	gatcacagt	gggcttacga	tggcaatgct	540
tcgtccaccg	agccactatt	caacttcgc	agcttagctg	ctgttatcgg	agatgaagac	600
aaaggcgatg	gaactgcaga	gcattgtggaa	gatacatcat	taaaaccgag	cgccgagggg	660
tcagcttcca	gcacggcgcc	tgtggccgat	gagatgcctg	gccaatccac	tacacctgct	720
gacccgatag	ctgtgaaaac	cgtcgcagag	gaccgggact	gcttgatgcc	caaggaaactc	780
gagactcagt	cggtagaaat	caccagtgcc	acgcggaatg	ccgaggcaac	aacttga	837

<210> 6388

<211> 687

<212> DNA

<213> A.fumigatus

<400> 6388

accgcccttt	cgcatacccc	tcgggtgaag	accaccgagt	tcaagaaatt	gaagcctgcc	60
tacaaggccg	ttatcaagga	tatcacggag	aagatgggca	atggcatggc	tgattattgt	120
cgcaaagctg	cgctggacga	tgaacgcgtc	aagacgggtg	aggaatacga	cctgtattgc	180
tggtatgttg	ctggcctggg	cggagaaggg	tcaactcgcc	tctttgttga	ggccgagttc	240
ggtaaccctg	ccttgctcaa	gcgtaccgag	ttgtacaagt	ccatgggtct	tttcttgag	300
aagaccaaca	tcatttcgga	tgtccgtgag	gactttgacg	acggtcgtca	gttttgccc	360
aaagaaattt	ggtccaagca	cgtaaccaac	tttgaggatc	tcttcaagcc	ggagaatcgt	420
gaggctgcac	tgaactgtag	ctcagagatg	gttctgaatg	cattgagaca	tgccgaggag	480
tgtctctttt	accttgctgg	tctgogtgaa	cagagcgtct	tcaacttctg	cgccatccct	540
cagtcctatg	ccattgctac	cctttccctt	tgcttccgca	acccggcaat	tttcgaacgt	600
aacatcaaga	tcaagaaggg	gcgaggcgtg	ccagttgatg	atggagtcga	cacagaatct	660
gcgaattctt	tacgaggcct	tccgtag				687

<210> 6389

<211> 486

<212> DNA

<213> A.fumigatus

<400> 6389

gacatgcgga	ggagtgtctc	ttttaccttg	ctgggtctg	tgaacagagc	gtcttcaact	60
tctgcgccat	ccctcagtc	atggccattg	ctaccctttc	cctttgcttc	cgcaaccggg	120
caatttttga	acgtaacatc	aagatcaaga	aggggagagg	cgtgccagtt	gatgatggag	180
tcgacacaga	atctgcgaat	tctttacgag	gccttccgta	gatatgctcg	tgagattcac	240
aagaagaata	ccccaaagga	tcccaatttt	ctcgagattg	gcattgcttg	tgcaagggtt	300
ggtatccttc	attcgtcttc	atttgtccca	agtattaaca	gtcgcagatc	gaaaaattta	360
tcgagaccat	cttcccatcg	caatcagccg	aagaggccaa	caggcgtgtc	ttgggcaaaa	420
agtccgaagc	cgaacaagag	aaggccagac	tggaggctga	aaccgcgaaa	gacgtcctct	480
ttatga						486

<210> 6390

<211> 435

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (101)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6390

tggaaccgat	acgcaaaaatt	ctccaggtag	accacttggg	ttttttacgg	gcttttgaaa	60
actgacgatt	ttcagattcg	ccacgaagg	aaaggtgtgg	nagttcaaga	tatggacccc	120
cttcccaact	ggaatcgagg	acgcgcaatc	gttatcgggg	atgcggccca	tgcgatgacc	180
ccattgcaag	gtcaaggggc	gaacatggca	gtcgaagatg	ctgacagtct	ccgcttggtg	240
cgtccagggtc	tttcccatgc	ggaaatcgaa	gcggtgctta	agcaagtgga	caatgttcgc	300
cggccacgtg	cttcaaagg	cctggaggac	acccgtgtca	tggcaaaaga	tattagcatg	360
gagcaacgac	tggccaactt	agactttacc	tgtggttaca	atggagtatt	cgaagctcta	420
aaggagattc	agtga					435

<210> 6391

<211> 555

<212> DNA

<213> *A.fumigatus*

<400> 6391

tctatccccg	acctgacgaa	acgaacggat	ctctgccttt	gctcggcaac	cgcatcaatg	60
gctggggcga	ctgaacccat	cagaaaaacgc	cgacgcccag	ccttgtcctg	tgtagagtgt	120
cggcgacgca	aggtcaaatg	cgatcgaaaac	agcccttgtg	ggcaatgcag	ggcgcataag	180
tgcaccgctt	gcacatatgc	ggtggcctgg	gccacagggtc	ccgttagaca	tgaatcacia	240
cggaccacagg	aaccgttgct	gcccgaaccg	gccgaccaag	gcgcaagcga	accgcaacag	300
cctgcctcca	gttcacccaa	tccaacaatt	ggcgagagca	ctggggccagg	aatatctctt	360
gtactagggg	ggcctgtgcg	atgcaactcc	ccagacctgg	acagcaccca	cactcttccg	420
cagaaagtga	gcgtcagctc	gtccaccatc	caagctcttc	ctggcccatt	ccacggcatc	480
ttgtccaaaa	cgagggtctt	tggccatggc	cattggatga	gctctgtacc	tctggtacgc	540
cgcccagcta	cgtag					555

<210> 6392

<211> 312

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (212)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6392

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aagacctgga	cgcaacaagc	ggagactgtc	agcatcttgc	actgccatgt	tgcgcccttg	120
accttgcaat	gggggtcatc	catggggcgc	atccccgata	acgattgcgc	gtcctcgatt	180
ccagttggga	aggggggtcca	tatcttgaac	tnccacacct	ttaccttcgt	ggcgaatctg	240
aaaatcgta	gttttcaaaa	gcccgtaaaa	aaccgaagtgc	gtgtacctgg	agaattttgc	300
gtatcggttc	ca					312

<210> 6393

<211> 321

<212> DNA

<213> *A.fumigatus*

<400> 6393

agtcgttttg	ttctttttcac	ttccggaatt	acactctttg	agacggcaat	ggctgcccc	60
cgactttttc	gcccagcagc	tgcctgtctt	tcatctcgac	tttccgctac	acccttccgc	120
tctaactttc	agaagtccgc	ctgtgcgccc	tcgatcctac	gcgctcgggg	atatgcgacg	180
gaaagcggta	ctaaggaagt	tactgtccga	gacgcattga	atgaagccct	tgcggaggag	240
cttgagagca	acccaaagac	gtttatcctg	ggtgaagagg	ttgcgcagta	caatggagcg	300

tatggcatta ccttctctta g

321

<210> 6394

<211> 429

<212> DNA

<213> A.fumigatus

<400> 6394

catttggtta	ggcttctgta	tgggtcaagca	ttcccatga	gcgaggctgc	tcagaaggat	60
gacttcgttc	ttcccttgg	aaaggccaag	atcgagcgtc	ctggaaagga	tctgaccatt	120
gtttctctgt	cccgtcgt	tggacagtct	ctcaacgctg	ctactgagct	gaagcagaaa	180
tatggagtcg	aagctgaagt	tattaatctt	cgggtccgtca	agccactcga	tgttgagacg	240
atcattcagt	cgctcaagaa	gaccggctgc	ctgatgtgcg	tcgaatccgg	ctttcccatg	300
ttcgggtgctg	ggtcaaaaat	cctcgcttgc	cccatggagt	atgggtttga	ctattctcac	360
tgctcttgc	gtttggtgtt	accggcgcta	aggttcatac	accttacgct	gttggtcttg	420
agcagatga						429

<210> 6395

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6395

gcactcggta	ggtttgcgag	gatcataata	atttgctctt	gtatcgttgt	ttgcatactc	60
ctcgtcagta	tcgctctctg	cattgccgtg	ttgagcgtcc	gtatcctgtc	tgggtttgtt	120
cctaacgagt	tcgctcgtgt	caccgcctcc	taccgcttgg	ttggcgtcgt	cgtcatcgtg	180
tcttcaccac	ggggtggca	atggccgctc	cagcccat			219

<210> 6396

<211> 477

<212> DNA

<213> A.fumigatus

<400> 6396

tactcccatc	acagaggcgg	gcttttgtgg	tttggtgtgt	ggcgccgccc	tcgctggact	60
gcacctatc	gtgagtcgaa	tgtttaccta	ttcttgaaaa	gacttgaacg	gctgatgggt	120
gcttcacatc	tacagtgcga	gtttatgacc	ttcaacttcg	ctatgcaggc	catcgatcag	180
attataaact	ccgccgcaa	gacacattac	atgtctggag	gaattcagcc	ttgcaacatt	240
actttccgtg	gacccaacgg	atttgctgct	ggtgtcgcgg	ctcagcactc	ccaagattac	300
tcggcctggg	acggcagcat	tcctggcttg	aaggctcgtg	ctccttggag	tgctgaggac	360
gccaagggtc	tgatgaaggc	cgctatccgc	gaccccaacc	ctgtcgttgt	cctcgaaaac	420
gagtatgtac	tgccagaacc	gcttgacgtt	gccgggcttg	agctgacatt	tggttag	477

<210> 6397

<211> 312

<212> DNA

<213> A.fumigatus

<400> 6397

atagctatct	attactactc	gtttggacgg	gaaaacgagc	tacagctcac	tggttccttc	60
caaagtcatt	tgatgggtgtg	gaacattgct	ctgaccagga	tgaagtacct	tgcttactgg	120
gctcttctct	attcatcttc	accggccta	gctattcagc	cgtcagctcc	agatgctata	180
ccggcgccca	ttcgcatct	ccaatgggg	cagctgaatt	tcctccacac	tacagacacc	240
cacggctggc	tggtgtgtca	tctacaggag	tatggctttg	ccatctattg	tgccattggt	300
gatgctcgtc	ga					312

<210> 6398
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 6398
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 cgcatgcggg aaaaggcact cgctcagggc aatgatctgc tgataattga cactggtgac 120
 aggggtgaag ggaacggtct ttacgacgct tcggaaccca agggcgccta catttccgac 180
 attctgcgtc aacagcagat tgatttgatg tcagccggca atcatgaact gtacaagcag 240
 aacacctcgg agactgagtt tttgactact gtgcccattt ttcgtgatag ctacctggcg 300
 tccaacattg acatcgtcca tccaatttcc ggagagctcg tgccgttggc tccacggttt 360
 aaaaagttca caactgagaa acaaggcatc cgcatcgtcg cttttgggtt tctgtttgat 420
 ttctccaaaa attacaacaa cacaatcggt tatacagtgaggataacaat taaaacgact 480
 tggttccaag aagccattcg tgacgaagaa gtcgatcttt tccctgggtgat cggccatggt 540
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 ggggctggaa ggatccacgg gtggtgctat caagaa 636

<210> 6399
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6399
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 ggagtgcattg agaacatgat ctccgtccag ccaccacta gcccttgggc tcggtggatc 120
 ggttcggagc acaagcatgg ccaaggaacc ccagcgaga tgcagcatgg aaccagccaa 180
 tga 183

<210> 6400
 <211> 1428
 <212> DNA
 <213> A.fumigatus

<400> 6400
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 gtattcactg gctggattgc gtccgtcttg tccgtctgc gccctgaagg tgatgttcag 120
 agctcacatt accagagggc aacgaagtcg aacggatgtt attcctttcc tgaccgtata 180
 taccaccaac agacgctaatt gtcttgcaat ccaggcgtcg aacgagagat gaggatatgt 240
 cacactcaac ctcatctcgt gcctccaatg aagctggtgg tctatgataa ccttccgagc 300
 cccggctctc cacctcggac ctcatccttt ccaccgtgga taacggaggg cagaagtatc 360
 gcctcccgag catccaacag ggccagcatg tcgttcaagc gacagtccac caccctattg 420
 aggatcagtg cgccgaccga cttcaggaga gttgagacgt tccaatcctt tgccctccagc 480
 ccagcagaat ttcaacctct cgtggtgaag atccacacac cgggcaaccg tctttcggat 540
 ctgccaacat ttgacgaatt tacttcacag gaggggcgac gacgatctct ttccctggcct 600
 gcaaaagcag ttgtctctcc cactgacccc tcgcgtattc cccgcgttcg atcccatcat 660
 cactcttcgt catctttcca attagcccgc aaacccttag gatcaggctc ccgtcgatct 720
 tcccttttga acttgagca gcttctggac aagcaatctc ccatcgcaag ccctggaatg 780
 cctcacttct cagcccgtag ctcaaccgcc accggcctca gcgaggccat gttcttacca 840
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acaaccacca	ccacaagctt	aggtcccagg	acgcccacat	cgcgaggcac	gcgagacctc	1320
aatctaaatc	aactatctga	aaaggatctc	gaggcccttc	cttcccgggg	tcttcaccac	1380
ggggctggaa	ggagcgctgc	gttgggaagt	ggagcgcaat	gggacccg		1428

<210> 6401
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 6401						
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gcgaggccat	gttcttacca	acacactcca	ggctgcagga	accctcggct	ggctatgggt	180
caatgccccca	acgccaacgc	atcgatatca	ccccgcccac	cgcggtgccc	ccaagacac	240
ctcccaaaac	tcccctgcag	gacaggccgc	taccacctct	tcctaccggt	aactccccat	300
cgtcaacgga	aacgcccaca	tccaatccct	catccacccc	cctctccgag	aacgacgtcc	360
aaaccctaac	cccaaacacc	accccgctcc	gctccggccg	cgtcgcgcag	tggctcctcc	420
aaacaagcag	caaagcctct	ccccctgtct	cctggaaact	ccaggccggc	cggagcagag	480
gcggcagcgc	gagcgcaaac	gccttcgcga	tccgctcacg	caccctcagc	ggctcaacgg	540
ccgtctcgtc	cgcaccgagc	acaaccacca	ccacaagctt	ag		582

<210> 6402
 <211> 729
 <212> DNA
 <213> A.fumigatus

<400> 6402						
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gcgagagca	aggaagatgt	tgatcctgag	accggcagca	tccaggaagg	cgaaggactc	120
gaccgtctag	ggtacaagca	ggagctccat	cggaaaccgt	ccgttctcac	tttgctcttc	180
cagaccctgg	ccattgctgc	cattccctac	ggagagggaa	gtcctctact	caatgccatc	240
tacggcgggg	gtcctctgtc	gatcttgcg	ggctggatca	tggctctgtg	tctcgatgaa	300
tgtgtagcgt	tgtccttggc	tgagctcgca	tctcgttggc	cgacctctgc	aggcccttac	360
tattggctgt	ttcagatttc	aaggagctcc	aagacgggtg	tatcgtttat	caacggttgg	420
atctggctgg	tcggcaactg	gaccatcacg	ctttccgtca	actttggctt	cgcacgcgtg	480
gtctcggcca	ccgtctcgat	gtaccatccg	ggctgggccc	ctacggactg	gcagctcctg	540
ttaatctttt	acgccatctg	cataggttcg	ttcttcatct	gcacgtttgg	ggaaccgcta	600
cttcccccag	gtcgacatcg	cgtgtgccac	cttcaccgca	ctcaccatcc	tcatcagtct	660
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ctacaatga						729

<210> 6403
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 6403						
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gccaccttca	ccgcactcac	catctcatc	agtctcattg	cattgtccgt	caaggccgac	120
gcaggcagac	acagcgcggc	ctacgctttg	ggccactaca	atgagaacct	ctctggctgg	180
ggcggcttcc	ccttctttat	cggactttta	cccgcgcgct	acacgttctc	tgccatcggc	240
atgggtctcc	tcaatggcag	aaagattgtg	ccatccccc	attcccactt	gccccggggc	300
cattcaacct	tttgcgttcc	c				321

<210> 6404
 <211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (233)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6404

cctgtggcta	acaaaaagaa	gagtattctt	catctcacgg	catttgagaa	ttcagctgcc	60
tttcgcgact	acatcaacgc	taccactgcc	gagttggatg	atccatttgc	gcaggatgac	120
gctaccgatt	ttggactcct	tgcattgaga	gacaggcgcg	ttgccgactg	gggcccgtca	180
gttgaaaaag	tatgcatcaa	atcaacctcc	gattttaccg	aaggatgtct	aanaattggg	240
tatggaacat	ttgaacatcc	aactgctgcc	ctgaaccctt	acct		285

<210> 6405

<211> 231

<212> DNA

<213> A.fumigatus

<400> 6405

ctccagaaag	aagacctaga	ttgttccgga	cttcactgga	cttcaccagc	tcattgctttc	60
accacgcaaa	aacatgtttg	cttgaccctg	accttcgaga	aagactctca	cattcacttc	120
gacgctttcg	ccaacgctca	ctcactgccc	caagacattc	ccgttatcct	aaatctctgg	180
attcttccga	cgatcctcaa	cacactgaca	cttctcaa	at	tggtgactcta	231

<210> 6406

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6406

ttgatctata	cgagtctact	cgttctgatc	caaatatccg	cccgttatgc	gacgaacctg	60
atggaccag	ccgactacga	caaagttcta	gccaatccctc	aagaagtcaa	ggaccggatc	120
attggtagta	agatcgatcat	tggtttgtct	tcaccacggg	gctggaagga	tccacgggga	180
ttctacaat						189

<210> 6407

<211> 912

<212> DNA

<213> A.fumigatus

<400> 6407

agaatgcgaa	atgtacagta	tacgcacctt	cctagcggtg	gactttgtat	gattgtcttt	60
gctgatttta	tcctgcattc	agatgatgga	taccggctca	cttacggagg	tctcgactac	120
ctcgcgctga	acgctcatca	gaagcagaaa	tgcatttact	ccgtgggaaa	ccagatcggt	180
gttgggaaaag	agtcagatat	catcgtcgtc	gcgaatagca	aaggaacaca	atgcattcta	240
aagatccatc	gcctgggccc	catttccttc	cgaacagtca	agaccaacag	agactatctg	300
cgcaatcgca	gtacagggtc	atggatgtac	atgtcgcgat	tggcagcgat	gaaggagttc	360
gctttttatga	aggctcttcg	agagaacggg	ttctcagtac	ccgaaccat	cgcgcagaac	420
agacacacga	tcgtcatgag	cttgatcgac	gcattccgc	taagacagat	ttcgagagtc	480
cccaagcctg	cgttactgta	ttcggagctt	atgggtacca	tcattggagct	tgctcggttt	540
ggccttattc	acgggtgacta	caacgagttc	aatatcttga	tcaaagaaga	agaggatccc	600
aatgcgaagg	gaaaagctcc	tgctgatgcg	gacaacgatg	agaatatccg	gctggttccg	660
gtcattatcg	atcttccgca	gatgggtgtca	atcgaccatc	cgaacgcaga	gatgtatttc	720
gaccgtgacg	tgaattgcat	caagcgctat	ttccaacgaa	agttccattt	cctcagtgat	780

gagccaagcc	cttttttctc	ggacgcgaaa	gaacagcttt	ttgaagaatc	ctgggaaaagc	840
ggttggatgt	ccacgtataa	agcttttggg	ttctctaggg	aagatggctc	gcgagctaaa	900
aaccttactt	ga					912

<210> 6408

<211> 654

<212> DNA

<213> A.fumigatus

<400> 6408

actaataatt	ctgcatatac	atcaataggt	tcgtctctta	gaggtacttc	aactgccatg	60
cctgaactag	ctgaagtctc	gcgcacgtgt	cactttatca	atcaacatct	tgtcgggaag	120
actctcacaa	aggtttctgc	tcagaacgat	gatattgtct	acgggaaagt	tggcaccagc	180
gcctctgaat	ttcaaaaagg	catggaaggg	aaaaaggtcg	tcagcgcagg	tcaacaagga	240
aagtatttct	ggctcatcat	gaacgagcct	cctcatgcgg	tgatgcattt	cggaatggca	300
ggctggctca	agatccgaga	cgccgataca	tactactacc	gcgtcgagaa	acccgaagac	360
aaaacatggc	caccaaata	ctggaagtcc	ctgctggaaa	cagacgggga	cccgaaaacc	420
gaggcagctt	tcgttgactt	tcgcagatta	agtcgtatcc	gacttggtga	ttgccctgga	480
gaagagatcc	gcaaacatag	cccactcaaa	gagaatggtc	cggacccggg	ggccgataaa	540
gacatcgtca	cagaagagt	gctggcagac	aagctcaaga	gcagaaaggt	tcccatcaaa	600
gcccttctcc	tagatcaggc	taatatcagt	gggattggta	attggatggg	gtag	654

<210> 6409

<211> 522

<212> DNA

<213> A.fumigatus

<400> 6409

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actctcaacg	atgagcagat	caaacagctt	cactcctcca	tccattatat	ttgtaccaca	120
tcggtagatg	tactcgctga	ctccgagaaa	tttcccagagc	attggctgtt	caagcatcga	180
tggggaaagg	gaaagaagaa	caagccatca	gtcctgccaa	atggcgaaaa	gattgttttt	240
ctgactgtcg	gaggcagaac	gagcgcagtt	gtgccgagtg	ttcagagaaa	aacggggccc	300
gttgctaggg	atattgacga	cgaggatacc	aatggctcta	agaccgagac	caaacggaag	360
agggtaacgg	ctgttacaaa	ggaggaggat	gtgaatgacg	atgagaagga	gccccaatcg	420
aagaaacatg	gatcacggtc	cggacaatcc	gaggatacag	tggagatcaa	ggaggaaccg	480
aagcaggaga	gaagacgacg	atccacgcgc	cttagaaatt	ga		522

<210> 6410

<211> 1761

<212> DNA

<213> A.fumigatus

<400> 6410

cgcccaatct	ggcccatcgg	ggccgggaaa	agccctgtcc	ctcttaaact	cgactccacg	60
ctcaagcgag	ccgaccttga	aaaaattcgc	tcctctcgca	aagatcgtgc	aaaagaaaag	120
cctgcacgcc	ctgtgcgtga	cgacaagatg	caggtcggaa	cttatcccag	ttccagccat	180
tacgtgtctg	ctccagttca	gcggtcacct	tccagacccc	gacaacgaga	cagtgtttat	240
gtgcgtcaag	tcccaggtag	ctgccgggat	tgcatcaag	gattgtatca	cgctcaacg	300
ccaatagaac	cgagacgaat	ggaacatcca	tactatgtct	cgcaaccacc	gccctcagtt	360
taagactatc	ctccgcggcc	accatcacca	caaagccgat	accccccgtc	catcatocag	420
gacgttcatg	tctctcacag	cagccgtccc	tccgccggtt	ccggccgctc	taactcgtat	480
cactcgactg	ctcgtccgtc	gagctttcat	ggaatgatgc	caggtatggg	gcccattggtg	540
tataccccgt	ctcctatgag	tcgctacgaa	gccgggcctc	cgctggcttc	acccgtttat	600
gccaatagtc	cgctcctatg	agcctcgcct	tatgcccaac	agtctccata	ttatggagca	660
caagagttcc	cggtctttcc	tccaaccgac	caccaccagg	aacgatcggg	ctccaagact	720

agagagaagc	agccacgtgc	gcgggcgccct	tctctttatg	gaccgcccgt	cgtggatcat	780
gtgcctccca	ccccgcctta	cgacgagagc	gaggatgacg	acgatgaaga	agacgacgac	840
gatgatagt	aagacgagca	actactcgaa	ccgccacctc	ctcccgtccg	gacccggcca	900
cgcccttcctt	ctcagtcctc	tcataatcgc	gatgaagatt	attatcgcat	gccgcctccg	960
ccaatcaaaa	ataacaacac	tcgggcgcac	gtcattcaga	aacgccccga	cccaccacga	1020
aagtcagcaa	caaccacgtc	tctcacctcg	gagcgccgct	catccagaag	ctttgatctc	1080
tccggagatgg	aagacgcgct	gccgagctac	ggataaccggc	ggtcttcacg	cgagaccgtg	1140
gttcccagagc	gaagccagag	tctgaggggt	agcaggcgct	ctacgtccta	tcacgactcc	1200
gtgcgcccgg	ctcgaattgc	catcgagggt	gctcgctgcc	aacggactac	tgtctatgac	1260
tacaattcag	gcgggcgatat	cgaggataag	cagcgagagg	cagaagaata	ccaggcgtca	1320
agatcaggta	aaaccgtagc	ggtgccactt	accgcggatg	ccctgcgcaa	agccaaaaca	1380
tcgcagcgtg	cggaaagtga	cagcggaagt	cagaagagcc	gtagcagccg	aggtagtgat	1440
gctcgactc	aaaatggtag	cagcggcgag	gccaagccgg	aggaagacga	taacattgtc	1500
atgaccatga	atggtgtgac	tatgagtttc	actcagaagt	ctgtcggggg	aaagaggatc	1560
agcgtccgca	ctggcgacac	gggagcgggt	gagctgaaca	ttgagggcaa	gcgaccgaag	1620
aagtatctaa	ccggcggtc	cgattatacc	ggcagcgtct	cccgaaggga	actagaagac	1680
gcgggcgctc	cccagaggtga	ccggcggtct	gacaaggcca	gtcaccgatc	cagtcgatcg	1740
acttacagcg	ggcgatacta	g				1761

<210> 6411

<211> 303

<212> DNA

<213> A.fumigatus

<400> 6411

atacttcttc	ggtcgcttgc	cctcaatggt	cagctcaacc	gctcccgtgt	cgccagtgcg	60
gacgctgac	ctctttcccc	cgacagactt	ctgagtga	ctcatagtca	caccattcat	120
ggtcatgaca	atgttatcgt	cttctccgg	cttggcctcg	ccgctgctac	catttttgagt	180
gcgagcatca	ctacctcggc	tgctacggt	cttctgactt	ccgctgtcac	tttcgcgacg	240
ctgcgatggt	ttggctttgc	gcagggcatc	cgcggttaagt	ggcaccgcta	cggttttacc	300
tga						303

<210> 6412

<211> 231

<212> DNA

<213> A.fumigatus

<400> 6412

ccccaaagtg	agaattacca	gcgctaccaa	cgttgctacc	aactaataac	gttgcagtgc	60
tatctatgcc	cctgcaatca	tcgcgccaat	ggtgtcacca	accctcaata	tacgggtact	120
tttctcttcg	agaatgacta	tagcactgtc	cggatggacg	agggagaata	cgacacagat	180
acgttcaaaa	aggggtgcgtc	aagctgggtt	cagttatctt	tacctggcta	a	231

<210> 6413

<211> 489

<212> DNA

<213> A.fumigatus

<400> 6413

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gtggagtata	ttcccccttc	acgcagagca	actgacggga	cagaatttgg	ggcaaaagaa	120
agcttccaca	tctcctcaac	tcttgaaaaa	cttgggttta	taccagaat	tgtccttgtc	180
ataaccttct	tatcgcttac	ggcttgata	ctcaacttcg	ttcatccaag	ccatatctct	240
gtccacgagg	ctaattcggg	ccgcaagcct	ctggtacata	cactgaacgg	ctcgtaacgag	300
ggcattcact	tggatgcgct	gaaacaagac	atatttctgg	gcatgccata	cgcagctccg	-360
cccttggggac	ctctccgatt	ccgacatcca	cagccattga	cagaatcatg	ggacggcggtg	420

cgtaatgcgt caacttacgg gcccacatgt cgtcttacac cgacggggat ggacgggtatc 480
gcgctgcct 489

<210> 6414

<211> 1155

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (570)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6414

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ctggtttcag	ttatctttac	ctggctaatt	atggcagagt	ccttgcaaga	tgttgccctcg	120
gtcctgctcc	gtgccgaggt	ggtgatcggt	cgatgctatg	ttcttacata	ttcacccaat	180
caccactaca	ctatatctca	tatgacacct	gaagaagtgc	ttgccatcat	tgaagcctgg	240
actatggtct	acgccaggta	tctctctcct	gataatcccc	agagaaggag	tacaacgagc	300
atctccagtc	acggcccaag	atttggggac	gagacaacct	cggataccgc	gaacctcagg	360
tatatgcaga	tatttgataa	caacggggaa	attgtaggct	gctctaatac	tcacccccat	420
ggccagatct	ggataacctc	aagcatgcca	gatgaagtga	ggctggaact	tatacaaatg	480
agtgagtatc	gcaaagacca	ttgtggacgg	catttgctgg	aggactatgc	tcgactcgag	540
gtggacagac	aagaacgtgt	tgtctggcan	aatgatgctg	tcttggccat	ctgtccttgg	600
tgggcagtct	ggccattcga	ggttctactc	ttaccaaaac	gtcatgtccg	tggcttggtg	660
gatctcaaca	agactgaaag	acttcagttt	gctgaagcca	tactgcatgt	gaccagaagc	720
tacgatactc	tatttggaat	gacttttcct	tacagtatgt	gtttgcatcc	acaaccaagt	780
ggctctccag	gagactcaca	gctaacacac	tcagtttcgg	cccttcacca	ggcgccctcta	840
aatgccactg	aagctgaggt	ggatagcagc	tatcttcata	tgcactttag	ccgcctttg	900
ctgttcccct	ctgtcaagaa	gttcttcggc	ggctacgaac	tacacggaga	gccgacacgc	960
gagatcacac	cggaggctgc	tgcagcattg	ttaaggcact	ctggaaccca	gcttccagtg	1020
tgcgccgata	atttgaaagc	tgctcaacat	cagtttcaag	tacggtcaga	tggggtcctt	1080
tgcaggggag	gaacctctac	gtgggtgggaa	cgagtactga	gaacatcaag	gtgggtcaaa	1140
ttgtggtttt	cttag					1155

<210> 6415

<211> 345

<212> DNA

<213> A.fumigatus

<400> 6415

ctgctgatgc	gaccttgtct	agatatacgt	acgtggtttt	caaattgtgga	gcaacatgca	60
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gtctccacag	aacaaggcca	acaactcgct	gatgagctag	gtattccatt	ccttgagggtg	180
tcagccaaga	acaacatcaa	catcgagaaa	gcattctaca	gcctcgccctc	tgccatcaaa	240
aagggcagtg	atacatcgaa	gtctgaacaa	gtgggggtcac	aggggggtcaa	tatagaccat	300
cacggatcgg	ggacatctgg	gagtactggc	ggtaaatgtt	gttag		345

<210> 6416

<211> 408

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (249)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6416

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ggaactcaac	taccaccggg	acatgtctca	cgatctcttc	cgggtgatcc	gcaccgcgga	180
cgagcctcac	gcactcaagc	tgctggagat	catccgcaag	aacgcaaccg	ccgaagagat	240
ccgcgcgtnc	atcgacgaga	cgctcatccg	gctggacggg	gagggccggg	gcgcgggctg	300
tggccaggcg	gtgcagaagc	tcgaggatgt	gcgccggacg	atcgatgtcg	agggggcgga	360
tcccagcttc	cggcgggaag	tcattggacat	ccattatctg	tgcgatga		408

<210> 6417

<211> 627

<212> DNA

<213> A.fumigatus

<400> 6417

cgaaaatctg	acagaatgca	tagcgtggtg	catactggct	tcctcaggcc	cagtctcatc	60
gccaaagtca	acgtggaccg	gatcggtcga	gaggacgacg	gagccagcct	gtggacgccg	120
tatccgtctc	accgagctgc	tcgtccagcg	tacctcaacc	agtactttga	cgagtcgtgc	180
aatctgtgtg	agattgcgcg	cgacatctcc	cgggtcttgt	tcgtcgacga	ccagagccac	240
gcgtcgaccg	catatcgggc	ccagacaaag	gacaacctgt	acgagcggct	gcgtcgctgg	300
cacaacgcct	taccggacgt	cttcgatccc	ggacgacggc	ctccaccgca	tatcatcctg	360
ctgcccgtgc	gatactttac	cctggtcate	aatctgttct	cgtgcagttc	gtccaccgac	420
gatacctcca	gcctcgcgtc	gaacgcgccg	aaaacccttg	agagcccggc	gcgacagagt	480
cccacgggca	gatacaacgc	ctgggaaatc	acgcagtcgg	ccgcccggcg	catctcgtct	540
ttgacgcggc	tccatcgacg	tgagtacggc	atgagccggg	cgcatcactt	cgccatgtac	600
gcaatcaacc	tggccctgtt	cgtcttc				627

<210> 6418

<211> 1134

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (527)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6418

agactaacc	catgcctcga	catgaatgat	ccaacgtcaa	cacctcgcca	gatagtcccc	60
ggccgggtac	agacctcgcc	cacttcgccc	acatcagaca	gtccccctca	gggaagccaa	120
gcgtcgccga	cgagttcatg	gaagaaacgc	gtgtcgacgg	cgtgtttggc	atgtaagaag	180
tcaaagcgaa	aggtgggagg	gcgccccctt	atttttcatt	ttcgctcgtc	tggaccgaac	240
cgctccaacc	ttctggacat	ggacacggac	atggctgaca	atgcagcgaa	gtgctccggg	300
gtacctccct	gcgacaactg	ccgcgccttc	aaccgcgtgt	gcatcttcga	cgagtcactc	360
gaccagcgcc	ggcgcgctcg	ccagaaacgc	accgccgagg	aactcaacta	ccaccgggac	420
atgctcaacg	atctcttcgg	ggtgatccgc	accgcggacg	agcctcacgc	actcaagctg	480
ctggagatca	tcgcaagaa	cgcaaccgcc	gaagagatcc	gcgcgtncat	cgacgagacg	540
ctcatccggc	tggacgggga	gggcccgggc	gcgggctgtg	gccaggcggt	gcagaagctc	600
gaggatgtgc	ggcggacgat	cgatgtcgag	ggggcggaag	ccagcttcgg	gcggaaggtc	660
atggacatcc	attatctgtg	cgatgaggcg	ccgtggaagg	tgcttgcgaa	gccgtggacg	720
agtgtcacgc	aggatgagga	cctcgtttgc	cacctggtct	cgttgtatct	tacgtgggat	780
tatccgttcc	atgcgttttt	ggaccgcgat	gtcttctctg	cgcatatggc	aagggggagg	840
gaggattcgg	acttttgcag	tccgtttctg	gtgaatgcgt	tggttgcaaa	tgcttgtgtg	900
cgttctctct	tgttctgtcc	tgtttttccc	gcgtggagg	tggttttata	ttggggcgag	960

gtgattgctg	accgtgacga	gacagcactt	ctccgagttc	tccgaggcgt	atgtcgtgcc	1020
gggcgacttg	gtgaccaagg	gcgcggactt	tttgtcggaa	gcggagaggc	tgagggagga	1080
ggactctcca	aagctcagtc	tggcgtacct	gcaggggacg	ttgctgttgt	atga	1134

<210> 6419
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 6419	
atatcacttt	caagcgcaaa
gaaaagaaaa	aagaaaaaaa
tctttccttc	agctaagtgc
aggcatgatg	gtagcggatg
aggcgcggtg	aagttcgaaa
acgggaagga	tagacgcaaa
	taggtccagc
	atcacttact
	ga
	60
	120
	180
	240
	300
	342

<210> 6420
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 6420	
ttgtatcgaa	tgctgcgaaa
aaatcgcggtg	ccgcaggaac
ttactcggtc	cttttataatc
tgcttctata	catttttctg
ataggtgctc	gcaaatga
	tgtgctaagc
	ctcacgatcg
	attacgtcga
	taatatcccc
	gttcatccac
	taccctccct
	atatactgct
	cagcgggtttt
	ccttccagga
	258
	60
	120
	180
	240

<210> 6421
 <211> 822
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (136)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6421	
aactgtcaga	tgccactggc
cttcggacgc	atctggaggg
cagggaactct	taaatntcaa
tccggacata	gtttcagcat
ggcaactacg	gaacggttta
atggggccttc	gcggcatcat
gcgggctaagc	cccaggacaa
gagctggatg	aaaacaaatt
gtttcgccat	tcattatcga
tgtgtggagt	atatggacgg
aacattcttc	gaaaggtcgc
cataacatca	ttcatcgggg
atcaagattt	gcgatttcgg
attggctgcc	agaggttatat
	ggcacctgaa
	cgtattgcat
	ga
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	822

<210> 6422

<211> 327
 <212> DNA
 <213> A.fumigatus

<400> 6422
 ggcggtgtcc atctctccgg cgcgactggt ggtggaactt atagtgtgca gagcgacatc 60
 tggagtttgg gcctgaccat catcgaatgc gctatcggtc gctatccata tcctccggaa 120
 acctttaaca acattttcag ccagttgcat gtgagtttga aacccttttc tcaattattc 180
 cgcagtgtcg aacactgtct aatgccattt caaggctatc gtgcatgggg atccgccaac 240
 cttaccggag gaaggatatt cggaagaggg gcatgcattt gtccatgctt gcttggacaa 300
 aaatcccagc aagcgtcctt cgtatag 327

<210> 6423
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 6423
 tgccatttca aggctatcgt gcatggggat ccgccaacct taccggagga aggatattcg 60
 gaagaggcgc atgcatttgt ccatgcttgc ttggacaaaa atcccagcaa gcgtccttcg 120
 tatagtacct tactcagaca tccctggctt gctcccttga tgcaaccccc gacagagtcg 180
 aatgggtaccg aggcaacggt cgcgatcca tctgctggcc aacctggcgg gcccgatacg 240
 agtactgcga ctgaggatga ggaggtggcg gaatgggtca aggagcgaat tgaacgtcgc 300
 caacgggggc acctacaaga ggcagagaaa cctgcattgc atgcagtggc cttggatgca 360
 gtgcccggta gccctctgct tgatgatccc tcctcgctcc catcactttc tttag 414

<210> 6424
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 6424
 attcagacaa agtttacgtc tgttcatggg caggacccca ataaaatgcc ctatgacatc 60
 agaacttcgg tgacagatca ggttcatgcc tcggtcaagt catctctcca caatctctgc 120
 gcgccagatg cctcatcaag tgttgaagat gcttacattg atacgtttct ccttcactcg 180
 cctctgtcca cgatggctga aactatggag gcttggctta cgcttgaatc atatgtacct 240
 catcgcaccc gcaatctggg tatatcaaac tgtaccttac caattctgaa aaaactttat 300
 gcccgttgcy acggttaa 318

<210> 6425
 <211> 1311
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (710)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6425
 agactgctaa cttttcgaat cattcttagc gctgcaagag gcaacacgtc cttagaatcc 60
 gcagtttcgc tcacgaagac acttcgattg gatatgcaag ctctcgggca gcgattagca 120
 aacgctgctg cctccgagga attgctacga aaaggcgcaa agtctcccag ggaccgctca 180
 cgtaatgatg cggagatcaa gctcatagtc agggacatca agagacttct gacacgaatt 240
 gaggatgcag tgccgctgat gaacttggcc attaccacat cgggagccag actatcaacc 300
 aatcttccag cgacgggtgtc gccatctagg ttgttgcaag ccagtacctt cctgactgct 360

ggggacactc	agtactggat	gtctcctaca	caagctatcc	agatcgggcc	tacttttacc	420
ctatcgatat	acatgctctt	tgcgggtcac	gttcggcccc	aggatgaaga	gggcattcga	480
gaaaccacgt	ggaaggaggt	catccacaag	gcacgcgtga	agcttcggcg	tgtgccatta	540
gatcttacgt	ccataacact	agctccgact	tggcgagcta	aacttcggcg	agaggcacga	600
atagacgaat	accaataacca	aatggttgat	attgaagatt	tggacgacgg	aagagtgcac	660
tcgtacgatg	aagatgaacc	aaagccggag	ccctacgaag	gaatcccccn	agctgggatg	720
cgcgaaatac	tgccgatcca	ccagatatcg	aagatcttct	acgcggatac	gagtaaagtc	780
ttgaatatca	atacagaagg	cgaagttaac	aaccgggtac	tgctattgaa	gcgagatata	840
aatgctattc	ctccgcggcg	gatgcttgag	cgtgaagaag	cagattcggt	ttatgttcaa	900
gaagaacagg	gtgaggagga	aactgacgaa	atccaggcgc	agctgggatg	tcagttgaat	960
gggacgaatg	ctaaagattc	attgaatcaa	agctacaacg	agaagtctat	cccagaacac	1020
tggcgctttc	cgaagatctt	ggatcctgaa	tggatagcgt	tcgaagtcta	caatgaagat	1080
gagtcttcgg	acactgaatc	cgaagcggac	gcgcccgcga	gggagcactc	catagatccg	1140
caaagtatgg	caaagctatc	tcttgatgcc	gaggatgaca	ggtccaaaca	aacaactcca	1200
acctcttcac	acctgcccgc	cacaaccact	gtctcgaacc	ccctcttcaa	caacattcga	1260
acttccttct	ccatcgctct	acaccgcagg	ggctggaaga	acacgcaatc	c	1311

<210> 6426

<211> 585

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (72)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6426

gtcatttgggt	gcaaaatcaa	gacacccaaa	aagcgcccct	cacttggaca	gcgttgtttt	60
tgcaacctaa	cntatccttc	gttctcccca	tcttccttgt	ggttgtcctt	ctcacgatat	120
cccaagatgg	ccaatcagac	ccccgattcc	tgggaagacg	agctctcgaa	gcagaccgag	180
ggcgtaaacc	tgaatgcccg	cggacaatac	cgccctcagg	cacaagctcc	ctcattccac	240
cccggggctg	cctctttcca	gctgggtgca	ccttcgttcg	tgccaggcca	aacttaccag	300
cagtacggcg	gtggataccc	acagtatggg	cagtacggcg	gctacccogc	ctacgaccag	360
cagcaacaag	gctttgggtca	atatgggggt	tacgcccac	aacctgggtg	ctataaccag	420
atctacaaca	accagtatgg	tggctacaac	caacatcagc	agcagcaata	cactcaaccg	480
cctcgtaag	cggcaccggt	agctactcaa	gcaccttcag	ctcctgctca	gcctgcccac	540
accgctccca	atattcacca	cgggcctgga	aggaaccgca	attgc		585

<210> 6427

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6427

aacattttttc	tgcccctccg	caaccccgcc	attctgtacc	caacaaccat	ggcttcagaa	60
accaagattt	tgcccaagaa	ggcgagcgg	aacattctcg	tcacaagtgc	tctgccttat	120
gtcaataatg	tgccctcactt	gggcaacatt	gtaggttcag	ttctcagtgc	cgacgtcttc	180
gccagggtgtg	tcttgtacgc	cgctctttga				210

<210> 6428

<211> 816

<212> DNA

<213> A.fumigatus

<400> 6428

gatttgtcca	gatatcacia	agcttgcgga	cgacagactc	tctatatctg	tggaacagat	60
gagtacggca	ctgcaacgga	gacgaaggcc	ttggaggaga	aggtgacgcc	ggaggaactc	120
tgtgccaat	acaacaagat	ccatcaggag	gtgtacgagt	ggttcgaaat	cggtttcgac	180
catttcggcc	gactccccc	tcagcagcac	acagaaatct	cgcaggcaat	ctttaagagg	240
ctttacgata	atggatacct	aacggagaag	accgcggaac	agccattctg	cgaggcgcac	300
gggtcttttt	tagcggaccg	ctatgtcgag	ggagaatgcc	cgcgatgcca	ctacgaagat	360
gcacgaggag	atcagtgcga	caagtgcggc	caccttctcg	atccttttga	tctcatcaaa	420
cctcgctgta	agctcgatgg	agctacgccc	gtgcgcgct	ccacgaaaca	tattcacctt	480
cttcttgaca	agctgcagcc	tgagattgag	aactgggttc	ttcccgccat	ggagaaaggc	540
aactggccca	agaattctag	ggacatcacc	aaggcatggg	tgaagaagg	cttaaaggac	600
cgtggcatca	ccagagatct	caaatgggg	gttcagttc	ccctccctgg	attcgagaat	660
aaagtctct	acgtgtgggt	cgaagcctgc	atcggtatc	cgtcgatcac	ggccaactac	720
actgcagact	gggagaaatg	gtggcgcaat	ccagaggagg	ttgaattgta	tcagttcctt	780
ggcaaggata	atgtgcccct	tcacagtgtg	attttc			816

<210> 6429

<211> 324

<212> DNA

<213> A. fumigatus

<400> 6429

actgacatat	gcgtcctgta	cagtcacagg	gtcatttctc	caaccctgtg	gtccattggc	60
actgatctct	caaatcgtgt	cctgacgacc	ctagacaaga	gcctgatcac	atcttgacag	120
agcctcttcg	ctttatttagc	aagtcccttg	gcaggaatat	tgcccgataa	gctcggctcg	180
cggagagtta	tacttgtcgc	agacgttcta	tttactctgg	gagccttggg	acaggccggt	240
accggtcaag	tatggggcat	ggtacttggg	agaagtgttg	ttgggtctagc	cgtcgggtgcc	300
gcgagcctgg	ttactccatt	gtag				324

<210> 6430

<211> 1092

<212> DNA

<213> A. fumigatus

<400> 6430

ctgatcattg	tcttccccag	atatatctct	gagttggcgc	cttcccatgc	ccgagggaga	60
ctcgtgacta	tcttgtgcct	cttcacact	gggtggcagg	ttgtagctta	catcgttggc	120
tggctattct	ccacaatcac	cagtggctgg	cgggtggattg	tgggccttgg	aactctcccg	180
gctgtgctgc	aatcgtcat	tgtcgttgcc	ttaccggaaa	ctccccgatg	gctgggtcaa	240
gcggggctgg	aggcagaggc	tctccatgta	ttgtccaagg	tctatcaggg	ccagtctgac	300
aaccatcaaa	ttgctaagca	agtcgtgcga	agtatccagc	ttgaggtagc	tgaagagcaa	360
gaagagatgg	accgcattaa	acctagtgtc	gatgcgacta	ggataccatg	gcttcggaaa	420
gttgcccagc	gcgtcaaga	tctttttctc	gttgggtggaa	acagaagggc	attgataatc	480
gcaaccatgc	tgcaaggact	acagcaactt	tgcggttcca	acagtctcat	gtattttctc	540
gcgactatct	tctccatgct	cgcattctcc	tgcggccccc	tcacgtctct	ctctgtggct	600
gtgaccaatt	ttatttttac	gctgctggcg	tttgcgctga	tcgataggat	tggccggcgt	660
cgcattctgt	tatattcaat	acctgtcatg	agtgcacac	taattgtctg	cgccttggct	720
ttcggtccca	tggagctgcc	aggattctct	tctgagccgc	gatcacaac	ccaagccgac	780
aatggcgcca	cggataagtc	gtttcttcca	attgctgtgc	ttctctgcct	caactgtatat	840
accgcctcct	atgctttcgg	actgggcaac	gtgccttggc	aacagtcaga	gttatttccc	900
ctgaatgtgc	gttctcttgg	atcggtctc	gcgactgcaa	cgaactgggc	gtcaaatttc	960
attgtcggac	ttaccttctt	gccccatgat	gattggcttt	tttccgggtt	ggacatgtac	1020
gcccacgcc	ggcggttggg	tggttggatg	gtttggcatt	tgaaccattt	accccgaaat	1080
gggcctggtc	cc					1092

<210> 6431

<211> 468

<212> DNA

<213> A.fumigatus

<400> 6431

aaacagcaga	cacgcgagtt	tggaggaaga	ttagggacat	cttcagttcc	ggctgagata	60
ctgtgtttta	tggacaacag	acctgcctcc	gagtacgcgc	agtcaggttc	gcactttccg	120
tatccaccgt	ctgccactgc	gcattctgaa	ctcccagctg	cagaccaggc	ttctgctgct	180
gccactgctc	aatacacgcc	tcagcaagag	gtccgtccca	cccctcagta	tacgcctcaa	240
cccgaggtta	gacctgcctc	tgccgcgcgc	gccaatattt	cgtcctccaa	cacaccgcag	300
toggactacg	gtctgaacca	gcgcgcgcgc	gcgcgctcgc	ccgcataatc	ggactacctc	360
gctccgcgcg	ctcaatacca	tcacgcccc	aacaccagg	ccggtggtgc	ggcagggtatg	420
gctcaagcaa	caagtccgtc	catgaccacc	ctccatgatg	ggcaccaa		468

<210> 6432

<211> 186

<212> DNA

<213> A.fumigatus

<400> 6432

aatttggccg	cgcccgaaat	tggaggctat	tttaaacc	taaaatatga	ttttattact	60
aaatctagtt	attcttgccg	tgtggatatt	ataattgcct	atagtcagga	atatggtagt	120
tactgctgtg	tgggggtgcc	tgtaagggt	gttattctat	atctactacc	tgctctagag	180
agatag						186

<210> 6433

<211> 222

<212> DNA

<213> A.fumigatus

<400> 6433

atgtgttttg	acttctat	caaaagctgc	agtgtctcagc	cagccactat	accactaaaa	60
gcatgtataa	acttaaaaaa	tttagttgag	caggagggaa	gggtcctact	tatagtatta	120
gctttaaaaa	ataaggaaat	tcttaaatatt	tataaagctg	tgtgtatcta	taatatgcct	180
tatactaccc	tccagcagcg	cctaaagggg	catacttttt	aa		222

<210> 6434

<211> 537

<212> DNA

<213> A.fumigatus

<400> 6434

cctgatatag	gcttcggcac	cgtgttcctt	gccacaaaa	acactcctca	cggacaggct	60
aactttgcc	tcaagattaa	cgaacacaac	accattgcgg	ccgtggatga	tgggtcacat	120
gtagccgaaa	tgatgttctt	tgaagagggt	ggaaaagtgc	gttatatacc	gtgtgaagca	180
atgatcatgc	tcttattgac	tcgcagccca	aggtttccaa	ccctccactc	tgtctatact	240
gagaaggaca	aggtcgcgat	tgtcatgtct	gcttgtatcg	actacgatac	actccaactc	300
tcaaattgaa	tgcaagagac	ggaccaagtt	tgggccattg	aaggagggtca	tctccgcact	360
cgtggaaagg	aaccaaggct	gaatgagctt	caggcctgca	agggtgtcaac	gcagctcttg	420
gaagcaatcg	cttacctccg	tgatatgaac	atcacgtatg	gcgacgtgtc	ctatcgcaat	480
tacctcgtgg	gcgagaatct	tgaagtaagt	aaatttcaga	attttcaatt	cggttga	537

<210> 6435

<211> 285

<212> DNA

<213> A.fumigatus

<400> 6435

ttctctgcag	aacaagcagc	cgtagcagat	aagtcagcag	aggcggcaac	acaatccact	60
gagacgcagc	ctgggtcctc	cactacaaca	gtcccgaag	cgaagacaga	ggctcctgct	120
cccagagccca	cggtctgctg	tcccgtgtgt	ccggagacaa	ctacttccgc	gactgcccc	180
gcggaaaactg	cccctgctgc	tccagccccg	gctgctgagc	cgacacctgc	tcaaccaact	240
gctgaaaagc	ccgttgagac	cgcgagagccg	cctaagagtg	ggtaa		285

<210> 6436

<211> 318

<212> DNA

<213> A.fumigatus

<400> 6436

ttatcagctc	ctgatgctct	tcagcaattg	aagaagggtt	taaaagccat	tttctcccgc	60
aaaaagaaga	aggtcagaa	caatcaaaat	gagcctgccc	cggtgcgga	caagcctgta	120
gaacaggcag	caaccgcccc	cgccgctggc	gctggcgctg	ctgctgcggc	ggccgctgta	180
cctgccacag	aagctaagcc	agcagaacca	gcacctgcta	ccgaacctaa	gcctggtagc	240
ttgttccttt	atattttgct	tgatccagtc	aagttgtcca	aattaattct	ctgcagaaca	300
agcagccgta	gcagataa					318

<210> 6437

<211> 234

<212> DNA

<213> A.fumigatus

<400> 6437

gagcactcag	acgacactga	tcataagca	agctatattg	ctctaattcc	tgactgggaa	60
agatataaaa	aaaacgaggg	gtatattatg	cgacgcaaac	acggcaacga	caacgacgac	120
gataaaaaga	cgatcaactc	aacagaagga	acatttgggt	attatgcggc	aactgctcgc	180
tactgtggaa	acgtgaagga	gcagagtaat	gatcgaatta	ggagggactg	ttag	234

<210> 6438

<211> 453

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (33)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6438

ggtggtcggg	agtgtcctgg	gtatgtgttg	gcntttcctt	cgctctcactt	gggtttgata	60
ttgtttgctt	atttttgttt	ctcgcagccc	gggtgctatc	taccatggcg	ggttatacac	120
ctcaagcggc	aacataccaa	gatacctcct	gcactctgcc	atccaactgc	ggtcgcgact	180
atattgcatta	cgaaccctcc	gacaagagac	ccaaagtctc	gaaagaagcc	cggcaagaag	240
cgacgtatcc	agttgcggaa	gcgaaaaaag	gcggcagagg	aagagaagca	gagggaggcc	300
gagaagcgaa	atcgcaagaa	ccgggagagg	aaaatcaaac	ggagacaaaa	ggcacgagaa	360
ttgaaagctg	cagctgcagc	tgcagctgca	tcgggaccaa	gtcaagatgt	cgccgaagtg	420
gagatgaaaa	attcttctga	tgtgagcaat	tga			453

<210> 6439

<211> 237

<212> DNA

<213> A.fumigatus

<400> 6439

aagactcttc	agatgtttgt	tagtgccgga	gggttgaatg	ttcttgtgga	atTTTTggaa	60
gacgattatg	aggatgaacg	agatctggtc	cttataggcg	tcaatgggtat	ttggagcgtc	120
tttgagctgc	aagtaagtcc	agctcatcag	actaggttca	ctcaacatct	gacacttgca	180
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<210> 6440

<211> 543

<212> DNA

<213> A.fumigatus

<400> 6440

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gcccatacaa	taacgatgtt	gaagttttatc	aagaacttgt	ccatgctgtc	aactacactt	180
gactcgctgc	agaattcaaa	cgccattgac	gtgctgactg	atctcttgcg	gtcaaccatc	240
aaaaggccac	actttcgaga	agtctccaac	cagatcctga	atacaatcta	caacatgtgt	300
cgtctaaata	agtcccggca	agaggacgct	gcattgaacg	gtatcggtcc	gctgctccaa	360
aagattgtta	agactgagcg	acccttaaag	gaattcgctt	taccaatcct	ctgcgatatg	420
gcacattccg	gaaaggtggg	ccgtcgtgag	ctatggcgca	atagaggatt	gcctttctat	480
atatccctgc	tttccgaccc	ttactggcaa	gtaactgcct	tggtatgcat	ctttacctgg	540
taa						543

<210> 6441

<211> 414

<212> DNA

<213> A.fumigatus

<400> 6441

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tcacatgatt	ttcagcctga	gagaagacga	agaagatgct	ggcgatgcgc	ccctcgacaa	120
tttcggcgag	ttctccccct	tcgtccaata	ctcggttaa	tacgagtga	agagggctca	180
ggaccgaact	gcgagacagg	attcggaaca	aatcattctt	tggtgttgat	cccttgcaag	240
tgtcagatgt	tgagtgaacc	tagtctgatg	agctggactt	acttgcagct	caaagacgct	300
ccaaatacca	ttgacgccta	taaggaccag	atctcgttca	tcctcataat	cgtcttccaa	360
aaattccaca	agaacattca	accctccggc	actaacaac	atctgaagag	tctt	414

<210> 6442

<211> 732

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (718), (719), (725), (726)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6442

tgccaatgcc	ttgggtcacca	tatcggactc	caatcagggg	atatcgggaa	ggttgtatac	60
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gcgacttcct	gcattggctat	gctcctgacg	gataacaggt	accttttcaa	cccatattacc	180
attgccgcct	gtctcggccg	atccacaagc	gcctttactt	cgaccgcaat	cctttatgct	240
ctgtccaatg	ccgtcacggg	gaatagcttt	aacgccatgc	tcgctctagg	atgcgcgtca	300
tattttgtcaa	tctaccgggc	ccttctgttt	attccgctcg	tgcttctgtg	ttacgatcga	360
cgtgctcaag	tcgcgaagcc	ttcatctgga	gttgcaatct	tcgccattca	gcactttggc	420
atacttttgc	tcggcgctcg	agggcttcta	agtctgtctt	acttagtcgt	tccagacttc	480

cagcagtttta	tctctgcaac	atacggtttc	caattacttg	tccctgacct	tactcctaac	540
attggactct	ggtggatatt	cttcacgaa	atctttgatt	ctttccgaga	gttcttcctt	600
ggcgtcttct	ggctccattt	aacaggctat	gtcggcgggc	tcaccgttcg	attgcgcaag	660
cagcctcttt	ttgttctgac	ctcgtcttca	ccacggggct	ggaaggagcc	gcgccatnna	720
aaaanngcgc	ca					732

<210> 6443

<211> 306

<212> DNA

<213> A.fumigatus

<400> 6443

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gccctggccg	tatgtgccat	tctctgtctt	gccgtgcccg	ccaatgccct	ctacttctac	120
atggatggcc	gtcaaacaaa	atgcttctat	gaggatctgc	ccaaggacac	tctggttggt	180
ggtacgcgat	ggtcattcta	ttattcccag	ttggttgcta	attatcacat	ttttttccga	240
atgaacagga	aacttcaaaa	ccgaagtcac	caaccaacag	tccaacacgt	actcggtcga	300
ccctaa						306

<210> 6444

<211> 471

<212> DNA

<213> A.fumigatus

<400> 6444

acaggaaact	tcaaaaccga	agtcacaaac	caacagtcca	acacgtactc	ggtcgaccct	60
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aagcgcgacg	gtcacgccgg	ccgcttcacc	ttctccgccg	ccgacgccgg	ccagcacaga	180
atctgcctta	cgcccgcacac	caacgctgcc	gtggggcggt	ggctgtctgg	tgcgcccgcg	240
ggcgccgtca	gggtgaacct	ggacattgcc	atcggcgaga	caagcaagat	tgagaccgag	300
gacaaggaca	agatgaagga	tattgtgcag	aagggtcaagg	atctcaatgg	gcggctacag	360
gacattcgcc	gcgagcaggt	gttccaacgg	gtatgttggt	cttttccgac	tgtcttacac	420
tgtctggaac	tcggggagaat	ggcggttgct	gatttgccga	cttttggtta	a	471

<210> 6445

<211> 597

<212> DNA

<213> A.fumigatus

<400> 6445

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ttcagctcta	taagcagtac	tgactccaaa	atgtccgcga	gccctccatc	tagtcctctt	120
gagcgtcccc	ccagcacaga	gaaaggcgcc	acggacagct	tatccgagct	gcccgtggac	180
aaccagggag	aatccaagac	tcgcgaacgg	gatattcatg	aggaagaaca	atcaacacag	240
aacaaggtcg	atggaaatga	cacatcacaa	agcaagacac	aagatgccgg	agaaaaagta	300
acacgcccac	aaaatgataa	agagaatacc	aaggaggagg	acgcttctgc	gccaccatta	360
ccagacgagc	cactcccacc	accgcttccc	aacgaagctc	ctcccgatgg	ggatgatggc	420
tgggagcccg	tctgggatgc	aaccgtcaa	gcgtactact	tctacaaccg	cttcacaggc	480
gtttcgcaat	gggagaaccc	acgggtgccg	gatgcaccaa	tagcgtcagc	accagcattg	540
gcaccggtgc	ctctcagcga	ccccgcggaa	ggtgtaaagg	ccacaaccgg	gtcgtag	597

<210> 6446

<211> 552

<212> DNA

<213> A.fumigatus

<400> 6446

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aggcgtttcg	caatgggaga	accacgggt	gccggatgca	ccaatagcgt	cagcaccagc	120
attggcaccg	gtgcctctca	gcgacccgc	ggaaggtgta	aaggccacaa	cccgtctgta	180
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tatgaggagc	ccactctcgg	aggtgctgcg	gcgatccca	gtagctccta	cgaggctgtt	300
ggtgcattca	acaggttcac	gggcccgttg	cagcctgcc	ccctgactcc	ggagaactac	360
aatgatgaga	ataaatcgcg	acggcagttg	aatgcgttct	ttgatgtgga	tgcggctgcc	420
aatgcccatg	acgggcccgg	tctccgggcg	gagcgcagtg	ctaggaaact	caccaagaag	480
gaattgaaga	tgttcaagga	gaagagaaga	gagaagaaag	aggagaaacg	gagggcatgg	540
ctacgcgatt	ga					552

<210> 6447

<211> 345

<212> DNA

<213> A.fumigatus

<400> 6447

tttcggggcg	gcttttatgt	tttgaccgac	cacggagcat	tacttctcag	aatgtctgat	60
cattctagag	tctctatagg	aaccgccttt	gtggctggaa	tcctcctcgc	ggtgggggtt	120
tctgagcttc	tgtatccgga	gttgaagaat	cgcacccgag	ggactcgttc	tcagccgaca	180
aaggtcctgc	aggatggctc	cgcagactct	ttgacgggtc	ggtcagggcc	tcctgcaatt	240
gttgacggca	ttgaaggctg	catcggaac	actcctctgt	tacgcacaa	atcattatcc	300
gatgcgactg	gatgcgagat	tcttgggaaa	gcagaggtat	ggtga		345

<210> 6448

<211> 243

<212> DNA

<213> A.fumigatus

<400> 6448

cagtgcgtgc	aattgtgggt	atattcttgt	tggtagctag	tttgctacct	tgctaatac	60
tatgatacag	gttttgcggc	agtcaaaa	gcgatgaagc	tcggctcctg	ccataggatc	120
gtcacaatcc	tgtctgactc	tggctcaagg	cacctttctc	gattctgggc	caaggctgga	180
gatgtcggcg	gtgcggtaga	taccaaactc	gaggacgttc	tgaacgcaa	agatgacgaa	240
tag						243

<210> 6449

<211> 798

<212> DNA

<213> A.fumigatus

<400> 6449

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ctagtcttgc	cagagcaaag	ggctacctcg	ctcacatgtg	agtatcgact	cgtacgcttg	120
catgaagtgt	tcataccgca	actgacgctt	attagttgca	tgccatctga	ccaagctatc	180
gaaaagtcca	acctgctcct	gaaattaggc	gcaatagtag	atcgtgtacc	tcccgcaccg	240
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gctcattaca	acggtacagg	gccggaaatt	tatgcgcagt	gcaatggtaa	acttgacgcg	420
ttcgctcgctg	gcgctggtac	tgggggtaca	atctctggcg	tcgccctctt	cctgaagcct	480
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gttgacacga	tcgttggaagg	aattgggatt	aatcgcgtca	ctgccaaactt	cgaagcagga	660
aaggagctcg	tcgacgatgc	tgtgcgagtg	acggatgcgc	aggcgttggc	catggctaga	720
tggttagctg	aaaaggatgg	tatcttcggt	ggaagtagca	gtgctgtcaa	ttgtgggtat	780

attctttgttg gtacctag

798

<210> 6450

<211> 231

<212> DNA

<213> A. fumigatus

<400> 6450

tactcacatg	ctcgggctgg	tgacgagttc	gcaggcaatg	ccgactcggc	gtttctctcc	60
accagaaatg	ccccggcctt	tgcccttctc	ggatccaatc	aactggctct	taatgtggtg	120
gattccaagc	tgcttttcca	cttcaaatac	acgctgttct	ttatcggctc	ggctcatgtc	180
ccgaggcagt	ctcagcaatg	cgctgggtcag	gatagtttca	tgaccctgta	g	231

<210> 6451

<211> 213

<212> DNA

<213> A. fumigatus

<400> 6451

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gatcttcgcg	tacaaataag	tcatgatgcg	tttgagatct	acagttcggc	tctccctaac	120
tgctctcctc	tcattaagcg	catcaactat	atcggcgcgc	agcaactact	cccagtcgga	180
gctactcccc	ccgctcttct	ccgtgctcga	tga			213

<210> 6452

<211> 1608

<212> DNA

<213> A. fumigatus

<400> 6452

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gcatcaacta	tatcggcgcg	cagcaactac	tcccagtcgc	agctactccc	cccgtctctc	120
tccgtgctcg	atgaccgacc	tccggaatgt	cctccgtgct	tcaactgcca	gctcgatgct	180
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cgagccgata	aagaacagcg	tgtatttgaa	gtggaaaagc	agcttggaat	ccaccacatt	1500
aaagaccagt	tgattggatc	cgaggaaggc	aaaggccggg	gcatttctgg	tggagagaaa	1560

cgccgagtcg gcattgcctg cgaactcgtc accagcccga gcatgtga

1608

<210> 6453

<211> 1098

<212> DNA

<213> A.fumigatus

<400> 6453

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acgggtgctg	tcatacctcg	cggtgtcatc	aacgccgtga	agcgttcggg	acttccctgc	180
aaggagcacc	gogccgtctt	ccttggtgct	ggaagtgcgt	gtgtcgggtg	ggccaagcaa	240
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ctggtcgaca	ccaagggctt	tgtaaccgct	gatcgggggt	acaagcttgc	cgatcataag	360
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<210> 6454

<211> 459

<212> DNA

<213> A.fumigatus

<400> 6454

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cgcctgaca	aaatctcccc	cgaggaggaa	cggaattca	tggatgagtt	gatggcggct	360
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gacgctaacg	gaggtcaaca	gtatcgtcat	tcagtttga			459

<210> 6455

<211> 423

<212> DNA

<213> A.fumigatus

<400> 6455

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tag

423

<210> 6456
 <211> 1569
 <212> DNA
 <213> A.fumigatus

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 gaggcacctg acttgactaa cggcaacttg attccaccgg aagttccgct gtcacagggg 180
 gattgggctg gccaatggcc aactatggga actctcgatg ccatgcctgt acaactgcct 240
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 agactagacc taggtgcttc caatatacct tctccgcgag ataggtacct ttgcaagctc 480
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 aacaagggtc gcctcgacag cctgacccga ccatgcccac ctcccaaaac ttgtggactt 720
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<210> 6457
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 6457
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 tacactgacc ctcccaccca gacacttggg ggccatttag ctccagctcc gactaccaac 180
 atggcctttg tgagtcaacc acctacaagt gtatttctcg gtatatcgaa atag 234

<210> 6458
 <211> 402
 <212> DNA
 <213> A.fumigatus

<400> 6458
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 gcatcgga caacaacagc agcagcaaca gcaacaaca caacagccgc agcaacaaac 120
 tcaatcaatg ggcacgggt gggaccatcc gatcttcagt cagcagcatc cgcaaaggac 180

acatgtacca	tcacatcaag	accaagatca	tggcatctat	tcacgtcaa	ctccgcagtc	240
gtggcaaaa	aattcactac	aacaacatct	ccatcatcat	caacaacaac	agatactttc	300
gccagctcca	cagggctctg	gggtgcccac	tcagtatcat	caggttcac	gatatcctcc	360
aggccaggtg	acattcgatt	cacggcctct	cctgcagct	aa		402

<210> 6459

<211> 834

<212> DNA

<213> A.fumigatus

<400> 6459

caactaccac	ctgcgatcaa	agtcaacgcc	tgttatagag	ggcaaattaa	gcccagaatg	60
gatcatccct	cgtcacaggg	catgatgcct	ggcttgcat	gcaactcagt	aactccgggt	120
tcagttcagc	ctgattattg	gaacaatctg	gattcggtat	attccgggtc	tgatcctcca	180
caccagcatc	cacacctgac	ccaacagcag	atgcatcagt	cgcaccagca	gcagcatcgg	240
caacaacaac	agcagcagca	acagcaacaa	caacaacagc	cgcagcaaca	aactcaatca	300
atgggcatcg	gctgggacca	tccgatcttc	agtcagcagc	atccgcaaag	gacacatgta	360
ccatcacatc	aagaccaaga	tcattggcatc	tattcatcgt	caactccgca	gtcgtggcaa	420
caaaattcac	tacaacaaca	tctccatcat	catcaacaac	aacagatact	ttcgccagct	480
ccacaggggtc	ttgggggtgcc	cactcagtat	catcagggttc	atcgatatcc	tccaggccag	540
gtgacattcg	attcacggcc	tctccctgca	gctaacaacc	cttcatatca	aacttactca	600
ttccctcaga	acttctatct	ttctcagcac	atgtcgcttc	cagatgcctt	tcctcaatca	660
aatccaccgc	aggcctctcg	atcgagact	tcccagcaga	atcattacca	gaccgtcgca	720
catcagacgc	ctattgcac	atactcgctt	cctaccggat	atcttgaagg	gaactcggtg	780
agcacacaga	tgactcatca	tcttaaggac	gtttcactga	catacagtag	atga	834

<210> 6460

<211> 345

<212> DNA

<213> A.fumigatus

<400> 6460

cccaacagca	gatgcatcag	tcgcaccagc	agcagcatcg	gcaacaacaa	cagcagcagc	60
aacagcaaca	acaacaacag	ccgcagcaac	aaactcaatc	aatgggcatc	ggctgggacc	120
atccgatctt	cagtcagcag	catccgcaaa	ggacacatgt	accatcacat	caagaccaag	180
atcatggcat	ctattcatcg	tcaactccgc	agtcgtggca	acaaaattca	ctacaacaac	240
atctccatca	tcatacaaca	caacagatac	tttcgccagc	tccacagggt	cttgggggtgc	300
ccactcagta	tcactcaggt	catcgatata	ctccaggcca	ggtga		345

<210> 6461

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6461

gtacatatca	gtcattacct	tggggaggtt	ctccgcaatg	gccctgatcc	tatatggcca	60
tcattcaccg	cctttgctgt	aagatggcgc	aagtatcaag	gtatgtcgct	tgaccataga	120
tgogaatccg	atactacgga	gctgatggct	ggtttcattc	ctttctacat	ctatgaagag	180
atagactga						189

<210> 6462

<211> 444

<212> DNA

<213> A.fumigatus

<400> 6462

aactcaaggg	ccgaggttcg	tggccgtccg	acaagcctac	tacttcagat	atacgatgtc	60
gaatcttcat	ttctaaccgg	tcgatatcag	gtccaccgcc	ttgtcgcccc	tcgggatcag	120
aagtatcagt	cgaactttgt	tgagtttaaa	cggagtacaa	agatttgtga	ccggagatat	180
gcagggctgt	tcttctgtgt	gtgtgttgac	gccacggaca	atgagctagc	ctatctggag	240
gctatacatt	tcttcgtcga	ggctcctagac	cagttctttg	gcaatgtctg	tgagctggat	300
ctgggtattca	actttttacaa	gggtcgtgag	gtctatgcag	gtggtttatg	ttcaaggaca	360
ttgagggctg	caggagatgt	cattcgattg	tccgacaacc	atgggtgctaa	ccgggggatg	420
tgcgtaggta	tatgcgattc	ttga				444

<210> 6463

<211> 519

<212> DNA

<213> A.fumigatus

<400> 6463

aagacggatc	cggatatcgt	agctcgtcta	ccggacctac	aattcatcga	gcaatatgac	60
cccgaagaca	ctgatagcgc	aaccgctgtc	agccagccct	atgcctacgt	cgcgccaag	120
gtgattacac	tctcggaaacc	tgggtgctaag	gcgcgggggc	tcagttggaa	tcctgaagac	180
ttggctaagg	actccccctt	ggaaccaagt	gaaatggaag	ccctgacaca	actccgagat	240
aagtacgccg	caggagagag	aataggttgg	tggattgttt	acaatgggga	cccagacaga	300
gctttccctc	gctacgagga	ggacgacagt	tatgacgaat	acgattatga	cgatgatgac	360
gtgatgagt	acacggaatc	aaatggcgat	agtgttagga	actcaacagc	tccagagaca	420
cctcctagcc	cgggtgtaag	tcttgccttt	cgtacttctt	tgatacttgt	gaccgattat	480
attgatgggt	tggcacattt	aaggctcgat	tccccgtga			519

<210> 6464

<211> 1284

<212> DNA

<213> A.fumigatus

<400> 6464

tctcttttgcg	ttcaattatt	cactgacaat	ccgatcttga	caatagtgga	acaactggcc	60
attcagcagc	agattgagct	gcttcagcag	caacaacaac	aaattgcggc	gacacatcaa	120
cagtatgtca	acatgggact	cttacagcca	cagcaactgg	gccaaagtct	ggcattctct	180
ccttcgcttc	agggcggtgc	gtctatgggg	ggcgtttccc	ctcagatcaa	cgccttccag	240
tttccccagc	tagctcagca	acagcttggc	gtacctatga	acactcctac	tcagcactcg	300
caccgacgca	atcaatccgc	acttcccgtt	ctgcctatgg	gccctccgcc	tgccccatcc	360
tcaggtgctt	ccggatacac	tgattacaat	gcccgagcag	gtaaccctca	acagaaggaa	420
aacaataacc	atggccgtaa	tcggggggccg	ccaggtggtg	gtcaccaacg	tcgtcattcg	480
ctcgctttac	cagaagctaa	aaaggccgcg	gagctagctc	aacaaaagag	aacagcatcc	540
ggcttttcagt	tccccgcccc	aggcgctgga	ggtagctcag	agaacctatc	cggctccgag	600
gataaaccga	cctcgaccac	accacaaccc	ccccaggggc	ttgggtctgca	ccgtgccggc	660
aaccttcggg	ctggcgccca	tggctgcagc	caatccgtcg	ctggttgcaa	ctcccgggga	720
tcgtgttcg	gacgcggtat	gggtggcttt	caatttccac	aatctagcga	cattggaggg	780
caatccgaga	accaacgacg	tggcagccag	ccgggccatg	cacgcacccc	atcgagaaat	840
ttcgacggta	actggcgta	gcctaacaat	cagaatcagg	cacaggacca	gcagaagagc	900
ttcggacagc	aaggtggtag	cactttccaa	cctggccacc	gcgctcgtgc	gtccaaccaa	960
tcgattgggt	ctattggctc	cttcagtat	cccgccagc	cccagcttat	ccagttgctt	1020
cagggtcagg	ttgttatggc	gccacctcaa	ctgttcggcg	ctggacagca	gctaagcccg	1080
ttgcaactgg	cacagctcca	agccctccag	caacaaagcg	gtcaattaaa	tggacaaggg	1140
cttgccgggc	tgcaggctag	ccaacacgct	ccgccacagc	tgtctgctca	gcaacagcag	1200
cagcagcaac	aacaacagca	gcgcaagact	ctattttatt	cttatctgcc	tcaggcgaac	1260
ctgcctgctt	caccacgggg	ctag				1284

<210> 6465

<211> 729

<212> DNA

<213> A.fumigatus

<400> 6465

ttcgacgttc	ctagtgtctc	tttgccacta	cactttcaaa	ccgttacccc	tcaaaccgaa	60
aagctggagc	taccgtcgat	ctcccaggtc	catacaagag	gtcctgttga	tatcccttgg	120
tacaaccacc	acgccgcgga	acgacctttg	ttgtctggtg	acaaacttcc	ggccctcagt	180
cttcccacgg	cctcgcagcc	gacgtctctg	ggccagtcct	acagggctag	ctacgaagag	240
tcggctccgg	gttcgaccac	ctcaagcgct	cggacaagcc	tatcgtccgg	caccgcaccg	300
accatcagcg	aggtcagaac	accgccgtct	gttgaccttg	tggctggtgg	acacggccgt	360
ctctccctgg	aatcttccgc	ctcgcaggac	tataccgttg	cgcataatca	ggtgagcgac	420
agctactacc	cgaatccgac	ccctcggggc	agcatgaacc	aaaccacccc	ttacatggac	480
ttcactccgt	cgaatctctc	catcggcgca	acccgtacgc	ctcctcatgc	gggcgaacgg	540
caaggagcca	agggcccccct	atccgcgaat	atcctcaaac	aaaccacctg	ttcctggcaa	600
cccagccctc	caagttactg	tcttgcccaa	cttctctact	tcgccattat	ggccttatcc	660
ctaaccgggg	gttggcctcc	gtctccagaa	aacggcctca	acccccgggg	cattcaacaa	720
tcggaatga						729

<210> 6466

<211> 267

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (77), (113), (121), (184), (240)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6466

ggcctttcgt	tgttactaaa	ccttccctcc	aagcaagttc	acacaagcca	cacccccgta	60
aaccacgccg	ccgtgtntta	tattggccaa	cacccatcac	gggggtactcc	ccnaatttcc	120
nacgggtgtt	ccccctcaat	taaatacctac	ctgggggaaca	atagtggcgc	ccccccccgt	180
gttngtccac	agccgcccaa	aatccccctgt	gccactcttt	gtttgggtaa	gggaacaaan	240
ggggaattct	cctgtgtata	tcccgggt				267

<210> 6467

<211> 330

<212> DNA

<213> A.fumigatus

<400> 6467

agtccccaaa	ggctgtctta	tctattcact	atgactatcc	tcaaacaaac	cctcgataat	60
gcagagatac	aggagagtgc	tattgtcact	atgactgctg	gtaataaaag	cggggcttct	120
atgctggaga	atgcttttgg	gtcccaaggg	gtcaggtca	tgctcccaga	accagcttgg	180
agcaaggtcc	ggacttactg	ccgtgatgca	ttttctgaat	tcttcggaac	tatgatcctc	240
atcctctttg	gagatggcgt	ggttgcccag	gtcacactta	gcaaaggaga	aaagggtgac	300
tatcaatcaa	tctcctgggg	ctgggggtga				330

<210> 6468

<211> 735

<212> DNA

<213> A.fumigatus

<400> 6468

tcctcatcct	ctttggagat	ggcgtgggtg	cccaggtcac	acttagcaaa	ggagaaaagg	60
gtgactatca	atcaatctcc	tggggctggg	ggtgagtata	tctcttggtt	ttgctgtctca	120

atcctctggc	acttactgac	ggggttgctc	tttaggatcg	gagtcagtgt	gggtgtctac	180
gcgagtggca	tctccggagc	acacatcaac	ccggcagtga	cctttgcaaa	ctgcgtcttc	240
cgaaaattcc	catggcgaaa	attccccgtc	tatgccattg	cccagatact	gggagcgatg	300
tgtggagcag	ctattgtcta	tggaaattac	aggtcggcca	tcgatcagtt	tgaagggggg	360
gcacacattc	gaacggtgcc	tggatattct	cctacagcca	ccgcgggtat	cttctgtacc	420
tacccggcgg	aattcatgac	caggacggga	caattcttct	cggagtccat	cgccagctcc	480
atcctgatgt	tcttgatatt	tgtctgaaa	gacgacggaa	atatcggggc	tgggtccctt	540
accccccttg	cgctcttctt	tgtgatcttt	ggcattggcg	cttgttttgg	gtgggaaact	600
gggtatgcca	tcaaccttgc	tcgagatttc	gggcctagat	tggtttccta	tatgatcgga	660
tacgggcccc	aggctctgga	ggcaggaaac	tattactttt	gggtatgcct	ggctctattt	720
gaatatgatg	actga					735

<210> 6469

<211> 813

<212> DNA

<213> A.fumigatus

<400> 6469

tttggtatcg	tgactactct	cctcatggag	atgcatacag	tgggtgtccc	ccccgaaaag	60
cctgctcctc	cgccagctgc	acaaccccaa	gccgtgcgcg	ctcctgcgcc	ggaaaagaag	120
aaacgcgtgc	gtcgatggca	tcgtcgtggc	tttacagggt	gtttaacctg	taggcgacgt	180
catgttcgtt	gcgacgaggc	ctctccgtca	tgcaaaaatt	gtacacgggt	gggtctcgat	240
tcgatggga	cccaaggctc	aatgaccttc	aaagtctatg	gcccgtcgca	aggtgcacag	300
gacttgctcc	cgagcccaaa	caatatcagc	acggcacaatg	caatcacggg	caaaaatcag	360
caagcagata	tcaagcatgt	caagcaggag	ccccgggacg	agaaggatga	tcttgttgat	420
ggcatagtga	tttctccgac	gaccgttggc	gactcggctc	cgggtcaaata	tcgattccaa	480
gacccccctt	ctccttcggg	tttcatgccc	tcgtcgttag	atctcgtaga	gggccgctat	540
tataccatt	tcacgaaca	ggctctccac	ttgctcctga	tctacgataa	ttcgaataac	600
gtcaacccgt	ttcgacaata	ctttcccgaa	ctcgcgagct	cgcccccatc	cgtggcgagc	660
gccatgcaag	cgcttggcgc	gttgacacct	gcaaatacgt	ccgcgcggcc	aaaacgcaat	720
gtccattttc	aacaagcaat	gggcaagtat	ggggaggtgg	tgaagacctt	taggacgtct	780
tcaccacggg	gctggaagga	tccacggaga	tca			813

<210> 6470

<211> 228

<212> DNA

<213> A.fumigatus

<400> 6470

gttctttctag	ccagctacag	acaagatagc	catcttcacc	tcacagaagg	aggatgcttg	60
ctcgaggcaa	aaacgctacg	accaatcatc	tgggtgcatc	tcgaactcgg	caaggagtgg	120
ccttgaccgc	agaaggttac	atggaaggat	gtcacctcca	ttcgcaaact	aactgttctt	180
ggacaactcc	tcgacggaaa	caatcacagg	tggacgcggc	agtgtctga		228

<210> 6471

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6471

gggtctattc	cgcgccggta	cgttctcact	ctagctttta	ccatccggaa	ggctcacatg	60
gtcgtagcta	tcattggaatc	cggtaacgct	gttggacccc	catggaacgg	cacggactgg	120
catcagccga	tgtacgaccg	catcgtgaac	aaggctgggt	atcttaatcg	ctcctcacga	180
tggagtttat	gctga					195

<210> 6472

<211> 189
 <212> DNA
 <213> A.fumigatus

<400> 6472
 gagatctatg gctcatttct catacagatc ccttttgtct ttgcgaatcc tgtgcagaac 60
 attacaccgc tgggaactga tccctcccg tctcgaactgg gcaacatggc cgctcggatg 120
 tggacgtcct tctgtacgga ccttaatccc aatgggcatg gaggtacgtc tggatcaaga 180
 cttgactga 189

<210> 6473
 <211> 804
 <212> DNA
 <213> A.fumigatus

<400> 6473
 acaaggctgg gtatcttaat cgctcctcac gatggagttt atgctgacaa tagtagttgc 60
 tctacgtcct cggacacact ccagtgtctg cgagaagtcc cctaccagtc cttgtacgac 120
 atagcgtacg agggcctgga atgggttcgcc gccatcgacg gttcatttat caaagagtat 180
 cctcagatta gctatactga aggcagactg gcaaaagtac ccatcctcct tggatccaac 240
 acagatgaag gaaccagctt cggtaactaca gggacgaaca cggacgaaga atgcattaac 300
 caactcatat gtgggttttt ctgtcggcca aggcaacgac tagtactgac gatgacagcc 360
 tcaaagcgct gggctcctcac ccgtgaagaa gccacgcgcc ttctgacgta ctacccaac 420
 gaccctgccc tgggatgtcc ctatggctgg gggaaacgtca cttggccgaa gctgggactg 480
 atgtacaaac ggtacgaatc gatggcaggc gatctgacta tgggtggcacc aaggcggctg 540
 cttgctgcaga ccatggcaaa gtacacaaaa caggtctact cttatcgatg ggacgtgccg 600
 gccttgaaca caagtagcac catcgggtgtc ggacatttcg cagagggttag tcaccaccac 660
 ctgcatagga gatctatggc tcatctctca tacagatccc ttttgtcttt gccaatcctg 720
 tgcagaacat tacaccgtg ggaactgatc cctcccgctc cgaactgggc aacatggccg 780
 ctcggtatgtg gacgtccttc gtga 804

<210> 6474
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 6474
 cttactcgga ccttgccgct cgtggtgaag atgcatttga agtcgtcctg tccgtattgg 60
 tttctgtact gcataatggg tccacaggac cagacaggag cgaaacggat cagggggaag 120
 cccgttccca gtcagccagg atctcatggc ccgacagtca tgaacgtgcc gccgccatca 180
 acaggggtcca gggaggcctg cgatgagtgc cggatccgca aggtccgttg caacaaggaa 240
 tatcccaagt gctccagctg ccgcaaactc aacctcgctt gtggcttctc gaacaagggg 300
 aagcgagtca atcataccaa gaaactgtcc gtcttctgtg ttcttctagt tgatctggat 360
 gattctaata tccctgtgcc tggatag 387

<210> 6475
 <211> 294
 <212> DNA
 <213> A.fumigatus

<400> 6475
 aagcacgcat ctttcctggc cggcaagcct tgcctgcttc cgtcgtatga ctgcgggctg 60
 ccgttcccag tggccaagtc ggagcatctc ccacgggac aacgttcggc acacatctct 120
 ctggcccggga tccaagaaga cgtctaccaa cgtctctact cggcgcaaac cgctcacaag 180
 ggccgcgagt acatcagtcg tcaaactcag cagatcaacc gaacattgga tgactgggaa 240
 atccagcaca aacacatcct ctctcctgca agcaccatga cggcccagga agcc 294

<210> 6476
 <211> 1401
 <212> DNA
 <213> A.fumigatus

<400> 6476
 ttgatctgga tgattctaata ctccctgtgc ctggataggg tgaacgatgt cgaaatcctc 60
 ggaaaccgtc tcgggaagat tgaagaggcg ctcatctcgt gtttgtcggc cgtcgagcgt 120
 tcgcagactc cgtcaaacgc gacggcacgg caaagctcgg ttatcccgtc tgacgacagc 180
 agccatcccc accccaatga tagtgcgctt acggacggaa acacgctcac agatgcgtcg 240
 ttagaaaacga atgccgaagc atgcaatgac cctaccttcc ctggatcaac cccgattgct 300
 tctttttata ccgaagccca ggccggcgtgc gacagactga gatcggtagt accgttcggc 360
 agtccagaca gccagcacag tccggcttgc cgggatttca taccagaccg gactggttca 420
 ttacagtcac ggcttcaaga agtcggcgaa ctggttgaga aattcgcccg agaaagcccg 480
 gtcattgtcg tacccgagtc cgatggcctg ctgccttcat taccaccacg agcgtctggtg 540
 gagacctgtc tagaaacata ctttgccctg ttgagtcctt ttctgcccct ctacagcccg 600
 cagagtgtca tggcggccat tgacgagcaa tacggacccc gagtcaatag tcccgaccct 660
 gcctgggtga tctcgttcaa caatatctt ctgcagacc tggatgccag atatagtgc 720
 ggcacacgag cgggttccat cactcacaac ctcccggaag aggagctcat caaaagtgtg 780
 ttgttaaact atcgacgagg gtacaacaat ttcgagagac ttttgagacc acagtgtggc 840
 aacgtgcaag ccctgttaag catggtaggc cgtcccttct tcatgcatgg tatattcact 900
 gtcttaccgg ctccaggctt gatcgcttca aagtactttt ctctcgcgac cttcgagaca 960
 gtcttcgcac aggcgtgcc a gctagccaaa tccattggtc tccatcaaag cagtccggac 1020
 tcgggagaac cagaacagaa agatctgtgg tggtcattgt tcatcatcga tgtgagtcta 1080
 ccaattgttt gtgtcacttt cccctgctca cgacggaata gaagcacgca tctttcctgg 1140
 ccggcaagcc ttgcctgctt ccgtcgtatg actgcgggct gccgttccca gtggccaagt 1200
 cggagcatct cccacgggat caacgttcgg cacacatctc tctggcccgg atccaagaag 1260
 acgtctacca acgtctctac tcggcgcaaaa ccgctcacaa gggccgcgag tacatcagtc 1320
 gtcaaaactca gcagatcaac cgaacattgg atgactggga aatccagcac aaacacatcc 1380
 tctctcctgc aagcaccatg a 1401

<210> 6477
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 6477
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 tctatactcg gtattcttgg ggatcttctc gcccgtagg ggttcgaccc tagttcacag 120
 tttaacagag cactaggtac tgtctccggc catgagttcc tcgtgtacta caccatggga 180
 cgtgttagaa gctaa 195

<210> 6478
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 6478
 ccttaccacc ccggcttgccg tttgtctcaa gacctaatgg atacaatcgg tgataagctt 60
 tccaaggagc cagacctggc caaaactggc ttggagatcg attatattga cccaaccag 120
 atctgccgta ctccatttcc agaaaccgct tccccgacgc gctatagtag taccctggat 180
 gcgactctca tgttacatta g 201

<210> 6479
 <211> 1083

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (275), (528)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6479

agacgtttta	agatttttctt	ttccttttgac	tatgtcgccc	gcggaccatg	gaaccaagat	60
gacgtgactg	agttgttggt	gagatacaaa	gtgaatgagg	catactatag	gaacaatggc	120
cgtccgctag	catccacctt	cgagggctcg	gagaacgcag	aggagtggat	aaatatcaaa	180
gccagcacag	attgcttctt	tattcccgcac	tggtcctcac	tgggagccaa	ggcagctttg	240
gagataggg	acggaattgt	ggacgggctg	tttancctggg	ccgcctggcc	ctccgggtccg	300
caagatatga	acacgcagg	agatttatgc	tatatataaac	tccttaacga	atcggagggt	360
ctggctctata	tgatgccgg	atctccatgg	ttctatacga	atttgcccgg	ttatggcaag	420
aactggcctt	ggcgcgggga	cgacctctgg	cacgatcgct	ggcaggagg	cttatccgtc	480
cgcccggaa	tgcgcgaaat	catttcgtgg	aatgactatg	gtgagtcnca	ctacatcgga	540
ccgctccacg	aaggcgggta	tgagctattc	agaaccggca	aggccccatt	caattacgcg	600
gagaatatgc	cacacgatgg	atggcgaacc	ctactgccat	tcattattgg	tacttataaa	660
cgtggctcatg	caaaaagttaa	acaggagtcg	ttggtaacgt	ggtatcgtag	aacccttgga	720
tctgcctgcg	gtactggtgg	aacttcagca	aatacgcaaa	gtcatgcgca	tattgaattc	780
agccctctag	aggctgtggc	ggatcggatt	ttctactctg	ctttactcac	tgagtatgcc	840
acgcctgaaa	tattcattgg	tagcaccacg	caaaagggga	cgtggagaaa	cctaccggct	900
agcggtaggg	gcattctatca	cgggagcgcg	ccattcaacg	gggcaagg	ggatgtagaa	960
gtgactttgt	ggagagaagg	caacagaatc	ttgacactga	aaggcaagg	gatctctggg	1020
agctgttata	acgggtgttca	gaattggaat	gcctgggtgg	gcagtactca	gtcaccag	1080
taa						1083

<210> 6480

<211> 549

<212> DNA

<213> A.fumigatus

<400> 6480

catgagtttt	cgaatcccct	acgcaaaagg	cctcccgcac	ttttctacga	tgacaatgaa	60
tcccggaaat	acactacttc	atcccgtatt	cgtaacattc	aagcagatat	gacccatcga	120
gcgctggagc	tccttgacct	tcgttctccg	tcgctcatcc	tcgatgtggg	gtgcggttcc	180
gggctttctg	gcgagatcct	ttcccaagtt	cctcctcagc	aggggtggacc	tcatacctgg	240
gtcggaatgg	acatttcacc	aagcatgctt	gatgtggcac	tgcagcgaga	tgttgagggt	300
gacttgctcc	tggctgatat	tggacagggc	gtgccatttc	ggcctggcac	cttcgacgcg	360
gctatcagta	tcagtgcctt	ccagtgggtg	tgcaatgcgg	agacaagcga	tgtcagcccc	420
gagggccgct	ttcgtagatt	ttttgaagga	ttatactcca	gtcttcgccc	agggggggcgt	480
gctgtctgcc	agttctatcc	aaagaatgct	gccaacgggg	gttttcaaca	gccggccgag	540
atccagcaa						549

<210> 6481

<211> 240

<212> DNA

<213> A.fumigatus

<400> 6481

ttgtgggctt	tgagcgccct	tccacccccg	gtgaagacat	cgattaactg	gcacgtgttc	60
ggatatgggtg	cggtgagtag	tactgaattt	ggaactatga	agggttttca	agcatatgtg	120
tgtttgttcg	agattatccg	cggatcctcc	atgcgggtga	gttggagttg	tgaccgatgc	180
caatggaaat	atgcagaggt	gcctgtcccc	atgatcccat	acttagcctg	gacctctga	240

<210> 6482
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 6482
 acagtgtgt gcgagcttct ggatgccctg cttcaatatg atccagctca gaggctatct 60
 gcaaagcagg cctgcatgca ccattacttc cgcaatagca gtcatacctc atcctatttc 120
 aaccgtactc agggcgggtgc taaccaatct ctagacagag agcatatcac agcatcattg 180
 atgttggtca ctaactgtga atag 204

<210> 6483
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 6483
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 gactacaagc ccactttccc aaagtggagg cgctcccag ctccactgat cccaggattt 180
 agacagtgtc gtgcgagctt ctggatgccc tgcttcaata tgatccagct cagaggctat 240
 ctgcaaagca ggcttgcatt caccattact tccgcaatag cagctcatcc tcctcctatt 300
 tcaaccgtac tcagggcggg gctaaccaat ctctag 336

<210> 6484
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 6484
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 ccctatgtag ccgtattttg tagcctgtcc taccgcccag caatcagagg gtccaggcta 120
 agtatgggat catggggaca ggcaactctg catattttcca ttggcatcgg tcacaactcc 180
 aactacaccg catggaggat ccgcgataa 210

<210> 6485
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 6485
 attagatctt tgacgaggat tgcgctagaa aatggcgcca gaagcctoga gatgatggat 60
 tgggtcatcg aggaagttac gttcaaggct gaaacattcc tcaaaaagga aatggtcatt 120
 gtgttggaag gagacgtcgt caaatccaac attgctatca aagatatagc ttgccctcca 180
 ggcggatgtg gagccttttg agaattttgc tga 213

<210> 6486
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 6486
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 atcaataatg gcagagccgg aaccaaaggt gagtttcttg acttggtcac tacatatagt 120
 ctggattacc agtatctgcc atgtgagatc aactttaag acactactga gggctgccgt 180

attgcatcct cctacaacaa ttag

204

<210> 6487

<211> 396

<212> DNA

<213> A.fumigatus

<400> 6487

gtaatgatac	ctcaggtggt	cctccggaga	ttggagatgc	agcgtgtgct	gttcatcatt	60
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gtgcaatggt	ggagttacgc	taagagactt	gcatgcactg	gtgcgcatct	catcccaggt	180
atgttccatt	gtatggtctt	tagtggatat	gtattccata	ttcacatgtt	cctgcaagct	240
tgtgcacttc	tctcatcaaa	gctgggttctg	aggagtggtg	tgatcatgag	cgcttgggtg	300
caagtgtcca	ctcagactcc	ttttaagggc	catatcagat	tctacagcat	caataacaat	360
gcagaggttc	tgcattgcac	gctcaagacg	gtgttaa			396

<210> 6488

<211> 453

<212> DNA

<213> A.fumigatus

<400> 6488

agtcattctt	cgcagtcaac	cacacacaga	tcaatcatgg	ctgagaacgc	tcttcccagc	60
cccaaacgct	acataaccga	gaacgatgat	gagggcaact	cctttttctc	gaataccctc	120
agcgagtccc	ttcctgttgt	gaacgatctc	ggcggagctc	tgcacgtct	gggctatact	180
acaaatagac	caccctgtgt	actcaccaac	ggcaacgacg	tcaagctcta	cgagacatcg	240
ctcaaggagc	tacctccact	ggtgactccg	ggggggcggtg	ccaatgtttg	gtatatcgac	300
acgcctccag	actcggaag	tccgtgcat	cggaccgtga	gcctggactt	tgtcttccag	360
atcgcgggcg	agatcgagct	tatcctgtcc	tctggtgaaa	cgcgcatctt	caagcccggg	420
gacttgacta	ttcagcgatc	tactctgcac	taa			453

<210> 6489

<211> 723

<212> DNA

<213> A.fumigatus

<400> 6489

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gaccgtgttg	tgctcgggta	cacgcgcaac	aacgcgggtg	gtctcaagga	tgccatcgat	120
ttcttgatct	cccggttgt	cgcccatggc	cttgatgcca	ccacgggtcaa	gggtgcatc	180
ccgcgcccc	agtccgactc	gtttgaagag	tccctccgt	tcttcgactc	gaaactattg	240
cagcatgctc	ccgcgcccc	tggtaccgac	tccccaccc	ggcccagctt	ccccgatgag	300
acgagcgagc	gaggatcgat	tttcgagagg	cttcggaagc	ccggcagcat	ctcctcggtt	360
tcttctttca	ttggctcgtaa	gaaccattcg	gcttctcccg	gttcgttctt	taaacacgca	420
tccagcaacg	cgtcaaaggc	ctctcttgtt	tccatggagt	cccagacag	tggtaccgc	480
aaccatgga	atgactcggg	tgtgaatctg	ccggaggacg	acttacctgt	ccttggcagt	540
tcccacagcc	acagcaacag	cacaaacggt	tggccagcac	gttttgatac	caaatttccg	600
ttcgggtaccg	cgccggggcga	catgactccc	aagcatgatc	cccgcgcac	ttttgatagt	660
ggctgtccta	gtacttccaa	ttctacttct	ggatacccg	ctcctattgg	gccaccgcgt	720
taa						723

<210> 6490

<211> 186

<212> DNA

<213> A.fumigatus

<400> 6490

aagaagctca	attaccacgt	cttcttccgc	gcctgtgaag	ataagtttgt	tattctggga	60
cagtctgaat	ccggaatgtg	cttgaaggag	caggcttcgg	gcacgccttg	ggtctgcac	120
aacgatgata	tcaatgtcct	gagtcaaatt	agctgtaaga	ctcatttgag	ggttgacaag	180
gcatag						186

<210> 6491

<211> 1785

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (38)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6491

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tcactcttta	catctttgaa	ggacattttc	gagtcgctcg	ttgggagtc	gtcccgcatc	180
ggcattatac	gtccgcaaca	gttcttggag	gtcctcaggc	gagaccacga	aatgttcagg	240
acggccatgc	atcaagatgc	acatgaattt	ctgaatctat	tactcaacga	agttgtcgct	300
aacgtcgaag	ccgaggcttc	caaacagcct	cctatagaaa	aaagccttcc	tgcgccagag	360
actgtgact	ccgtagatca	atcgctcgag	accggctcga	agactcccaa	tactactcgc	420
tgggttcacg	aactatttga	aggtctcttg	acctcagaaa	cgagtgccct	tacatgcgaa	480
aaggtatctc	agcgtgacga	agtgtttttg	gacctttccg	tggatctgga	gcaacattca	540
tcagtcacat	cttgcttaag	gaaattttcc	gcccaggaga	tgctctgtga	acgaaataaa	600
ttccactgtg	acaactgtgg	tggtcttcaa	gaggctgaaa	agaggatgaa	aatcaagcgc	660
ttgcccgcga	tcctagcatt	acacctcaaa	cggttcaaat	acacagagga	ccttcagaga	720
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ggtgggcat	atcacggaca	ctatgttgcg	atcatcaaaa	ctgaagatcg	aggatggctg	900
cttttcgatg	acgagatggg	cgagccgggt	gacaagaact	atgtcaaaaa	cttttttggc	960
gataagccgg	gtctagcatg	tgcttatgtt	ctcttctacc	aggaaactac	ccttgaggct	1020
gtcttgaagg	aacaggaaca	ggagaatatg	gactcgaatc	tggcggctac	cgacgcaaat	1080
gacactatct	tgaagcagaa	cggtttccct	cagtcgcctt	tggccacgt	gcacagcgct	1140
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gcgccctcagc	tttctactca	ccacgagcat	ggagaccccg	agagcgctcc	tttcagtcgc	1260
ctttctccgc	tctctccgct	ttctcagacc	cctcctgtcc	ctcccgttcc	ggagagagtc	1320
accacagttg	caacccccacc	aaagaatgat	gcgctggcca	agaagggaacg	ggcccgggaa	1380
gaaaaggaac	gaaaagcggc	tgagaaggaa	agagaaaagg	ctgaaaagct	gcgcccgaag	1440
gaacaggaag	caagaatgaa	ggagaaccaa	cgccgtgagg	aagccgagct	aaaagccgcg	1500
ctagaaatga	gcaaagcgtc	caaggccgag	gaagaccgtc	gccttagcca	tgaaaacggc	1560
aaggagaaac	aaggtggtag	tctgagccga	ttgaaacggg	gcagcaaaaag	cttgagtcac	1620
aggctcggca	aggacaaaga	gacgcggagt	gtgtcgtcgg	atctaccgcc	tgtacctatc	1680
ccggagcatt	caaccctttc	gcagactggc	ccaacatcag	agcaacaaca	gcaacaacaa	1740
caacaacaac	aacatcttca	cccaggcctg	gaaggacaac	gctag		1785

<210> 6492

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6492

gctttcgtca	actgtatcca	gaaggggaag	attactgaca	cactgcagag	gagagttccc	60
gagagcctgt	acccggttgc	atttgatata	tggggccact	cgcatacgat	atggcatgtc	120

tttgtgacgt tttccatagg tgctcatgtc atgggactgc tgcattggtct ggagtacagc 180
tatagtcaag cagagtgtcg atga 204

<210> 6493

<211> 609

<212> DNA

<213> A.fumigatus

<400> 6493

cagcttcttc	cagggacaaa	gaacagcaaa	atgggtcttca	atgggctgct	ccgtttccgg	60
atcattcgct	ctaaacaggt	caaggagatc	gccctgggcg	gaggacatga	tcaatcgag	120
cctgtcgaga	aacagactct	cctcaccatc	aagcagcttc	caccatggta	cgaccccaac	180
ccgttcattc	tttcggggta	ccgtcccag	acccgctcct	actaccgttg	cttcgccagt	240
tggctatact	gccacaacga	aactggaaac	atctactcgc	atttgattcc	aggcatcttg	300
ttgctttcgt	cccaggggcat	cctgtacgag	tacattcgca	caaagcatga	gaacctctcc	360
aacttcgact	ggtccatcgt	ctcactgcaa	cttgtcacag	cctcaatatg	tctcctgaca	420
tcgacgacgt	accacactct	gctgaaccac	tctgcagccg	tcgcgcaccg	ctggctccag	480
ctcgactata	ttgggatcat	tgcgctcatt	ctgggcaatt	ttatcagcgg	actgcatttc	540
gggttctatt	gtaaccgcga	gctgaaacat	ttctactggg	cgcttgtcag	taccctgctc	600
gtagtataa						609

<210> 6494

<211> 285

<212> DNA

<213> A.fumigatus

<400> 6494

tatggatgcc	tgcagatcct	ggccttcagt	tctgcaaccg	ccgtggccct	cctcagtcctg	60
cagttcaggg	gtctcgagtg	gcgctcgttc	cgctggcca	gcttcgtctg	caccgggtctc	120
tcggcgcttg	cgccaatcgg	ccatgcgtgc	atgctttggg	gcgtgcctga	tctctggaag	180
atagggcgtga	agtattacct	gcttgaagg	gtatgtctga	tcctcggctg	ctacttttgg	240
gaggtaggct	ttcgtcaact	gtatccagaa	ggggaagatt	actga		285

<210> 6495

<211> 501

<212> DNA

<213> A.fumigatus

<400> 6495

gaatcatcca	agtcggctcg	acctactact	ggatcggtga	aaacaagctc	aacggaagcg	60
cgtttcagtc	gatcaactgt	tactccagcg	aggtacgtgc	atacctatag	gagtcctccg	120
gccaagggtta	acttcctaca	gaatttggtg	gaatggactt	atgtaggaga	actgctctct	180
cgacagagta	gcggggatct	cgggcccaac	cggttggtcg	agcgacccaa	ggtcctttac	240
aacgaggcca	cccgcgaata	cgtgatgtgg	atgcatatcg	acgacagttc	ctataaggag	300
gcgaagaccg	gtgttgccac	gtcgtccagt	gtgtgcggaa	agtatactta	cctgtacgtc	360
tggctctttg	attgtgcac	agcagtcac	aatctaacgc	ggtggctagc	gggtcgtttc	420
agcctttggg	gcagcagtcg	cgcgatatgg	gtttgttcaa	ggatgatgac	gggtccgcgt	480
atctactcac	ggaggatgta	g				501

<210> 6496

<211> 258

<212> DNA

<213> A.fumigatus

<400> 6496

ccccgcttgg	ctgtatatat	accaatggtc	aatgacttgc	aggatgggac	cgcgttgtct	60
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tgcattcattg	tcgaaggatc	tctggcagag	tacggtttca	taatgttgct	catcagccgt	120
ctgggtcgctg	ctctggctct	tgcagggaca	gccatcgctt	cgctgcagat	tgtagctct	180
caaagtcctg	acgtgggata	tattgcta	atgactggac	tagattccc	gagggacatg	240
gactgcgagt	ggtaactaa					258

<210> 6497

<211> 564

<212> DNA

<213> A.fumigatus

<400> 6497

agccaataca	ccatggcgca	cacccacgcc	agctccaaga	agcggcggcg	cgagccagtc	60
accatcgaca	ccaaactcgt	cgagatctac	gaggacctcg	cgaatgagaa	ggacgagatc	120
cggctaaagg	cagcgcaggc	tcttgtgtcg	cagtttacgc	cggacaagaa	gcctacggat	180
gagcagatgc	gaaaggcgct	gcagagactt	ttccgcgggc	tttgcagtag	ccgcaaggcc	240
gcgaggattg	gcttctcgat	tgcgttgact	gagattctgg	cgagattttt	tgcggcacag	300
cgagaagagt	cggagatcac	gatcccagcg	gttgtgggta	tctgggaggc	gcagtcta	360
gcgtcgggga	gcgagacggg	acaggtaaag	ctgggtttga	attctgcgtg	tttgaact	420
gctttgtcga	cagttgtctc	aggaacaaag	agatcaccac	tttggccggc	tggttgagc	480
ggaagctctt	gtcaagtcgt	ctattctgtt	caaggcgcg	gtgcccccg	cagagtggac	540
caagcttttg	gatttggtgt	ttga				564

<210> 6498

<211> 402

<212> DNA

<213> A.fumigatus

<400> 6498

cagttgtctc	aggaacaaag	agatcaccac	tttggccggc	tggttgagc	ggaagctctt	60
gtcaagtcgt	ctattctgtt	caaggcgcg	gtgcccccg	cagagtggac	caagcttttg	120
gatttggtgt	ttgatctcgc	gaagaagaag	ccgtggatta	gagaggactg	cggatggatt	180
atctaccgct	gcgtctttga	tcttgcttcg	caaaaggcgg	gtgcgaagta	tgtggagatc	240
gcactggagc	ggctctgtgc	gaacgatctc	gctcgtacgc	cggaaggagt	ctcgatctgg	300
ctggcggccc	aggaagcata	ccccatagct	gagttccctg	gccaagtctg	ggaacatgat	360
gaccctgttg	attccccggg	agaggaaccc	tcttgggcct	ag		402

<210> 6499

<211> 648

<212> DNA

<213> A.fumigatus

<400> 6499

gatgtgacca	attctgcaga	caagacaggg	attgagcttg	catatgtcat	tatgggcagc	60
atcggaaca	atatcgacgc	catccagagg	gatttggacg	aggttgtcga	tgccaccaag	120
gcatacaaga	cttccgacaa	tgattacagt	gcccgcctacg	atttgatggt	caaggccacg	180
cgcctgctgc	agaccatccg	tggccccgtc	gatatgctct	ttgccaat	tgagaacgta	240
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gggtgccctc	cgcaccctgc	tcgaagccgg	cgtcttccac	gctatgccca	cgggcggaca	360
aagcatctcc	gccaaagaca	tatccgcgaa	gactggaatg	gacaaggagc	tgattggtat	420
atctcttctg	tgaccccccg	aaacccccag	aatgagaaaa	agaggccagc	tgacgcgaca	480
gtccgactga	tgcgcgccct	cacccccctc	ggtcccttcc	gcgaaaccgg	cgaggaggaa	540
tacgcccaca	ccccgttctc	cgaatctctc	atggtgccgc	agatgaacgc	catcttcaag	600
gtgctgtacg	tctgctaccc	gctagatctc	acctgggac	gacctga		648

<210> 6500

<211> 453

<212> DNA

<213> A.fumigatus

<400> 6500

cgcgacagtc	cgactgatgc	gcgcacctcac	ccccctcggg	cccttccgcg	aaaccggcga	60
ggaggaatac	gcccacaccc	cgttctccga	aatctacatg	gtgccgcaga	tgaacgccat	120
cttcaagggtg	ctgtacgtct	gctacccgct	agatctcacc	tgggatcgat	cctgatgttt	180
gacagagtcg	acgagtactg	cccgcctatg	ctccgtaacc	acgagttcct	ggccaggaac	240
aactggaaga	acaccatgac	gctgaccgac	aaccctaca	cacacgtaca	caactgcacc	300
gggcagacca	tgttcgatta	catctcgcaa	tttcccagag	ggctgagccg	gctcaacgac	360
gccatgatgg	cgcaagaatc	ggggctcgtc	ttgcacgggtg	tgtacccggt	cacgcaagaa	420
gctggggggc	tctggcccgc	gacaacggaa	tga			453

<210> 6501

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (179)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6501

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caaattgattg	tcattgcgctt	gaaagagaaa	cagaacaaga	ctgtccgagt	gcctcaggat	120
acaattgatca	gcgtgaatct	gacagctctc	tccggaatcg	ttgcagggtg	attgattanc	180
acgagctaa						189

<210> 6502

<211> 231

<212> DNA

<213> A.fumigatus

<400> 6502

gcaactctga	gatctgctgc	tcgtgaaaag	agaggaaaag	gtcgccttcc	cttgactgcg	60
gccagagaaa	atgatcaaat	taccgtcatg	acttcatacc	gaaagacgcg	cggcgaaatg	120
ctcggcccga	ccgccgcgac	aaacacacta	aaccaaata	agccagatgt	caacattgcc	180
caggctaagc	ccagaagccg	gatgctcacc	gcccacaaaca	catctgtatg	a	231

<210> 6503

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6503

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gaggctgaac	ttgctgacat	ggttcatcaa	atcggagaga	agagaatcga	aatgtctctg	120
attctggggg	tgctcaaggc	tgctgttttt	agtgggaagt	atccgtccga	gtataagact	180
gtggacaacg	agcttctggg	tctgggcatt	atgggtgaag	aggagtggga	agcaatgttt	240
gggggggaaa	tgtaa					255

<210> 6504

<211> 918

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (137)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6504

tggaggcaat	cgggcgctca	aaatatacgc	cgatgtgcgt	ggggcgtagc	tgacgtcaag	60
tctacagaat	cttgccatag	cctcgctgaa	tactgtcaaa	cgaagagctg	cggacggccc	120
tacaagcagg	gcactancgg	gatagggata	tactccaacg	cgctcgaaaa	cttcatatct	180
accgaatacg	agattattgc	tcagatcttc	acaggcgacc	agcgagggct	agctctgcaa	240
acgacgttcc	gatctgcgct	ggccgaatac	tcaaaaacct	tgctgtgagct	caacgagtat	300
atcaaggcca	atctgatgac	agactgcttc	ttagcgcttcg	agatcatcga	aattgtcacg	360
gcgatgtctt	accgcggtga	ctcgaggacg	ggcgagctaa	agagcttggt	catagaagct	420
cttcggccag	tctgtgagac	ggcaaagtca	tctctctcgg	agctcctcga	ggaaacaaaa	480
cgcaaagccg	cgagcatccc	tgttcttctt	cctgacggcg	gatcgggtccc	tcttgtgaac	540
gaagtgatga	gctcgctcac	tacattgact	ggttattccg	gaccgttagc	atccatctta	600
acttccttag	gtgacggcaa	ctggcgctcc	acagccaatg	cgtcagggac	tgctccttta	660
gatgtcagtc	cagacagctc	agctttgtta	tcacacttta	tcctggatat	gatcgaagct	720
ctgatgagtt	ctctcgaggc	togaggccga	gcacttcata	gttcaaaagc	cgtgcaaggc	780
ctcttcctgt	ccaatgtctt	atgcattggt	gatcgcgcta	ttcgacaaaag	ccctgagttg	840
gcacgccatt	tgggtacgcc	agacagtatc	gcgcgtatag	acacctttcg	agaagcgggc	900
cacgtccact	tttcttga					918

<210> 6505

<211> 324

<212> DNA

<213> *A. fumigatus*

<400> 6505

acctcgctg	cgggagcccg	accagcttct	ggtggcattg	tcgattccag	cgcaatagtc	60
aagtcgctgt	catccaagga	caaggacgcc	atcaaggaca	agttcaaggc	attcaatgca	120
agcttcgatg	aactgggtcaa	ccgtcacaa	gctctgtaca	tggaacgaga	agtacgcgga	180
gtattggcac	gtgaggtaca	ggccgtttta	gaaccactat	atgcgcgggt	ttgggaccgc	240
taccacgaaa	ttgataaggg	caggggcaag	tatgtcaaat	atgacaaaagg	aagtctctct	300
gcgacgttgg	ctgcattggc	ataa				324

<210> 6506

<211> 957

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (862)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6506

accgtttgct	acttgtacag	aatggctgga	tgtgcgaaga	tccttggtat	aggcgcaggc	60
gagttgggca	accaggtctt	acatgctctt	gctcagcatc	ctaactcgagg	tggcgcaact	120
attgtctgtt	tactacggcc	ctcgagcatc	gcattccacc	atccggacaa	agtcaaggaa	180
ctcgaggaa	tgcgcaatct	gaatgtgcaa	ctgattcctg	gtgacattgc	caaagattcc	240
gaggagcaac	tctcgacat	ctttggtgag	tacggcacaa	tcacgcgctg	taccggcttt	300
gcagctggct	ctggcaccca	gctcaaactt	acgcgtgctg	ttctggcggc	tcaggttccg	360
cgatacgtgc	cctggcaatt	cggagtcgat	tacgatatca	tcggacgggg	atccgcgcaa	420
gatctattcg	atgagcagct	agatgtgagg	gatctactgc	gctcccaaaa	ccggacgaag	480

tgggcatca	tatcgacggg	catgttcacg	agcttcttgt	ttgagccttg	gtttggtgtc	540
gtcgacttca	agggcgatac	cgtaacggcc	cttggaagtc	ttgataccaa	ggtgactgtc	600
acagcaccgg	aagatatcgg	caggattact	gccgaggctg	tgcttggctc	gagagctgac	660
tcggctcttcg	gtgacaagcc	gatctatgtg	gctggagata	ccttgactta	tgagcagctg	720
gggcatgttag	tggagaggat	caccggccgc	aaatttacga	ggcatgtaag	aacagtggag	780
gctgctcggg	ctgaccttgc	aagggaacct	ggcaacacct	tgttcaaata	tcagatcggt	840
tttgggtgaag	ggcgtggtgt	ancatgggat	ttgtcggaga	cgtggaactg	tcaggtcggg	900
atccgtgctc	tgactgcaga	agaatggggc	cgacgaaatc	tcgagaatat	catgtag	957

<210> 6507

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 6507

agctgctgct	tccgtcacca	gttccacctc	gtcccttttc	ttccctcccg	cctcctcccc	60
aaactccgc	gaccgatccg	acaatatcga	ccactcagac	taaggctctga	gattgcgaga	120
agatatgaag	aaagactaaa	ggcaaggccg	acgattgttg	agcgctcgtc	cttcatagcg	180
ctcttcgttt	cgcccttcac	cctgtctcac	ctgaaatctc	cgcacgaggc	tccaacttat	240
ccagccctcc	cagcttcggc	tgtactcacg	agaatgctca	tcccgctccg	ctaccgtcgt	300
cgcatactc	tgatctctgc	ggtgctcgga	ctgttcctta	tataccactt	catttcaatc	360
agaccgaatc	tccgcgcacc	gttgctcgacc	gtccgcagca	acttacaaca	gcaacgacaa	420
caaccaaaac	agaagccgga	caccatttcc	gactgtcctc	tccttcccg	catcgaagat	480
gttctggtga	ttatgaagac	cggcgtgacc	gaagcgcttg	acaaagtccc	cgtgcacttc	540
gagaccaccc	tgcgctgcat	ccccaaactac	gtgatcttct	ccgactttga	ggaagaaatc	600
gcggtgtg	gcatacacga	tgcccttacgc	aacatggacc	ctgaggtgaa	acgcacagtt	660
cccgactttg	acctctacaa	tcgattgcag	aagctcggca	gaaaggtct	gggaacgcag	720
gacttcgcgc	acgaggccaa	ctcagccatt	gggaaaccga	acaaccagg	ctggaaactg	780
gacaagtgga	aattcctccc	catggttcag	gagacactac	gccacaagaa	tgacgcaaag	840
tggtacgtct	tcatggaagc	cgatacctac	ttcgctggc	ccacgctgct	ggaatggctg	900
tcaaactacg	acccccagaa	gccgctctat	atcggcaccg	aaaccagat	cgcggaactc	960
atcttcgcgc	acggcggatc	cggcttcctc	atctcccgac	ctgccctgca	gctcgcagcg	1020
gacgagtacg	cagcccgcag	agtcgagctc	gacatgttca	ccgacgagca	ctgggcccgc	1080
gactgcgtcc	tcggaaagg	cctgctggat	gccggggctc	cactgacgta	ttcctggcct	1140
attctgcaga	actcgaacat	ccgcgagctc	gaccccttta	cagcaggctt	ctaccgccag	1200
ccttgggtgt	tcctaccgt	cgccttccat	cacctctcct	cacaggacat	ccggaacctg	1260
tgggaattcg	agcagcgacg	aaggaaggta	agatcatcct	cggccttgca	atgctcaaaa	1320
catacatgtg	aacaattgat	taacgggttt	tctagtccgc	caaacacc		1368

<210> 6508

<211> 477

<212> DNA

<213> A.fumigatus

<400> 6508

aacgcacagt	ccccgacttt	gacctctaca	atcgattgca	gaagctcggc	agaaagggtc	60
tgggaacgca	ggacttcgcc	gacgaggcca	actcagccat	tgggaaaccg	aacaaccag	120
gctggaaact	ggacaagtgg	aaattcctcc	ccatggttca	ggagacacta	cgccacaaga	180
atgacgcaaa	gtggtacgtc	ttcatggaag	ccgataccta	cttcgcctgg	cccacgctgc	240
tggaatggct	gtcaaactac	gacccccaga	agccgctcta	tatcggcacc	gaaaccacga	300
tcgcggaagt	catcttcgcg	cacggcggat	cgggcttcat	catctcccga	cctgccctgc	360
agctcgcagc	ggacgagtac	gcagcccgc	gagtcgagct	cgacatgttc	accgacgagc	420
actgggcggg	cgactgcgtc	ctcggaagg	tcctgctgga	tgccgggggtc	ccactga	477

<210> 6509

<211> 192

<212> DNA

<213> A.fumigatus

<400> 6509

gacaggggtga	agggcgaaac	gaagagcgct	atgaaggacg	agcgctcaac	aatcgtcggc	60
cttgccttta	gtctttcttc	atatcttctc	gcaatctcag	accttagtct	gagtggtcga	120
tattgtcggg	tcggtcgcgg	gagtttgggg	aggagggcga	ggggaagaaa	agggacgagg	180
tggaactggt	ga					192

<210> 6510

<211> 360

<212> DNA

<213> A.fumigatus

<400> 6510

cttattcttg	cagagtatga	tgatgatacc	acaatcattc	cccgttccac	ttctgttata	60
gctcggaggt	tgctgcctc	tcggcctggc	aaaggcggcg	ctgctcgta	tgtatctggg	120
aaaatgcccg	ttagcgctcg	cgggtgcgct	cgtaatgatg	ctacaatgtc	gacccgagct	180
atatcaaata	ctagcagcac	agtgagcaac	agcgttttag	agctcaataa	cgcgagaca	240
gaggaggaga	agattaatgc	tcttttcaac	ctgcaagcaa	gccaatggaa	agagcaacaa	300
caggagatgg	caaagtatgc	atatacctgt	tacatgtgga	tgtactggat	gtactgctaa	360

<210> 6511

<211> 522

<212> DNA

<213> A.fumigatus

<400> 6511

ttacattcac	aaactcactt	gctggacgcg	caattcaata	caatgtcatc	ctctgttcac	60
ttcaagttca	agtctcaaaa	agagccttca	agggttaactt	tcgacgggac	cggatattct	120
gtttttgaat	tgaaacgtga	aatcatcaat	cagagtagat	tgggcgatgg	gtcggatttt	180
gaattgtcta	tttacaatga	ggatacaggc	gaaggtaagc	tctgcggttt	tgttcttatt	240
acttttcttc	gggctggtgt	ttcgaggaag	aaaccagaaa	actccgaaaa	aggaaaacca	300
gaaagcgtca	tcgttgactt	attcttgcag	agtatgatga	tgataccaca	atcattcccc	360
gttccacttc	tggtatcgct	cggaggttgc	ctgcctctcg	gcctggcaaa	ggcggcgctg	420
ctcgttatgt	atctgggaaa	atgcccgta	gcgctcgcg	tgcgcctcgt	aatgatgcta	480
caatgtcgac	ccgagctata	tcaaatacta	gcagcacagt	ga		522

<210> 6512

<211> 405

<212> DNA

<213> A.fumigatus

<400> 6512

cccattactc	cactacccat	ggacgctaca	atgccaccga	tgagtgcacc	tccaacaagc	60
tgccctgcac	ttgataatat	gtttatcagg	gcctgtccag	atgccctgtg	ttcgggggga	120
gttttcagata	gcattatgta	cctgaggggt	gcccctatga	cggttatgag	tccgagggcc	180
atgagcacct	cagcaagtat	gaagagaggg	gtggttgatg	agaggagggc	catgatggta	240
cacccaacca	tcaggataag	gctccctgag	atcatcacta	cccttgaacc	aacctgttcc	300
agcagaacac	ccacaatggg	ggccgagagg	gccatggtgg	tgacgaaggg	gaggaggctg	360
aaactggcca	tggactctga	cagtgaaggg	gcgaggaggg	cgtag		405

<210> 6513

<211> 402

<212> DNA

<213> A.fumigatus

<400> 6513

ctgggtatga	atacgattgc	agcctgggat	aggccattac	cagcagagat	tgcggttgca	60
atgcggacct	cacggctggc	cagcaggtca	acctgcacca	cgggatcggg	tgcagccctt	120
tcaacctccc	aaagtatggg	tgtgagtgcc	gctgcccaga	tgagaagtac	cactacaatg	180
gggctcatca	aactccctgt	gaggtcagtg	gtatcgatct	ggtttatccc	cactgcaagg	240
gaggcccaca	atgatggcaa	aaaaagggtc	cctctggcat	caaaatcacc	atcctccgtt	300
ttggctgtaa	ctggcaacat	aaagaaatcc	cccgacaact	atcgtggccg	catttgggat	360
gttgatgagg	aagagccact	gcccaccata	ggggaagttt	ga		402

<210> 6514

<211> 855

<212> DNA

<213> A.fumigatus

<400> 6514

ttgtcggggg	atttctttat	gttgccagtt	acagccaaaa	cggaggatgg	tgattttgat	60
gccagaggga	cccttttttt	gccatcattg	tgggcctccc	ttgcagtggg	gataaaccag	120
atcgatacca	ctgacctcac	agggagtgtg	atgagcccca	ttgtagtggg	acttctcatc	180
tgggcagcgg	cactcacacc	catacttttg	aggggtgaaa	gggctgcacc	cgatcccgtg	240
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aatggcctat	cccaggctgc	aatcgatttc	ataccagct	acgccctcct	cgccctttca	360
ctgtcagagt	ccatggccag	tttcagcctc	ctcccttcg	tcaccaccat	ggccctctcg	420
gccccattg	tgggtgttct	gctggacagg	gttggttcaa	gggtagtgat	gatctcaggg	480
agccttatcc	tgatggttgg	gtgtaccatc	atggccctcc	tctcatcaac	caccctctc	540
ttcatacttg	ctgagggtgct	catggccctc	ggactcataa	ccgtcatagg	ggcaccctc	600
aggtacataa	tgctatctga	aactcccccc	gaacacaggg	catctggaca	ggccctgata	660
aacatattat	caagtgcagg	gcagcttggt	ggaggtgcac	tcatcggtgg	cattgtagcg	720
tccatgggta	gtggagtaat	gggttacagg	ttctcattcc	tcttccttgt	tgcagttgca	780
ttcacactct	tcctgctatc	aaccggtctc	aagggaagaa	aggaacagct	tgagacaatg	840
aagaggcaca	tttaa					855

<210> 6515

<211> 1455

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1334)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6515

tttggttaacc	ttggtagcga	gggggctgcg	aaacccaaaa	aagcacagga	taacttgaag	60
acgaacacgt	tctgcgtccc	tgacgacgat	gatgagggtga	ttgagatcgt	cgacgaggcc	120
cctataaaatc	ctgaatcgac	tgggtcttat	gtgcccgaag	accagacac	ttcctcggac	180
tccgaacatc	accagtctgc	tgggaactca	actcccgtga	cttcgcctct	gaacaaggat	240
gtttctgtag	aatcgggtga	gaacaaatcc	tctgcacct	tcagtgaagt	tcaaagtcac	300
gtggccagat	cgcagcaaag	tccggttgat	cttgagggaag	agaacaatga	gcaccgcctt	360
gtaactccgc	ggatgacccc	accgtctgtc	gaggatactt	acgaagggtc	ctacaccggt	420
atagctgatg	atatgggtga	catcgattat	gctccagatc	atgaaccgc	acctactggt	480
tacagccgag	gggactcgac	cactggatcc	gatgggtggg	aggaaagtga	agagcaagac	540
gagtctgacg	atgatttaat	gcctcattca	tctctcagtg	ttgacaccga	tgagttcggt	600
agagaggccg	atgctatggc	atccaataat	ccttcgactt	cagtgattta	tgagtcgcta	660
gtggctgtgg	ataacggagc	ccggtcggaa	gaggaggaaa	gatcgcaacc	cactcaaaac	720
gatgcacctt	gctcgaaagc	ggtcaccagt	ggcgagcgtg	tttgtctcca	gaccgctgct	780

ccgaacctga	acaactggaa	atccacggcg	agggagaatt	ctaccgagtc	gtctcccctc	840
aagttcggct	ggtcgtccat	cccacggccc	gtcagagtct	ccaatctggg	gtcccgggtc	900
agcgggaagat	coctcgatca	ctcacttgcc	tgtttccata	acaccacgtc	gtcaacaagc	960
ggggacaaat	gttggccgaa	ctttggccat	catcgtatca	accctctacc	gcaaagggaa	1020
agcaatggca	atgctatata	gcaaaatcac	cgcacaccgg	atgctcctta	tagtgatggg	1080
ccattcgtca	acagtcacac	acataccgct	ttcgatgaat	ctgacaaggg	gaatacagtt	1140
cactctgccg	cttccactaa	catcagtcag	tcaagtcgag	agcaacaccc	caatgaagag	1200
agtgtcgaga	cttgggacga	cagcagccgc	gtggaattgc	aatcaaagaa	tcattcagta	1260
tcattctatgg	ccggatcagg	agttacgcgg	gactccaata	cacgccactc	tatggctgac	1320
attggtgata	cttncgaatg	gacagctaca	tctggcttca	agctgtcgcg	gaagaggaag	1380
gttctgaca	tgggaattgga	cgcggaagaa	cttgtccagg	ccttacgggc	aacttcccga	1440
tgttaactgcc	aatga					1455

<210> 6516

<211> 732

<212> DNA

<213> A.fumigatus

<400> 6516

ctgactgcgg	gaacaaaggg	gttacttcac	ctagaagtcg	ctttcgagaa	tgggctgtgc	60
aagattcgtc	cgacatggca	ctccgagaat	atggtgccgt	ttacagtgcg	gcgatacgcc	120
aggaccctca	tcgacacggg	taggctgtgc	atttccaatt	gcgatgccgc	catccaagac	180
tgccttcggc	ctaccgcata	cgatctcgac	gagatatggc	gctggaacca	caacctgcct	240
cccacgtaca	atttctgcat	gcacgaaata	atctccgacc	aggctcagaa	gttccccgac	300
aaggaagcaa	tcgcatcctg	ggacggcagc	ctgacttaca	gacagattga	tcagtattca	360
tcattcgtcg	cgcgctcact	tataggcatg	ggagttgggc	tgcattgatg	cttaccagtc	420
tgctttgaga	aatcccgatg	gacgattgtc	gogggttctg	ccgtaatgaa	agctggcgcg	480
acgtttgtac	taatggaccc	gacgcttcca	cttgacgat	tgcagaacat	ggcccagcag	540
gtcggcgcg	agatgatggg	ttcatctcgg	ggccagtaca	acctggcgac	ggagatcata	600
cccaatgcaa	acgtgctcgt	cgtggaggaa	aacacgttca	gcagtctgtc	cgccgaacag	660
aacggcgagc	ccctgccaac	ggttgtcttc	accacggggc	tgggaaggatc	cgaggctggg	720
gctatcccaa	gg					732

<210> 6517

<211> 1617

<212> DNA

<213> A.fumigatus

<400> 6517

aacttggaag	ccgcctgtgg	gctcctgcag	cacgtccttg	gctggaagag	cctcttggcg	60
ggaataacta	ctttagccct	cctcatgctt	ctgaatcatg	cctgtatggc	tagatatact	120
ctggcaggga	aaaatctgat	ggcctgtcgt	gaccgcaaaa	tcacgccttt	gacggaggcc	180
cttcgtggta	tacgacagat	taagttctct	gcggccgagg	ataggtggga	agaacagctg	240
aaccaactca	gggatgcaga	attgcttgcc	caggcgacca	gctttcgggtg	gaatgtgaca	300
tgtttctccc	tttgggttct	ggccccgatc	cttctatcgg	tagcatctct	ctccgtctac	360
actatcagcc	atggagagct	tacggcatct	gttgccctta	ccgcgatttc	tgctcttact	420
togatcgaga	atgctttgtc	tactcttcca	gagctgatta	caaacgcaac	ggatgccttg	480
atcagcatga	agcgcattgc	taactttctg	gacgcccctg	aaagaaactc	ctctacagta	540
ctactatcgc	ccagcatccg	cttcgacaat	gccacagtcg	cctggccaga	tagtactcaa	600
accagcgatg	tttcgccagg	aacacgcttt	gtgctgcgga	acttgactgt	ccactttcct	660
gaacatggat	tgagccttgt	gtgtggccga	acgggctctg	gcaaaaagctt	gttgctttct	720
gcgataactg	gcgaatgcga	aattctggaa	ggatatagca	aaaggccatc	aattagaagc	780
atgtacaagg	gtcctggacc	cggagaagat	tggataatag	actctgccac	agcttatggt	840
gctcagactc	cgtgggtaga	agcagctacg	atccgccaga	acatcttggt	cggaatgccg	900
ttcaatgggg	aacggtataa	aaaagttctc	ttcgcagtgt	ctttagtcgg	agatctgcaa	960
atgctggaag	gtgggtgacct	cactgaagtc	ggacccaatg	gagtgaatct	gagtggcggc	1020

cagaaagcac	gcattctctct	agctcgtgct	ctttacagcc	gcgcgggcat	cataatcatg	1080
gacgacatct	tcagtgcagt	tgatgttcac	accgcgcaac	atctgtatga	gcattgctcta	1140
accggcgcaac	ttgcaactcg	ccgcactagg	atcctcgtca	cgcattcatgt	gcgactctgt	1200
ctaccgcggg	tggactacgt	ggcctattta	gacagcggga	atctcatatt	cgctgcattct	1260
ttgactcaga	tgcgacacag	cagcgtactc	gaggagcttc	tccgcagtca	gttcgacgtg	1320
gataatacag	cagctgtgta	tgagattccc	gaagcatcgg	cgtcccagga	ccgtttggca	1380
tgtttcaacg	aaagatgtca	aagctgcccg	gcagatcttc	ggttagcaca	gcattccaatt	1440
gtttctaaac	gtccgagaaa	tttcatcgag	gaggaatccc	ttgaaaagg	ggcattcccc	1500
ttgagcgtct	ttcgtcgata	catccagaaa	tgccggcgac	tgccggcatg	ggtcgtgctg	1560
gctctctgct	ttgccacata	tactggcctg	gcgctcggaa	aagtaagctt	cccctga	1617

<210> 6518

<211> 1020

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (135), (148)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6518

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aaccaggttc	aattngaata	catgcttnta	tgctgcggaa	cgtacggatt	ccggcccagt	180
gcattctgta	tcccaaacgg	tggcggacgc	agctgtagta	cccccggaat	gaagttcatc	240
ctgtcctgtg	cagggccgct	agctctggat	atggatgcag	ttgaggtctt	tttgaagaca	300
gtcatcgatg	cgagaccggg	cctgtacgat	tcctcgggtca	tcgatggacc	ctggagacag	360
gcgacgggtca	aacatccctt	gcgaattggc	gtcgtgcctc	cagactatag	cttccctttg	420
caccctccgg	tgaaaaggac	cttagcgaag	gccgtcaagt	tattgaaagc	tcaaggccat	480
catatcatcg	agttgtcagc	cgaggaatgt	aaggtaatgg	agatcaacga	ggtcgcattg	540
aatatcttta	ctctcgacag	tggagccatg	gaacacttac	aagcggccgg	cgagccaccg	600
gtgctgctc	tccttaacgt	ccagcgtcag	gtagagatac	tgaggcaggc	ggggaaaact	660
tacctacctg	atttcagcca	tttagaccga	ctaggaagac	tcgctgctct	gaacaccaag	720
cgagccgatc	ttcgagagac	ctggaggaag	atgtggatca	gccacgatct	ggatatttgt	780
ctcgcgccat	cagctcaaaa	cacggctgtt	ccgcacgata	tggtttgggt	tgcaccgtac	840
acgactttcc	tgaactgtct	tgacgtaagc	tgtctctttt	gtcgtttgaa	aatttcgtct	900
aacgatgtc	agtatccttc	atgcattatc	cccttcggac	gggtcaacga	gatggatgct	960
cgggagactt	ttgagcttgc	tccgggtcag	gctggaccga	gctgtaagta	cttttgctga	1020

<210> 6519

<211> 366

<212> DNA

<213> A.fumigatus

<400> 6519

agacagactc	ggcccctata	ccaggcttgt	cggattatac	aaatggactc	ccaaaactcc	60
atatccggct	ggcagcacia	agtcgcccaa	aaacagcagg	aatgcctgca	gaagatcccc	120
gctgagtggg	agatcccggg	aagctctctc	tcttccctcc	agctaccact	agccgagaa	180
agaaatgacc	tgattcaagg	agacgctgtt	cgaaaagctg	gtatcctaac	cgagcgagaa	240
ctgcaaatca	cagagcaata	caccgtgtct	ggccttctgt	cagcattggc	agatgggcca	300
ctgacctcgc	ttgaagtgc	attggcattc	tccaagcgag	ctgcagtggc	gcagcaattg	360
gtatga						366

<210> 6520

<211> 324

<212> DNA

<213> A.fumigatus

<400> 6520

gtaaaactgcc	tcacagagac	catgttcccc	gaagcccaag	agcgagccaa	atatttagac	60
gaactcaagg	tgcaaggcaa	atccgcagga	ccgttgcatg	gcttgccgat	cagcatcaaa	120
gaccttttcc	acgtcaaggg	aacgcacg	tcgattggca	tgatctcctt	tctggatgag	180
aaatcgaccg	acaactcgcc	tttgatcgat	attctgctga	gcctgggagc	tggtatctat	240
gtcaagacga	atattcccca	aacaatgatg	gtacgtcttc	gtactagtct	cggatgtatg	300
atcactaacc	atttcctacc	gtag				324

<210> 6521

<211> 1458

<212> DNA

<213> A.fumigatus

<400> 6521

aattttatcc	tagtcagcct	acttcacga	catcttctcg	ttatgccgct	gactatcctc	60
tccaagcgc	agctccgctc	gctgctgctg	tccctaaacc	gggatgaggt	gtcctcacta	120
cagcaaagcc	tcgcccaggc	cctactagac	tattcaaccg	gaagccagga	acagggttgt	180
gccgtactct	accaacctct	acggaccgct	atcaccgcgc	agaatggctg	cacgacactg	240
tttatgcccg	ccagtaccgg	ccgaacgac	ggcatgaaga	tgatctctct	acaagacggg	300
ggtgctgcag	ggtgtgctgt	ggaaggagct	tttgaaattc	ccgagggaac	aaagactgct	360
tcaaggtcgc	ggtcggcagg	cccaaggcgc	tccatgacgt	ccctgtcgtc	tgaaatgagt	420
gatctgtcta	tatcatcaca	ggaagaagga	tcgtcgagtt	catctagcag	ccgatcgctc	480
aggtctgaca	ctgtgaatcg	acaatcgggt	ggctcgagct	ccagctcggg	catctccaag	540
acactcggtg	catggcccgc	agccggtact	cgagacacct	cgccgcaggg	cactgtgacg	600
ttgctggacg	ccgacagtat	gccattcggg	ctgatcaatg	ctcatgaact	cacaccgttc	660
cggacggctc	tgggccacgat	gatgattttc	aacaagcgca	agagagtgcg	cactgtagtg	720
gttttcgggg	cgggtaagca	ggcttactgg	cacattcggg	tggtctctac	gttgctgtcg	780
gcggatatta	agcgggtcgt	tatcgtcaat	cggctcgttg	agcgggcagc	catgcttctc	840
aaagatatat	actcgactga	aaactccagc	tgggcgggtg	atgtgaaatt	ctccgctgtc	900
agtactgatt	tcggcgagta	cgaccgtatc	atccaggatg	ccatccataa	atcggacgca	960
atcttttgc	gtactccgtc	catcgagcca	ctttttcccg	ccgagcttct	cacctccgc	1020
gaaggtcgcc	aaaagggccg	attcatcagc	gccattgggt	cgtacagacc	tcatatggcc	1080
gagctgcac	cagacattct	gcgcgacgag	gtgaacgcgc	accattccgg	tcgacatttc	1140
cacaaacaca	tcaaacgtag	tggagtctgt	gtagtgcaca	gtctcgaagc	tgctctgaag	1200
gaggccggag	aattgatcca	ggcggggatc	aagccgaacc	aggttgtcga	gctgggagag	1260
ctgctgatgg	tacgggacgc	ttcgcgaaag	gacaacaacc	aggacgtgga	agacaccaag	1320
agtctgcgcg	agtgggttga	acgaggcaat	gtcatctaca	agagcgtcgg	catgggcttg	1380
atggacttgg	tgaccggagg	cgacctcatc	cagatggctc	ggacaagaaa	tttggaacc	1440
agcgtggagg	acttttag					1458

<210> 6522

<211> 585

<212> DNA

<213> A.fumigatus

<400> 6522

aagatacgtc	cttcgtgccg	cttgttgaaa	acacatctgg	atgctcttgc	tctgaacttt	60
gcgcgctctc	tcaaagatct	aaaaccacta	aagtacgcct	ttgcagtggc	agaagcaa	120
ggattccaac	tctttctctc	ttttgattat	gtgggtgctg	gcccctttga	caaagccact	180
gtgatcacga	tcattaacga	gttcaaactc	tcgtctgcgt	attataccta	caaaggaaag	240
ccgtttgtgt	cgaccttcga	gggtcctggg	aacgcagcgg	actggaaaga	catcaaagca	300
gagactggat	gcttcttcat	tccctcatgg	tcctcccttg	gggctaagga	ggctctgaag	360
ctgggcaccc	cagatgggct	cttcagttgg	gcagcctggc	catgggacaa	tcaagacatg	420

gatacgtacg	ttgatgcac	ctacctcgac	tatctgggac	aggctggagg	caaggagtat	480
atgatgccag	tctccccatg	gttctacacg	aaccttcccg	gatatgaaaa	gaattgttta	540
tggcgaggta	atgtctcccg	gagagcaaaa	caaacagaga	aatga		585

<210> 6523

<211> 765

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (662)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6523

tcaattgaat	atctaggcga	cgacctctgg	cgagaccgct	gggaagaagt	tatggtggtg	60
caacccgatt	tcttcagat	catcagctgg	aacgattatg	gggaatcgca	ttacatcggg	120
cccctgtaca	acattgataa	atatgaggcg	tttagtgtgg	gcgaggcgcc	tgtcaactat	180
gcacacggca	tgccacacga	tggctggcgt	ctcttcttgc	cctactacat	cgacatctat	240
aagaatggga	aggcatctat	cacgaaagaa	ggagtgggtg	gctggtaccg	cccgaatcct	300
tcttcagaat	gcaacgatgg	tggtagcgca	gccatcacgg	ccagtcaatt	gcaatatgag	360
tttcggcctg	cagaggttgt	ccaggataag	atcttctatt	cagcactgct	gacctccatg	420
gccactgtta	ccgtcactgt	cgggggcggtg	tctatttctg	ctacctggca	ggatatcccg	480
gacggaggcg	tgggtgtgta	ccacggcagc	gttgggtatg	gtactttcta	tggcgatgtg	540
aagatctcca	tttcgcgcgc	acgaagtact	attgccaaat	ttagcagtgc	tgccattacc	600
acgagctgca	cagacggcta	cgccaactgg	aatgccgttg	ttggcagtgc	aaaaggcccc	660
ancatctccg	ctgtttcccc	caagcttgct	atcgacaaat	caggctgcat	tgaaggcaca	720
acaccaagca	acttcgaggg	gctgtgcaag	ttcaactgtc	agtaa		765

<210> 6524

<211> 888

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (35)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6524

tggtagtgcc	ccaatggaac	ctgtgtgtgt	tacanaaatg	gtgcgcccag	agtcaaacc	60
aagcccacag	gcatgaaagg	atatccaatt	gcagttgaag	catccagtta	catcgttctc	120
tgcagcttcg	ctcgtcagta	cggatactgt	ccacatgcag	catgtgcccc	ggtggagggtg	180
cccctctcgg	agcccacggt	ctcgcgtttc	ctgccgtccg	catgcacggc	aggcaccggc	240
cagggcgacc	tggcggggct	ttgctcatac	gctgtgcacg	gcaccggcac	tggcgctctc	300
catcagcccc	ctgcggccaa	tagcaccttc	accgcattct	accaaggcga	cggcgacgac	360
gccggcttgt	gcaaatttgc	ctgtcagcac	ggctattgcc	ccgatgcttg	cgccagtaca	420
gaaggtgaag	ttccgtcctg	cgacgaggat	gacgacgaca	gccccgattg	cgcgttagaa	480
gacaccccg	acctctgcga	tctcagctct	cacttctctt	cgtgggaagc	tctccaggca	540
gccacagaca	tccccgagct	ctgcatgccc	atgtacgcca	tgcaggttct	gatggacaca	600
ctcaacaccg	ccctgcggaa	ctacacggac	gtcaacaacg	gctatgacga	aaaattcggc	660
tactacgtca	aatatctccg	cggcatgggtg	ccagagggtca	tcaataagggt	tatcgcagat	720
aacggtaaat	acgtccaatg	ctctcaggcg	atcaatgggg	ggtggtctaa	accagatca	780
tgctttatcc	cgcttgtcag	cgattcatgg	accgtcaagt	ataccttcgt	cgacgagcaa	840
ggattctacg	acgaattgca	atccaaatac	ggcatccagc	gggactag		888

<210> 6525
 <211> 429
 <212> DNA
 <213> A.fumigatus

<400> 6525
 ctaagcaatc gatcacagca tactctttgg cgtcttgatc aaatgcacat ataccggcgt 60
 caaagccttc cctctcagca aaaactcctc aatattctcc atcgccaacc gttcaaaacc 120
 cacatgcgtg tcaaccgtac cgccggcatt atgccgacat catcatcact cgcccatgtc 180
 tcgccagccg gggatgcaca tacggctcct ctgcatgaac atccaacca gcagccgaca 240
 tctgcccttc atcaagagcc cgcaatagcg cctcctcgtc aaccaatgat ccccgcgcg 300
 tatagaagaa ccgcgccccg cgctagaact tccccagcct ctccgcatcg atcagcgtcc 360
 tccccgaaa cggcgttgcg accaccacgc aatccgcaa cccagcaat tcgtccaact 420
 cgcccatga 429

<210> 6526
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 6526
 ctccgacgtt gtcttccacc gctgggtaag actgattctt ctcattctctt gcaaccacta 60
 gatattagtt gttttggccc tttaaagcat gcttatggag gccttggtga gcaaaagatg 120
 cgcttaggat acaactatat taataagttt aacttctta aagcatatcc agcagctcat 180
 ctagaggctt ttacacctct aaatatccaa aatggcttcg cggcagctgg aattcaccct 240
 ttaaagctag agaggggtgt tgagaagcta aatatccata tctcaacccc taccctccct 300
 ctgagccgtg catcaactaa ctcattcttag 330

<210> 6527
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 6527
 cttactacac ctcatacact tcagcaatta cacaagcaag catcctcagt caagaagctc 60
 ctaaaacaac aatctcaaag ccctttgacg ccttcaaaat tagctatcca gcagcttatt 120
 aaggggttgca agatggctat acataatacc gccctactag caaaggaaaa tcatgatcta 180
 cgcgacgcca atgagaagga gaagcagaaa aggaagcaat ctagacatca gatgactcct 240
 aatgaaggac tcagtataca ggaagctagg gatctcatcc aggcgagaaa tgagcaaggg 300
 aatgaggttg aggggtcatc aattgattct gcgcctttac ctttagaacc accaaaacgc 360
 gcgccaccaa ggtgtttaaa ttactttatt atagggcata cgagagttag atgcctaca 420
 cgcaatacta gctag 435

<210> 6528
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 6528
 ggagagtttc gtacacgact tttggctctc ggatttttct ggattgggac attgccccgg 60
 aagatctgca tttttgcctc aggctatggt actcttacca cctcggtcac acccgaccgg 120
 acaatcgttg tatgggattc cttacgtatc ggtcaacact actatgtcac tatccagaaa 180
 ggtatgctgg tgcagcaatg a 201

<210> 6529
 <211> 420

<212> DNA

<213> A.fumigatus

<400> 6529

ccatcatcgc tgcagactca ttcctcaacc ccgacatcac ccgcggaact gtggagaagt	60
agatcggaga gtatccttga aactgccctt gagacctgta tcatcgtgag catggctcct	120
gctgagaaca ttcataatcc ccgtgggtcc cgcggcggaac caggtcctct ctactctgat	180
ttcttccaac aacaagtcgc aaagcagcgc aataataatt atcattcgac ttctctaaga	240
aacatgggtg ccacatcagt taatcacact gctctgcacc ccggtgggtg tcagtatgtc	300
ttcccctatc taccttgctg ccttgatgaat cccctccagt gcctttgcca ctctgcttca	360
gtgtccatct cgtcctcttg cctatcctca tcgcaccaca ctttcacgca aacaaaagtga	420

<210> 6530

<211> 321

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (43), (141)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6530

acccggattg gatggattag tccccaggcc aggattcccc tanggaacaa cggaaccacc	60
aaggggaagga tttggaggaa agagaccccc agaccctagt gaacgcactc agggcagggg	120
gcaccacaga catgcaaggt ntaccaata tcttccacac ttaaaggacg aatcgattcc	180
ggaacaatgg ccagtgcacac aagctcccgcc ctttccgagc acgtcacgca caatgatgcc	240
tccggtctcc ccacctttac ctggccacga acccggttacc gactcgggag tcccaatgac	300
agcgatccga attcccccttg a	321

<210> 6531

<211> 612

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (98)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6531

ggaacaacgg aaccaccaag ggaaggattt ggaggaaaga gacccccaga cccagtggaa	60
cgactcagg gcagggggga ccacagacat gcaaggtna cccaatatct tccacactta	120
aaggacgaat cgattccgga acaatggcca gtgacacaag ctcccgcctt tccgagcacg	180
tcacgcacaa tgatgcctcc ggtctcccca cctttacctg gccacgaacc cgttaccgac	240
tcggggagtcc caatgacagc gatccgaatt ccccttgagg atgtggagcg gccaccttca	300
cccccgcca aagcttttct gagccaacct ggaacctcgg cagagctgcc aagcgcggt	360
gaaccatcct cagcacctgc ccccaacgct gaaccgacta ctctgcgcgt tctcgttgct	420
gaggacgacc ctgttaacag caagatcgtg gagaaacgac tcagtaaatt ggggcacgct	480
gtcatcctca caggaaatgg cgaagaatgt gcagctgcgt ttcgccgtga ttctacgaag	540
gtcgcagttg ttctgatgga tattcagggtg attaacttca tttcctccgt gatgtattcc	600
aggccatgct aa	612

<210> 6532

<211> 219

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (16), (69), (71), (78)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6532

attggaactt	tgcantcga	gaagttggca	ccttttaagg	aacaaagtga	aaagaaaaag	60
ggagccacnc	natgcccnat	acctaattt	ccccacttga	aattcaacca	tctccttgct	120
gaaatcactt	ttttctctac	cccgatctct	ctccccttgg	catgggcccc	tcctccgaat	180
gcctgttacg	gcttcctgcc	ggctcccaca	ggggcgtaa			219

<210> 6533

<211> 528

<212> DNA

<213> A.fumigatus

<400> 6533

ccagctcttt	cgatcgttta	tagcggagat	atcaatcccg	tgcgcaagat	ctgttacatc	60
ggcctcgcaa	ataacctcag	ctccggcata	gccagccgtc	caaaggatga	gaaggctact	120
tggaccctgg	acaaatacaa	tcgcacacca	ggcacgctct	tcactggctc	tcgcgtcttg	180
gctgatcgcg	ccacgcagat	accagacttg	cctgattctg	gagtacggca	ggtagttgtg	240
cgcataccta	gccgtcagtc	aacgagcaag	gtcactattc	ccaccaagcg	cggtgctgaa	300
agcgctgtcg	ctgcagagcc	tacgccagct	aagcagcaag	attgcaactga	atacatcggt	360
atccagaagc	ttcggtggac	cggtgaagaa	caggagtggc	gtatctgggg	ccatgccact	420
cctacgactg	tcgaagatct	cgacagcccc	ttctttgccc	caggactcac	actctccgag	480
cgcattggatg	ctatgaagga	catgatgaca	ggaaaaaaa	tgatgtga		528

<210> 6534

<211> 309

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (294)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6534

tttgtattat	tcagcgtgat	aaagggagtc	tggaccgtta	gacctcgta	cgaactgtac	60
catatcaaga	ttgcacttct	cgttattcat	gtgattactg	gacatatctc	aaaattggac	120
tgccaataca	tccaaggcag	gaatacatat	catgtcctga	aggtgaatta	tgaacagga	180
gtgggtatctc	atcagaaaga	cagtcaatcc	aacgtcaaaa	gacgcaatat	gtacatcggg	240
ggctatgtga	aaacgatggg	aaatatgata	ggggaatcaa	gaacgacgat	tganatgtgt	300
aatctgtag						309

<210> 6535

<211> 345

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (84), (167), (273)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6535

atctgcaaga	agcctattcg	tcattctcatc	cgtcattctg	aaactcccga	taagtggaaa	60
cacatagcag	aaatagacat	gtangtcaaa	gtcgctactg	gatgctctca	gcattctcac	120
gcctccgctg	tcccatgctg	ctccctcaca	cccagcggcg	tatgccntcc	actactcatt	180
gaccgaccta	catcctccga	tggcaaggac	gaacgtccat	tagaccctt	ccaatacgac	240
tgccccgaac	aggacggaac	gcttctctca	tcngaaaaca	tgatcgactc	gcgatccaaa	300
ctcacgtggc	tcgctgtttt	cgcgtcctcg	gcggtcgggc	ccaaa		345

<210> 6536

<211> 1914

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1228)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6536

acagacgata	acacttcggt	tgtcgagatg	acggaagaaa	aggccgtacc	agggaagctg	60
gaagtgcgcg	tcttcctcgc	cgcgagcaaa	ggctacgata	cgatcgtaaa	actcctcctg	120
agcaccctcg	gggtgcgtct	cgacttcaaa	gacgaggacg	ggcggaatgc	ggtctccctc	180
gccgcagagg	gtggacatga	gagtgtcctg	cagatcttgc	tcgagaccgg	gcaagtagat	240
gtgaatgcgg	tggatactaa	aacaggccaa	tccccgttat	ggtgggcagt	gaaaaacgga	300
catgcaggcg	tggtagacaa	attactcgct	ggtgagaata	tcgaccgcaa	tattcccgac	360
gccaacggcg	agacgccctt	gtacgcggct	gtgaagagcg	agaatggggg	gataatcgac	420
caactactcg	cacgggcgga	tctcaatgca	aacaccctcg	acgctgctgg	acagacaccc	480
ctctactggg	ctgtgaagaa	cggaaacgaa	gcggtggcgg	gggcattact	cggacgcgcg	540
gaggtggacc	cgaacgcgcg	tgggtccgat	ggacaaacgc	cggtgtatgt	ggctgtcagg	600
aatgggcacg	aagggatcat	gaatcgtctg	ctcgcgcgcg	gtgagaccaa	cccggacatc	660
cctgacgcga	atggccagac	tccccctac	tgggctgtgg	aacagggaaa	cctgccgttt	720
gtggtgcagc	tgtcaagggt	gaatgccgac	ccggatgtca	aggataatca	gggacggacg	780
ccgttgctat	gggctgcgga	gaaggagacg	gaggagggtg	ttcgattgct	gatcgggtcg	840
aggagagtta	atgtgaatgc	tgccgatgcg	gtcggcagga	cgccgttgtg	gtgggctgcg	900
agaaaacggtc	acctccctgt	ggtcgcactg	ctcgtgcgca	acggggcgga	tcgagaagcg	960
cagccgtctc	ctgatgacga	aaaggctcgt	catggcacgc	cgctgtacca	ggccggcagg	1020
aagtaccata	ccgacatagt	gaaatacttg	atcaagaagg	gcgctgacat	cgattgcccc	1080
tgtggagagt	ccggcctccc	gcttctgttg	gcgctgggtg	tacacgatcg	cacgaagcgc	1140
gggatgaaaa	tgtcaatgc	gctacttgag	aaaggcgcca	atgtcaacgc	gagggatacc	1200
aaaggaagga	ctacgcttca	catattanca	aaggatggcg	acatggatct	gactgccttg	1260
ttcctgcaga	gaggcgccca	ggtcaatgct	gcccgaagg	acgggacaa	accactgcat	1320
ctggccgtga	ttcatgaaca	tgaggagata	gtcgagatgc	tctgggcaa	cggcggagac	1380
cccgaagcag	ccgatcacac	aggagataca	ccccctcatc	tcgccgtgtt	cgcaggccat	1440
agacgactag	tcggcttgct	actagagaaa	gactgcgata	tcaacgtgac	gaaccactgt	1500
ggagaaacac	cgctgcacaa	ggcagtggaa	cgccggccatc	gcaagatggt	ggagtttctt	1560
ttgaggaacg	gggcggaaact	cgaaatgcag	gacgactata	agaggacccc	gctgcatcga	1620
gcagtcaagg	cgaagaacca	cgtaatgagg	ttgttgggtc	ataaaggagc	caacatccac	1680
gcgacagata	tgtacggtca	gaccgcatta	cacatcgccg	ccgaggcggg	actacgcgac	1740
gacgtggact	ttctactggg	ccacggcgct	gaagctgaag	cgaaagatca	caagggtcgg	1800
ataccattag	atctggcagt	taaggctggc	gaggtcgagg	tcgaggagct	cctccaggaa	1860
atgagtcttg	tcgtcgtcga	cgcacgtcga	ggaagcgaag	agtcggggggg	ctga	1914

<210> 6537

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6537

cacgacgttg	cttccaaaca	ggcagacttc	cccagcatca	tgtcgcaacg	agcccttggt	60
ctccaggaaa	tgggccaccg	tctggtcgag	gttgaccgtc	ccatcccca	accgggccc	120
ggcgagctcc	tcataaaact	cacctctgtc	ggctgtcggc	ctcacctcct	cctgctccct	180
tgcaccgcac	aaactaacga	ttga				204

<210> 6538

<211> 546

<212> DNA

<213> A.fumigatus

<400> 6538

gtaattcttc	ttctaccttc	tttttcgctc	cctttggcgg	cggcgtgcca	gtccgcgctc	60
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cctcgaccgt	tgcgacgctg	tctactccac	aataccacga	gcaaccctca	cttctttgct	180
cacacggtct	tcaatttcag	tcacccgogg	gataaaagtc	taaagagcaa	gaactatgtc	240
ctcatcctac	tacgtcacc	caagccagca	gcgcacgttg	cgcgcctgta	tggctctgctc	300
cctcgtccaa	ctacacagcg	tacgtccct	cgtccacc	ctctaccaca	cctactgac	360
ttaccgtttt	ttttttacat	gcagaaattc	atgcgcgacg	gctgccccaa	ctgcgataac	420
gtcctggggc	tccgcggcaa	caacgacgcc	atccaggaat	gcacctcgca	ggtcttcgag	480
ggcctgatta	ccctgcgcga	tccgtcgacg	agctgggttg	cccgtggca	gcggttggag	540
ggatag						546

<210> 6539

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6539

gaggaatcga	cggcaatcgc	atcaatgtcc	aagtcctcaa	acgcagacgg	cggctcccca	60
acctcaattg	ccttctcaaa	ctctaaccgc	cgcacaagct	tctcgactc	tgccagcttt	120
agtttcgcac	cgcggttggt	gggtccttt	ttcacgacag	ccttgaagtc	tttgagggct	180
tgcggttag						189

<210> 6540

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6540

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aaatcgccct	cgtgccatc	taccgattcc	atcgaccct	ttgcctcggt	cgattactac	120
gctttgcaga	tggctgcatc	cgatctcgag	gccgccaccg	caactgaaagt	gcaagggaac	180
aaggcatttg	ccgagcatga	atggcctacc	gcagtcgagt	tctacacgca	ggcgatagac	240
aagtacgac	gggaaccgtc	gttcttcagc	aaccgggcgc	aggtatgttt	ggggcgaggc	300
gggcgtctac	actag					315

<210> 6541

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6541

tacagtgggg	cacaggcata	tatcaaactt	gaggcgtatg	gttttgcgat	cgcggtatgcc	60
------------	------------	------------	------------	------------	-------------	----

accaaggctc	tggagctgga	cccctcgat	gtcaagggtg	gtcgaatgtg	cattttcccg	120
aggcacttgt	tgcgaaaata	ctggctgacc	gcgctgctag	gcatactgga	gaagagctct	180
tgcgaacacc	gccatattga	actaccgga	agccctcaaa	gacttcaagg	ctgtcgtgaa	240
aaaggagccc	aacaaccgag	atgcgaaact	aaagctggca	gagtgcgaga	agcttctgag	300
gcgggttagag	tttga					315

<210> 6542

<211> 417

<212> DNA

<213> A.fumigatus

<400> 6542

gcatactgga	gaagagctct	tgcgaacacc	gccatattga	actaccgga	agccctcaaa	60
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gagtgcgaga	agcttctgag	gcgggttagag	tttgagaagg	caattgaggt	tggggagccg	180
ccgtctcggt	ttgaggactt	ggacattgat	gcgattgccg	tcgattcctc	ctatgacggt	240
gttcggttgg	agaaggagat	gactcaagaa	ttcatcgatg	atatgattga	gaggttcaag	300
aacggcaaga	agatccatcg	caagtacgag	ttccaaatca	tcaaggctgt	caaggatatc	360
gtctatgcgg	atcttcacca	cggggggccga	aggatccgag	ctaagcgtat	acaacga	417

<210> 6543

<211> 471

<212> DNA

<213> A.fumigatus

<400> 6543

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ctcatcgact	cagaggacaa	atacacagag	ataacgaatg	caatcctcca	ggaattcggg	120
aagccgctac	ttccttgagg	aatcaaggct	caattgcagg	gtcgaccaca	gcctgaggtg	180
agccctcctc	agcatcctca	gtccgttcag	tccttgagac	tcaaaggctc	tgttccaaca	240
ctattacgtt	ctgtcctaatt	attctacggt	aaaggcaagc	aagatcttcc	accactgggc	300
tcaacttccc	atcagccccg	aggaatacgg	cgcgaagcag	gccgccctgc	aagccaagta	360
cttccccccag	tcgcagccac	taccgggagt	cagaactctc	ctgtccaagc	ttctctcgac	420
ccagaagacg	gaccaacctg	tttacatagc	cctggcgaca	tcacgcata	g	471

<210> 6544

<211> 714

<212> DNA

<213> A.fumigatus

<400> 6544

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gaggaatacg	gcgcgaagca	ggccgcccctg	caagccaagt	acttccccca	gtcgcagcca	120
ctaccgggag	tcagaactct	cctgtccaag	cttctctcga	cccagaagac	ggaccaacct	180
gtttacatag	ccctggcgac	atcatcgcat	agcaagaatt	tcaaactgaa	gaccgacct	240
ctacaggatc	tgttctctgc	gtttcccagag	tcacagcgcg	tactaggtga	cgatcctcga	300
attggtaagg	gaagaggaaa	gccgctaccg	gatattctatt	tgctcgctct	tgagacgatc	360
aatgagggct	tgccgcagcg	aggagaacct	gagatcaggc	cagaagagtg	tcttgtcttt	420
gaagatgcag	ttcctggtgt	cgaggcgagg	cgccgagctg	gaatgcgggt	aatttggtgt	480
cctcaccggg	gtctcctagg	ggcttataag	ggtcgagaag	cagagggtgt	ggctgggttg	540
acgggtgaac	ataagggaag	ggagaagtcc	gtcccagaga	aggaggcaga	ggagttggcg	600
gcgtggagaa	ttaaaggagc	cggttaacccc	ggcgagattg	acgatggatg	gggggagttg	660
gtgtcgactt	tggaagactt	ttcctacgag	aagtacggta	ttcgtcctgc	gtag	714

<210> 6545

<211> 651

<212> DNA

<213> A.fumigatus

<400> 6545

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aggctatttc	ctgctatgac	cgggcccttg	ccttcgtgtc	ccaactacct	cgactatgaa	120
gttgccgttc	ttcgaagtaa	catggccgca	tgctacctga	agctggaaga	ctggaaggca	180
gctgtcgact	ctgcaactac	ctgtcttgat	cgtctggaaa	acatcattcc	gctgtctcag	240
cagaatcagg	atgaagacct	accgaaacaa	aactctcaac	tgtcaaaaca	gacagacgcg	300
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aaaatggacg	agaaaaagaa	cgacgtgatg	cgtattcggg	caaaggcgct	tatgagacgt	420
gcgcgagcga	agagccagct	cggcggctgg	ggaaatttac	aagcagccga	agaggactac	480
aaagtgccta	ctgggatgga	aaacctacct	atagacgata	agcgggttgt	gcagagggcc	540
cttcgcgaat	tgcccgcgag	gataaaccat	gcacgggaga	aggaaacggc	ggagatgatg	600
agtaaactga	aggatgtgag	tcgacaactt	ttccgtactg	accctggatg	a	651

<210> 6546

<211> 234

<212> DNA

<213> A.fumigatus

<400> 6546

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agggtagcaa	ctggcgtgac	attcaagcag	gcaaagggcg	aattggccaa	actgggctgg	120
gatccccgta	ctcagaccaa	gggcgacaag	ctgtactggc	tgaacggctc	cacataccag	180
aagctagacg	agcagagttg	ggcctcaata	gagagcggac	gggctaaatt	gtga	234

<210> 6547

<211> 504

<212> DNA

<213> A.fumigatus

<400> 6547

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cagaacctcc	tctaccaagc	cgcaggcgac	cagggaaccc	cccccttcgc	aggccgccag	180
cgctcgatca	acagtatcgt	cctctcagc	aacggcatct	ccttcgccat	ccaggctcgt	240
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gtcttgtcag	ttatcgctta	cgccatcggc	ttcggctggg	tgggcgtcca	cacgcaggag	360
agatggcaca	tcgcgggtggg	attgtacatt	gtaggactga	tcgcgtatca	gacgacactg	420
acgtttctgga	cggctgcgtt	tccgggtctg	gcacggaata	cggccgagat	gaaagatcgt	480
gcagatgccg	tatgtggccg	gtag				504

<210> 6548

<211> 444

<212> DNA

<213> A.fumigatus

<400> 6548

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acgctgtcgc	aacctccagt	acctcgtgct	ccgactcctg	caaaccatgt	aacttcactc	120
cgcctctctg	aagttctttc	tggagaatat	ccccaccctg	ctcagcccaa	cgcgcagagc	180
cgcctacacg	accttggttc	tggaaagcgt	ctattgtggg	aaacgaatca	tacgctatcc	240
aagcgatcgc	acgaggaaac	cttcggcagt	gatgagcgtc	ctctgcacaa	tggcatgcgg	300
cctgatatgg	atcaataccc	tagcatgggt	cggaaagcagc	ctgattatgg	cgggcttcca	360
ttctacaccg	attcgcgcga	tgagatggca	tacaaacgag	cgaatggaag	aatggctcatg	420

aagatttttgc ctgcgctacc atag

444

<210> 6549

<211> 564

<212> DNA

<213> A.fumigatus

<400> 6549

acttgtaatc	ggccagatct	ccctcccgtg	aaaccctcgg	ctattgcat	gggtactatc	60
ttcaccata	cggttcact	gggtattctc	gcacctgtct	ttggtgatac	ttatcatcgt	120
gcgcaggccg	ccaattccaa	ggaggaatct	atcaagtcca	aggaggctgc	gggagcagcg	180
gcggcttggg	gtagctccct	ggttggaagc	gccgttcaga	cttatgggtg	tgccgccctg	240
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atggccagtt	ctgctccaag	tgtgagtatt	ccgattctct	cccaccaa	tttacatgat	360
atgctgactt	tgcattatgt	ttctagttta	tcagccaaat	cttcaccgaa	aagcgacccc	420
tcgatactgt	tgtgtttggg	gctgtcagca	gggtgtttga	gacagttggg	cttagtctgt	480
tccttacctg	gtgggggtact	cgcacaaatc	ctttcgatta	ggagcgactc	ctggttaatg	540
gtcagggaaa	ttatgatttt	gtga				564

<210> 6550

<211> 549

<212> DNA

<213> A.fumigatus

<400> 6550

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gcccagaacg	ccttgatgc	ccctcttgct	cttctcaa	atggcagcga	ggccacgctc	180
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gtcgtccttg	ggcgccgccc	ggctacctac	tgtaagaagg	ccaacagcgt	ctgcttggtt	300
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agtcggaagt	cgatattgct	agttaagtgg	gactccagta	gagcgattgg	gacgatggc	480
aagaagacgg	cgaagacggt	cccataatcc	cgtagactgg	acgggtgtatt	tctgatcatc	540
aaaacttag						549

<210> 6551

<211> 198

<212> DNA

<213> A.fumigatus

<400> 6551

atcttaattc	acaaaatcat	aatttccctg	accattaacc	aggagtcgct	cctaatacgaa	60
aggattttgtg	cgagtacccc	accaggtaag	gaacagacta	agcccaactg	tctcaaacac	120
cctgctgaca	gcaccaacag	caacagtatc	gaggggtcgc	ttttcgggtga	agatttggct	180
gataaactag	aaacataa					198

<210> 6552

<211> 714

<212> DNA

<213> A.fumigatus

<400> 6552

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atatgggaac	gtcttcgccg	tcttcttgcc	atcgatccca	atcgctctac	tggagtccca	120
cttaactcgc	aatatcgact	tccgactcct	ggtgctctcc	cgccgcaatc	ttatgatgac	180

cccggttactg	tcccagcagc	agacattgcc	gacaaccctt	actggaagcg	cgacgtccgg	240
agaaattacc	ccagacttag	catagtcaac	caggcagacg	ctgttggcct	tcttacagta	300
ggtagccggg	cggcgcccaa	ggacgacgtt	ctgcagaccg	ggcaggcagg	agagcagcag	360
ttgggttgagg	ttaaacagca	aggagaagag	cgtggcctcg	ctgccatatt	tgagaaggac	420
aagaggggca	tccagggcgt	tctggggcgc	gatggctctg	cgccaactcc	ttgtaacttg	480
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tcgtctaagt	attcggttaac	tgcacatctg	aaattgaatt	gctatcttct	ttctgtcctg	660
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<210> 6553

<211> 192

<212> DNA

<213> A.fumigatus

<400> 6553

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acccaatatc	ttggggcgca	atgtccacct	atcaatcatt	gtctagcgtt	catgactctc	120
atgctggaac	gcgctgctct	cttactagaa	tcctttgttc	caagtcatgg	cacctgtcta	180
gctagaaagt	ag					192

<210> 6554

<211> 1083

<212> DNA

<213> A.fumigatus

<400> 6554

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<210> 6555

<211> 339

<212> DNA

<213> A.fumigatus

<400> 6555

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aacaaacctc	atggaggacc	tccggccagc	ttcttcgccg	ctgcatcgac	catgcccgtg	180

gcggcccttc	aggcagcggc	tgccaaagcc	accaagggtc	ctagcctggc	cacgtacccc	240
gtgagccagg	acaaagggtc	ggccaagtcg	accatccata	ccgactgggc	gtccttcagg	300
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<210> 6556
 <211> 342
 <212> DNA
 <213> A.fumigatus

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aatgaggaag	acgtgtcttg aatggctcct acggaagcgg aagagaatgc cctgaagcag 240
gaaaacctag	caatagggtga ggatcagcag gagcagggtg atactcggga gacgtggacc 300
aaggccggcg	acgaagatga ccggtttaac acaactgtat aa 342

<210> 6557
 <211> 408
 <212> DNA
 <213> A.fumigatus

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<210> 6558
 <211> 804
 <212> DNA
 <213> A.fumigatus

<400> 6558	
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tttcacctct	ggggcacgcg caagaataga cggagagcca gggaatgggc ccaggctcat 180
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tcttgggtta	ccgttatgac agaaagtgcc gagatcacag atactcttct cactcctgag 720
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<210> 6559
 <211> 1242
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (1166), (1167), (1201)

<223> Identity of nucleotide sequences at the above locations are unknown.

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ccgcagcaag	tgatccgttg	ccgcagtttt	tcttttatcg	gaatcggcag	tggaaaactc	180
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ggatcgagat	cgaccgctac	caagccgtta	tccgacctcg	agaagagaat	atctgcgatt	420
ccaatcgagc	gataccggaa	cttttgcatc	gttgcccatg	tcgatcatgg	caaaagcaca	480
ctttcggacc	gcctgctcga	actcacgggg	acgattgagc	ccggctcgaa	caaacaagtg	540
ttggacaagc	tcgacgtgga	gcgtgaacgt	ggcatcaccg	tgaaggcgca	aacctgctcg	600
atgatataca	atcacaatgg	tgaagactat	ttattgcacc	tgggtgatac	tccaggccat	660
gtggacttcc	gtgcagaggt	atcccgtagt	tatgctagtt	gcggaggagc	attgctcctg	720
gtcgatgcca	gtcaagggaat	ccaggcacag	accgttgcca	acttctacct	cgcttttgcg	780
cagggccttg	aattgattcc	agtcatcaac	aaggtagatt	tgccctcgcc	tgaaccagag	840
cgagctcttg	agcagatgaa	gaattccttc	gagctcgaca	ccgagaacgc	agtgatgggt	900
tcagctaaga	caggcctcaa	tgttgagaaa	ttacttccga	cagttattga	gaagatccca	960
gcgtatggcc	atttccccgt	cgattctcat	gagctgcttc	cgttactgac	tcttagcagc	1020
cccacggcg	attgcaagaa	gcccctgcga	atgttactcg	ttgactcgtg	gtacgattcc	1080
tacaaaggcg	taatctgtct	ggtccgcctc	ttcgacggtg	aaattcgagc	aggccagcag	1140
gtcgtgtcgt	ttgcgtcttc	accacnnaag	gagccacgga	tccgcgaaaa	aagcccttcg	1200
ngggcgcccc	cgaaccgcgc	cacaaaagaa	aaagaaaatt	aa		1242

<210> 6560

<211> 267

<212> DNA

<213> A.fumigatus

<400> 6560

tcaaaccag	ttaccgccga	cgaccatgtc	aaggcctaca	tcaagaagat	tatgtcgcag	60
ttaaataagt	ggatgcttgg	aggcaagata	tcgaaacttg	ttgtggtgat	cacagataag	120
gagactgggg	aacacgttga	aagatggcag	tttgatgtat	ggcagcccc	tgaatggatg	180
cgtgcagagg	ctcatcagaa	tctattatca	ccagggtccag	atatttgga	agcatgccaa	240
gagccaaact	tctcggaaat	ctgctga				267

<210> 6561

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6561

tacaaccttg	tactctgcaa	cagagacacg	gaaaatcaaa	gttcgactgc	ggttgagaag	60
accgagaaag	agatccagga	agagatacaa	gctatcttcc	gccaaattac	ggcctcggtc	120
accttctcc	cagttctgga	cggagactgc	acattcaacg	tcctcgtgta	cgctgacgca	180
gactcggatg	tgcccgtcga	atggggcgac	agcgatgcca	aagagattaa	gaatgccgag	240
aaagtgcagc	tgcgaagctt	cagtacgaat	aaccacagag	tggagaccct	ggtcagttat	300
cgcttgccg	aatga					315

<210> 6562

<211> 201

<212> DNA

<213> A.fumigatus

<400> 6562

ttgatggctc	ccactaccat	cttcatgacc	agccgggttac	cactaaataa	ctgctacaat	60
ggccttggtc	gtgggttcgga	tcagtttgct	gataaaaaga	ctccgggttt	ctctccccct	120
gctgatgact	ctccgtacgt	cttgggtcca	attgctacga	tctacctttc	tgcttcgcaa	180
gcccgcatat	tcaacctcta	g				201

<210> 6563

<211> 825

<212> DNA

<213> A.fumigatus

<400> 6563

tcgaccgaat	ataagatgcg	ttccttttctt	ttcgggtggct	tggtagcctt	gagctcgacg	60
ctcggcgccct	ttgcggcgaa	ctacaattct	tctgcctaca	gtgactcggc	atctgggata	120
gactttcaga	gatgggtgca	tgogaatacc	gggttctgct	tcgggtctggc	cctcccggag	180
actgtaggaa	ctgactttgt	cggccaactg	gtgggtgccgc	tggaacagctc	gaaaggatgg	240
ggcggtgtca	gtctgggtgg	ctccatgacc	tcgactcttt	tgatcgcggc	ctggccgaat	300
ggtaactctg	ttgtctcgag	tctacgcaag	acaaccaact	acgccaaccc	agacgtgtac	360
agcggaggcg	ccagtctcac	cgagatcccc	gatggcactt	ctgtcaacag	gactcatctc	420
acttatacgt	tcctttgcag	tggtctgcac	ctcggacaac	cagcgacatt	cgacgccacc	480
gatgaaacgt	acttccttgg	ctggggccctc	agcaagacca	gccctaccac	tcctgcctcg	540
gcctcttcgg	ctctgacata	ccatgcgcgc	ggcttcggta	gttttgagat	gctcctcggc	600
caggccaaat	cctccaagta	ctccacctgg	gctgccatgg	ccaagtcgac	cggcggatcg	660
ccctccagca	ctccttcagc	gtctgcgtcg	gtcaccctcg	cccctagtcg	cagccctgtc	720
cctagcgtga	ccccgacggt	gtcaaaactcc	acatacgact	acatcgttgt	gggagggtgg	780
gcgcctggta	tcttcaccac	gaggcgccag	ggcgcgctta	cgcta		825

<210> 6564

<211> 528

<212> DNA

<213> A.fumigatus

<400> 6564

actaccgaa	atgggagatg	cttggcaact	cgggatctag	ggaaggcaat	gattccttta	60
attctggata	ggttcactat	tcacgggtcca	aatgggtgagc	atgcttgcta	tgtcacagca	120
actgcgagg	ctagcctatc	tgcgttgaaa	gacgggtcat	gggtccgttt	attcgagctt	180
gatgtagccc	ggacattggc	cgcacagctc	gtccttgctg	tggtattatgt	acacgcccaa	240
ggattttgtc	atggagacct	tcatttagga	aacattcttc	tcaaagtccc	gcctagcttt	300
gacgggtgtg	cacccgaaca	actatatgaa	gaatacgggg	caccggaact	agagccagtc	360
attcatctgg	atggtaatcc	acttcctccc	ggtgtcccat	cccacggcat	tgcaccata	420
tggtctcag	aagcaagtga	gaaaataatg	cttgccagaag	ccaggatctt	gctttctgac	480
tgtggcgagt	cttcaacacg	gggctggaag	gatccacgcg	ggcgctat		528

<210> 6565

<211> 879

<212> DNA

<213> A.fumigatus

<400> 6565

ttcgcttcgc	gcatacagctg	ttccaccctg	tcctggggta	caccgggttg	gaacaccatc	60
ttgctcgggtg	ttgatgactt	ctttccgggc	tcagaaccgg	gtgtccctt	gcccttgggg	120
ttgggtctgcg	gagtcgactt	gggaatcggc	gtcgagggtg	taataaccac	gtcctctcct	180
tcggcaaaaag	acacagaacg	ccgttgtgcc	gacttctctg	cgggcgaatc	cttgcgtaaa	240

gccgaatgta	actgcttcac	tcgatccaga	gcaggagt	gcttcgatgg	cgtggcatcg	300
ttttccacca	acgacgcacg	gcggatcgta	gacgctttgc	tggagaagag	gggagtccct	360
atcgacgtgg	tcgcttcctg	ggacaacggg	accatcacct	gcggtttgct	agggggactc	420
tttgtgatac	caaggccgag	accggctttt	gcagactcgg	gtttctcaga	gacgcttggg	480
cgtcgcccaa	ttccagagaa	tgacggagct	ctctcgtgtc	ttcgcaccaa	cggactgctg	540
acgggtggct	cggacagcga	ctggctgggg	ttgttctcct	tgtccgacga	tccagggctt	600
ctggcctcca	atcgaggctc	cttgtttggg	tgctcttcct	ccaagctctt	ctttctcttg	660
cgttgctgaa	ccgcgggcaa	ccccccctta	gacgagctct	ctttgctccc	attcaccacc	720
ggctcatccg	tctcctcagc	ttcggcctca	gcaggcactt	tgtccaacgc	cgcaacatcg	780
ctgtcattca	tcgcaacatc	tccatcggtg	tccaaatcat	taaattgttc	ttctacttct	840
tcttcttctt	cttcctcatc	cgactcgcgc	ccctgctga			879

<210> 6566

<211> 1656

<212> DNA

<213> A.fumigatus

<400> 6566

acggggagcg	tacacttgca	gctaccgtgg	acgatcgcga	gcgtcgcagg	gacgtgccgg	60
tctcctcccg	tggacaaga	ggagatcccc	atgtcgccctc	cgcgggtggg	ggagtgcgcc	120
gtccatgaga	acgactcgca	ggatcccaag	ggtgtagttg	ttgcggcgac	accacaacac	180
aagcgcgatg	agagccagga	gctgggggag	tcgccttcac	cggaaacggca	atggggcccca	240
acgcccga	cgcagacatc	ccccgcaaaa	cgcgggtccg	tctccaagca	cgtgccggcc	300
actcgggtcaa	tatcacagtt	tgtcgccgaa	ccggactttc	ccacgtcgaa	tcgaacggaa	360
cgtgagcgca	tcggatcgga	atcgccccctg	agtccaagac	aagcaccgtc	tcggccagaa	420
cgcgaggtgg	acgaggaaga	ggaagtggaa	acagacatct	ctcagcagg	gcgcgagtcg	480
gatgaggaag	aagaagaaga	agaagttagaa	gaacaattta	atgatttgga	caacgatgga	540
gatgttgca	tgaatgacag	cgatgttgcg	gcgttgga	aagtgcctgc	tgaggccgaa	600
gctgaggaga	cggatgagcc	ggtggtgaat	gggagcaaa	agagctcgtc	taaggggggg	660
ttgcccgcg	ttcgacaacg	caagagaaa	aagagcttgg	aggaagagca	accaaacaag	720
gagcctcgat	tggaggccag	aagccctgga	tcgtcggaca	aggagaacaa	ccccagccag	780
tcgctgtccg	agccaccctg	cagcagtcgg	ttggtgcgaa	gacacgagag	agctccgtca	840
ttctctggaa	ttggccgacg	cccaagcgtc	tctgagaaa	ccgagtctgc	aaaagccggt	900
ctcggccttg	gtatcacaaa	gagtccccct	agcaaaccgc	aggtgatggg	cccgttgtcc	960
caggaagcga	ccacgtcgat	agggactccc	ctcttctcca	gcaaagcgtc	tacgatccgc	1020
cgtgcgtcgt	tggtggaaaa	cgatgccacg	ccatcgaa	aaactcctgc	tctggatcga	1080
gtgaagcagt	tacattcggc	tttacgcaag	gattcgcccg	cagagaagtc	ggcacaacgg	1140
cgttctgtgt	cttttgccga	aggagaggac	gtggttatta	ccacctcgac	gccgattccc	1200
aagtcgactc	cgcagaccaa	ccccaaaggg	aaggggacac	cgggttctga	gcccggaaag	1260
aagtcatcaa	caccgagcaa	gatggtgttc	ccaaccggtg	tacccagga	acgggtggaa	1320
cagctgatgc	gcgaagcgaa	tcagaaattt	gccaagcatc	acaaggacaa	ggaagaagtc	1380
gaggagatga	ttaagggtgg	caaggagcag	aataaggacc	cggcattcgt	gcgcaatctg	1440
gaagagctct	tggccaaatt	ggaccgggtc	cagaaactcg	agaaacgcaa	ccgctccagc	1500
gagagagaca	ggcttgagcg	agcccgggct	gatctacggg	cgaagcggga	agaaattgct	1560
aaaatggaag	cagatatggg	tatttcttcg	caggataa	aacagaaggc	agactcggcc	1620
aagtcctccc	cacggggctg	gaaattcccc	cgtctgc			1656

<210> 6567

<211> 312

<212> DNA

<213> A.fumigatus

<400> 6567

cgaacaatgg	aacattcatc	tccgctggct	gccatgcagc	ccccgtccgt	gatgttcggg	60
cactgctttc	gttcggatgc	tcccacatcg	tacccaacct	ttggtccaag	gtcggggctt	120
ggtccgaaca	gtttcaactt	caagggaattg	tccatgaaca	aagcctccgg	cgattacttt	180

ggcatgaacc	cggttgcagg	atcgtctcca	acggctagtc	tggcagcgga	cctgtcccag	240
aattttcaca	ttgaccagag	gttggcagat	gcccttcgct	gtttatcctg	ttttctttgt	300
catgctttat	ga					312

<210> 6568
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 6568						
gaaaagccga	cgcaagggga	tttcctcggt	aaaggacagc	tgctgctgca	gactattcta	60
cctggcatat	actacaacgg	caagatgaag	tatgggtcaaa	cgcttcaaac	gccttgtaac	120
tcggtcttcg	actctctgtt	ctttttcctc	aattgctgtg	cctgctcgaa	ttccagacct	180
cacaaatcgt	gggaaaacgcc	tttctaa				207

<210> 6569
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 6569						
agctggatct	ctagattctc	ttccttggca	atgaacatca	tgaatataca	ccaaagtttg	60
tgcatggcag	gacgcctgcc	tgtgtttaca	tcacgcctct	gctctggaaa	gcggctctta	120
tgttacacgg	cgcaaaagtc	gtccaagtca	gatgctaaga	ctggttcgtg	catgatttac	180
ccaagcaata	atcgtctctc	attgctaaag	tttctcgaag	ttcagagccc	gtccgaggat	240
ccatcgaaag	tccgcgacaa	caaccaggaa	tcaaaaccca	aagtgaccag	aagtgttgct	300
caagcggacg	aggagcttcg	tgaacgcctc	gagcagatgt	ctggtgaggg	tggggcctct	360
ggtatcgaat	atgaggatgg	caaaccaacc	gccatgaaac	ggagtgttcg	caacaacatg	420
tttcgctaca	tctga					435

<210> 6570
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6570						
actgtagaat	ttaatgcttt	ctataaggaa	aatataatta	tttaccttta	tataccacct	60
tatacttcct	accttctaca	gtcactagat	attagtgttt	ttagcccgtc	gaaacacgca	120
tataggaagt	tagttaaagg	aataatagtt	ataggaaata	actatattaa	caaagaagac	180
tttctgcacc	tatatccacc	tgtatataaa	aaagtcttta	attaa		225

<210> 6571
 <211> 267
 <212> DNA
 <213> A.fumigatus

<400> 6571						
tgggaaccat	tagtcagggc	ttcatttggt	acaacaccac	aagtgcaccc	tacagcattg	60
tccttgagtg	aaatgcctat	gcaagtaggc	acgaaacagc	gcgtctctat	cttacggcaa	120
gcttgtcttg	catgtgatca	ccaccggtgt	atgatatctc	gcaagtttga	tatcatcgag	180
gcccggaagc	acctccaaga	gaacggggat	aactctaaag	acgacgacgg	aagccttcta	240
agcattgagt	tatgggttgg	attctag				267

<210> 6572
 <211> 399
 <212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (269)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6572

cgcttgcgac	gaaatcgta	cgctgggata	ccgagagaat	ctgtcgcttt	ctcagatcaa	60
gacattcctg	gaaatggaaa	gtcacgaaga	gagaatacag	gaaattatcg	aaagagtata	120
cgacacactg	gccttcgggt	acaacagctt	gctaataatg	ttgaacagaa	caaagagctt	180
gaagccagcg	aggagcgcaa	aagaaaggcg	aagcagttgg	agatgcagcg	aaaggaggca	240
gctcgagtg	gccggtctat	ggcaccang	gccccatcct	atcctgtata	cactcctcca	300
tcacgtcctg	ctgctccga	aacatacgat	acttatgagg	cggagaagaa	gaagtcattt	360
gcgaagtatg	ccttgatctc	atatgttctt	tatctctga			399

<210> 6573

<211> 855

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (827)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6573

gaggctgttg	ctaaccaagc	tcgtttcttt	agacgggtgc	ccacacgcgg	aaaaggcatg	60
caacttggca	aaaaatcgaa	gaccacagat	atctacgaga	aagttcgtgg	tgatctgggc	120
cccgaagtgtg	atgaatcgag	tccattggta	actcccaag	ttccgacgcc	ggcagccgag	180
agggtccct	ccgctcgggc	ctcattatcc	gccgacagag	agcctgtcca	tatcactatt	240
gctgaaacaa	tttctgccaa	actcaccgt	gaaggtgccc	tgaagtcgtt	cgaggtgaag	300
ggcgacctcc	agctccgtat	caccgaccca	tctttcacga	aaatcaagct	ggacctgctg	360
gccaatccta	cacatggcgc	acaattccgc	acccatccca	atgttgacaa	ggccggtttc	420
accagctcct	cagccattca	gttgaaagac	ttgaccaagc	gtttcccagc	caacaactcg	480
attggcgctc	ttcgttggcg	cgttgctagt	tcggggtcag	aaaatgctga	tatcctcccc	540
atcacgttca	cagtgtgggt	gaataagggc	tccgactcca	ccactgtgac	aatcgagtat	600
gagctcacgg	gctcggatac	gctgagagac	gttggtgttt	ccataccttt	tggcgcaaca	660
gagcctacag	tctctagctt	cgacgctgtc	tatgaggtct	ctggggatag	tttgactggg	720
aacatcggta	ccgtggacga	aaccaacgct	tcaggaagct	ttgaatttga	atctgcaggc	780
gatggagacg	agtacgagtt	cttcccgatg	aatgtgcgct	tctccanagt	cagtccatcc	840
gttgaagtaa	atgtc					855

<210> 6574

<211> 705

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (598)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6574

gttggttctcg	cagcatcaat	atgcactcgg	gggggcaaag	cagtgtctctc	acgtcaattc	60
cgggagatcg	cccgtccag	gattgaagcc	ttgctcgcgt	cctttccaaa	gctcgcagat	120

tctggaaccc	agcatacaac	cgttgaacag	gacaatgttc	gctttgtcta	ccaacctctt	180
gacgagctgt	acatcgctct	catcacgaac	cgccaatcca	acatccttca	agacattgat	240
agccttcctc	ttttcgccca	agtgaccacg	agcatctgca	agagcttgga	cgagcgggag	300
attgttcgca	atgccttcga	attgcttagc	gcgttcgacg	aaatcgtcac	gctgggatac	360
cgagagaatc	tgtcgctttc	tcagatcaag	acattcctgg	aaatggaaag	tcacgaagag	420
agaatacagg	aaattatcga	aagagtatac	gacacactgg	ccttcgggta	caacagcttg	480
ctaataatgt	tgaacagAAC	aaagagcttg	aagccagcga	ggagcgcaaa	agaaaggcga	540
agcagttgga	gatgcagcga	aaggaggcag	ctcgagctgg	ccggtctatg	gcacccangg	600
ccccatccta	tcctgtatac	actcctccat	cacgtcctgc	tgctcccga	acatacgata	660
cttatgaggc	ggagaagaag	aagtcatttg	cgaagtatgc	cttga		705

<210> 6575

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6575

cacactccag	acacctatgc	catggccact	gcacgtcac	tagcatttac	caacatggaa	60
gtccctgggc	ttgatgacac	gatggagatg	gcttctccct	atcagggtca	tgtggatgat	120
tttgacattg	acctcgatgt	catggaagac	caagcctgtc	ttcacctacg	gggctggacg	180
gatccgcgat	tgagt					195

<210> 6576

<211> 402

<212> DNA

<213> A.fumigatus

<400> 6576

tcacatcacc	catggcgcca	agcttccgca	atgccaatta	ttgtgggtgc	tgtatccgct	60
agaagcggtc	tcttggtctc	attcacattc	ctcgctctc	ggctcttatt	accatcttat	120
gacagcatat	cctatataaa	catcaccatg	tcaacggaaa	tggaagtcga	cgtcccgcga	180
gaggagggtc	ctcagggaca	atctggcggc	ggaggttccg	atcctcgaac	acaggcggga	240
gccgttgtag	tgcgagtagt	tgaagggtgg	attatcattg	caaccaacat	tcacgaagag	300
gcctccgatg	aatatgttac	cgatcttttt	gctgaatatg	gagaaatcaa	taatttttagc	360
ctgaatctgg	atcgccgcac	gggttatgtc	aaggtagagct	ga		402

<210> 6577

<211> 222

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (102)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6577

ccttggtcga	cccctccag	tcctccgacg	acgcaatccc	actccccgac	ccctgcgtca	60
gcaccgccag	gatatccaac	gtcacgaaca	tccacggcag	cngtttacc	gacccccac	120
acagaaacgc	cgcggggggt	tgttttgcac	ccgagtcgga	gctgggtctc	aacttcccc	180
gaagcatgta	gagactcgcg	cagacgaaca	ccggggcgat	ga		222

<210> 6578

<211> 531

<212> DNA

<213> A.fumigatus

<400> 6578

ccccctgtta	cagtcctctg	gagttcggcc	cacgcaaaaa	catggcagat	cgtcattctc	60
tgcattgtct	tottcgggtt	cgtctgggcc	ggcttctctt	tcttcctcag	ccacctctcc	120
aagaaacaca	gctggatctt	gcccgtgttc	gcctgcggtc	tcggtgcccc	ccgctgggcc	180
cagatctggg	gggggtgtct	gggcatcggg	tactacatgc	cctgggtcgc	cggcgggctc	240
acgggtggcg	ccctggcgtc	tgcagcatc	tggctgtggc	tgggcgttct	cgacgcaatc	300
cagggcctgg	gtttcgggat	gacctgtctg	cagaccctga	tccgcatgca	catgtgcttc	360
accctcattg	tgtgccaaagt	gctgggatcc	atcgccacca	tctgcgcccg	agcctttgcc	420
cccaacaacg	tgggcccggg	ccctatctcc	cccgatccca	cctatggtgc	gagtgccgtg	480
gcgaacgcgt	ggttctggat	cgccttgatc	ttccagctgc	tcctctggta	a	531

<210> 6579

<211> 531

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (33), (50)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6579

gtcggctctgc	tcatgttttt	tggcctgccc	aantactacc	gccagagtcn	tggtaaggtt	60
ccgtccttct	atcggtcggg	gttcgcggcg	aagatcgctc	tctggaactt	tgccgtcgtc	120
attatccaaa	acttcttctt	cagtgtctct	tacggccgca	actggaattg	taagtcacct	180
tcctcgggtc	acgtgaatga	agatcctaac	cccctgttac	agtcctctgg	agttcggccc	240
acgcaaaaac	atggcagatc	gtcattctct	gcattgtctt	cttcggtttc	gtctggggcg	300
gcttctctct	cgtcctcagc	cacctctcca	agaaacacag	ctggatcttg	cccgtgttcg	360
cctgcgggtc	cgggtgcccc	cgtcggggcc	agatctgggt	gggtgtctcg	ggcatcgggt	420
actacatgcc	ctgggtcgcc	ggcgggctca	cgggtggcgc	cctggcgtct	cgcagcatct	480
ggctgtgggt	gggcgttctc	gacgcaatcc	agggcctggg	tttcggtatg	a	531

<210> 6580

<211> 594

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (494)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6580

cggccatctt	ggagaaacat	caacactcag	tgcaagctcc	tacaaatcgt	caatatccag	60
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gatgacacca	tctacttgta	caatccctcc	ctcggggcct	ccatcctctt	caccatcctc	180
tacatcctcc	ctctcatcta	ccagtcctac	atgacctctg	tatacccccg	caaagcccac	240
acccctcgag	ccaactactt	catcccgatg	gtgattggcg	ccgccctcga	agtagcaggc	300
tacgcagtcc	gctgcgccag	cgtccggaaa	ccagcggata	tgcacctgta	cgccgtctcc	360
agcaccatca	tgcctatcgc	cccgggtgtt	gtctgcgcga	gtctctacat	gcttctgggg	420
aagttggaga	ccagctccga	ctcgggtgca	aaacaacccc	ccgcggcggt	tctgtgtggg	480
gggtcgggta	aacngctgcc	gtggatgttc	gtgacgttgg	atatcctggc	ggtgctgacg	540
caggggtcgg	ggagtgggat	tgcgtcgtcg	gaggactggg	aggggtcgac	caag	594

<210> 6581

<211> 1368
 <212> DNA
 <213> A.fumigatus

<400> 6581

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ctgttgacca	tgattattcc	ggccactttc	aagccttctc	tgacaagaat	cagaagcaag	120
agacgcagca	aggggatcaa	gaatggagat	actcactcga	tatgtccagc	atgtctctat	180
catctcagca	ttatacaagg	gaggacgacc	atcccttcca	cgctacttct	ccatcatgta	240
cagctcgaca	caccttcgga	gtcaaattgt	ctgatcaacg	gagagacact	taaggaatgt	300
ccagtatggg	aaaccagccc	tctccctcgc	ctgccaatcc	tcttgtctcc	aaccagggtc	360
ggcacttttg	gtggccgggt	tgtcccgag	tcccatatgg	acgccttgca	ggagctcaca	420
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aatatctggc	tcaagcggga	ggatctaaac	caacatggta	gtcacaatat	ccgcagcatt	600
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atgagcggtc	caatcggtcc	ccaccgcgtt	ccaacaatca	cacgcacctt	ccaatcaatt	960
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catccgtcgg	tgaaactgct	cggcggtgag	gcggcagacg	cagctccctt	atcccacgat	1140
gaaattggcg	tcctgcatgg	atgccgcacc	tatctcctcc	aggacgagca	tggccagatc	1200
ctcgattcga	gctcgatcgc	cccgatctg	gactttccca	gcgttggccc	tgaactggcg	1260
cactggaagg	agacggccag	ggtggaatat	gttactgcca	cggacacaga	agccttacgg	1320
ggtctggaca	ttcttcggag	ccaggagggg	attgtcccg	gagcgatg		1368

<210> 6582
 <211> 1581
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (1553)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6582

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ggtaattcgg	agaacattag	tcacagggt	aggttgaaaa	ttcaagacat	tattcgaaac	180
aaaccgaaa	agctgctcgg	ctctgagatg	atttatgaac	tcgccgtgtc	gatacaggac	240
gtcctcgagg	atgttgccca	ggcacaggcc	caggataagg	atctaccaag	tttagaagag	300
gaacgcattg	tgcaagaagc	tgttgccaat	cagcgtgcag	aattggaacg	gcaagaagag	360
cttcgaaaa	aggaggcgcc	cactgcggaa	gaggagcgag	ctttgcagca	gctgttgagg	420
gacaaactta	gagagcgcac	gaaggctcgt	ctctccaggc	gaaagagtag	gtcttcgggt	480
acaggcttgt	ccggctctat	cgatgcgggt	gaccaatttc	ccgacgccat	tacttttgat	540
ccaccattaa	ttataaacga	cacaaatgaa	caaccgttgg	cctttagtgc	tgtatttggg	600
aagacgcttc	tacaaagcag	tccgggaaag	cagacattca	cagtcagacc	cgtgggtgtcc	660
gggagtcgct	cccatgcacc	tcttatcgtc	ctgaaagaac	tttctctcga	tgggaatggg	720
acggcaccga	tttgttacag	ggagcgaatg	cgtgccagtg	aggacaaaact	agaggctctg	780
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gactccatcg	acgccaaga	cagcacctgg	agagtatatc	tccttcttga	atatgcgaac	900
aaaggggtccc	tatcggagtt	cctggacatc	gtggggagcg	tgtcggtgga	gattatccgt	960

gcttggatga	tccaactgct	cgaagctctt	gaattctatc	atcgagcg	atattgtgcat	1020
ggggatatcc	actgoggacg	cattcttctt	ttcaggaacc	cgcaaggcgg	taccattgta	1080
aagctgcaag	gaagcattga	agatgcgctc	ccggatacgg	agaacagcaa	gagatctctg	1140
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acttcgaact	cagtgtcact	gcccagacgt	ccacgccttg	actcgactgg	agggttccc	1500
gctttctcgc	gatacaacca	agactttgat	gaagcagggc	gcgtcggtaa	gtnttgccc	1560
caagctgaag	taccatatgg	g				1581

<210> 6583

<211> 279

<212> DNA

<213> A.fumigatus

<400> 6583

atctgggttc	agacttttaa	caccgcccac	cgccccggta	tgcctcacia	gcagaagaag	60
aatcctagca	atgtccataa	aaacggctct	ccccgagcgg	agaggaagca	gtcgacgtcg	120
aataccattc	cgcttgctca	gcctggacta	gcgacgacga	attaccggga	gatccaccag	180
aatgaggctg	aggcggttacg	ctccatctat	ggtgatgact	ttgaagaaat	tgagcacagg	240
ccctccgcct	ggcaggtgcg	cgcggtattc	tccgactag			279

<210> 6584

<211> 1710

<212> DNA

<213> A.fumigatus

<400> 6584

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ccagccgagg	aaggagaagg	agagggaaaa	gaaggagcag	ctcggaaggg	agggaaactt	120
ctcaccaggc	cccgggaagga	agctaaggag	cgcataaaat	ttggtttgaa	gcagatgctt	180
gcagccggcg	ttggttaagg	tgcctggtctc	gaggagccgg	gaattgagaa	gaagaagccc	240
gtatacgaca	acaggaagcg	aaaggggtctc	aagaagcagg	aggaagacct	cgaagctgct	300
gctgcccgcg	ctcgcgctca	acgtgaggct	gaggaggagg	gacgcagaaa	ggaggaagaa	360
gagaagaagg	ctaaaagctga	ggctgaggct	gctgctgccc	ccgctgctgc	tggtgacgag	420
gagagcgaag	tggatgattg	ggagaaggct	gctgaggccg	aagaagaagt	gaaggacagc	480
tgggatgctc	cttctgagga	cgagggagag	aaaccagcca	caaacggcgt	ggccaagccc	540
gcagctgctc	cccaacagaa	ggccgagggtg	cacgagtcg	aatccgagga	tgactcagag	600
gacgattcgg	aatccgagtc	agaagatgag	gagaagtctg	ccgcgcagaa	ggctatcgct	660
caaagaaagg	ccgaagctgc	cgagcggagg	aagaaacagc	atgaggaagc	attggccgct	720
cgttcgaagg	acaatctcgc	ttctcctatt	tgcctgatcc	ttggccacgt	cgatacgggt	780
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atcacccagc	agattggtgc	tacatacttc	cccgtggacg	ctttgcgcca	gaagaccgct	900
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cttcggggagc	gcaagactcc	tttcattgtg	gcccgaaca	agattgaccg	tctttatggc	1140
tggagaaga	tcgacaacaa	cggttttcag	cacagtttgg	ccatgcagag	caagggtgtt	1200
cagaacgaat	tccgcaccgg	ccttgaacac	acaaaacttc	tcttcgcccga	gcaaggtttc	1260
aacgccgagc	tctactatga	gaacaagtcc	atggcccgcga	atgtctccct	ggttccact	1320
tccgcccaca	ccggtgaggg	tattcccagc	atggtgaagc	tggtgaccac	cctgactcag	1380
gagcgtatga	ccaactcgct	catgtacctg	tccgaagttg	agtgtactgt	tctcgaggtc	1440
aaggtcattg	agggccttgg	cacaaccatt	gacgttgtgc	tttcgaacgg	tattctccgt	1500
gaggggtgatc	gaatcgtgct	ctgcgggtcta	aacggcccca	tagcaacgaa	cattcgagca	1560

ttgctgacac	cagctccccct	taaggaactc	cgtctcaagt	cgcagtatgt	tcacaacaag	1620
gaggtcaaaag	ccgcacttgg	tgtcaagatc	gctgccaacg	acctcgagca	tgccattgcc	1680
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<210> 6585

<211> 435

<212> DNA

<213> A.fumigatus

<400> 6585

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ccaagcccgc	agctgcgccc	caacagaagg	ccgaggtgca	cgagtccgaa	tccgaggatg	120
actcagagga	cgattcggaa	tccgagtcag	aagatgagga	gaagtctgcc	gcgcagaagg	180
ctatcgctca	aagaaaggcc	gaagctgccg	agcggaggaa	gaaacagcat	gaggaagcat	240
tggccgctcg	ttcgaaggac	aatctgcgtt	ctcctatttg	ctgtatcctt	ggccacgtcg	300
atacgggtaa	aaccaagcta	ttggacaaga	ttcgacagac	caacgtgcaa	gagggcgaag	360
ctggtggtat	caccagcag	attggtgcta	catacttccc	cgtggacgct	ttgcgccaga	420
agaccgctgt	ggtga					435

<210> 6586

<211> 372

<212> DNA

<213> A.fumigatus

<400> 6586

agaatatgcc	tccgacagaa	ccagattact	cgcctcgact	tcccctccga	aattgctcct	60
acgctgctcg	aactcgacct	ctacgataac	cttatatcgc	atgtcaaggg	tctcgatgag	120
ttccgggatc	tgacgagtct	agatcttagt	ttcaacaaga	tcaaacacat	caagaatatc	180
tgcgatttgg	tcaatctgac	agatctttat	tttggttcaga	acagaatttc	caagattgag	240
gggttggagg	gcttgacaaa	gttgcggaat	ctagagctgg	gagcgaacag	gattaggggtg	300
ggtgtattcc	aggcggactt	gaagaaggac	tgggctgaat	gcagcaggaa	atcgagaatc	360
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<210> 6587

<211> 1488

<212> DNA

<213> A.fumigatus

<400> 6587

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agcctggacg	gactgggtga	cgctgctacg	agggaaagac	cagcggaggc	aggtgatggg	120
gccagtaagc	atacccttca	tgggcttctt	ggagatagag	acggcgttct	tggactcctt	180
gacagtcattg	ggagcgggac	gcgagatatc	accaacaatg	atgggagggc	gcacgcaacg	240
agatccgtaa	ctctgcaccc	aggcgtgggt	ggtgaagacg	taaccgggtga	gacgctcacc	300
gaagtactgc	accatgtcgt	tacgctcagg	ttcaccgtgg	acgaggacat	cgaggtcaag	360
ctcttctctg	attttgacaa	cctcggcaat	ctcctgctcg	atgaacttct	cgtactcctc	420
agcgggtgatc	tcacccttgg	tgaacttggt	acgctggata	cggatctcct	tggctctgagg	480
gaaggaaccg	atggtgggtg	tggggaagag	aggaaggttg	atggacttgc	tctgctcggc	540
aagacggact	gggaaggag	acttgcggtt	gtgcatctcc	tccgtgacag	cagcctggcg	600
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aagagcggca	ataacagcat	cgagctgctc	agggttgcgg	acaaggtcca	cgtggatacc	1020

atgaaggttg	tgacagagcag	ggagaacatc	aatgttgtgg	acaatgtcac	cgaagtaggt	1080
ggcaaggaca	atgacgaggag	ccttgtcacc	gagagcacca	atcttctcat	agacaggctt	1140
gaaggcagcc	ttggacttgg	cagggagatc	gaaaacgaga	acaggctcgt	caatctgaac	1200
gtcctcgacg	ccggcagcct	tcagctgagc	aaggaggtca	acgtagacgg	gaaccaggtc	1260
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ggagacggga	cccaggatga	cgggacgagt	aatgatgcca	gcctccttgg	cctcgaggaa	1380
ctgagcaacg	ggcttggggg	tagaagcgag	cttgaagacc	tggttctcct	ggagggtagg	1440
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<210> 6588

<211> 1668

<212> DNA

<213> A.fumigatus

<400> 6588

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ggctcgtggtc	tccagaagcc	cgcactctgag	ggctagcccg	ccattgacgt	tcctagcttg	120
gtatggtgct	ccgttccatc	aaccaaaccg	gctcagaagg	ttcccattct	aatacgatat	180
ctacaggaaa	tggtcaagtg	gttcgactcg	aactaccact	acgtcaagcc	taccctccag	240
gagaaccagg	tcttcaagct	cgcttctaac	cccaagcccg	ttgctcagtt	cctcgaggcc	300
aaggaggctg	gcatcattac	tcgtcccgtc	atcctgggtc	ccgtctcctt	cctgaccctc	360
gccaaggccg	accgtggtca	gaaaattgac	cctattgaca	agatcaacga	cctgggtccc	420
gtctacgttg	acctccttgc	tcagctgaag	gctgccggcg	tcgaggacgt	tcagattgac	480
gagcctgttc	tcgttttcga	tctccctgcc	aagtccaagg	ctgccttcaa	gcctgtctat	540
gagaagattg	gtgctctcgg	tgacaaggct	cctcgcattg	tccttgccac	ctacttcggt	600
gacattgtcc	acaacattga	tgttctccct	gctctgcaca	accttcatgg	tatccacgtg	660
gaccttgtcc	gcaaccctga	gcagctcgat	gctgttattg	ccgctcttgg	ccccatgcag	720
gtcctctctg	ctgggtgtgt	tgatggctgc	aacatctgga	agaccaactt	caaggctgcc	780
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gccgtcaccg	agggccctgc	tgctgtccgc	gaccagctcg	aggccaacgc	caagtccgtt	1020
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aagttcatcg	agcaggagat	tgccgaggtt	gtcaaaatcc	aggaagagct	tgacctcgat	1320
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aacgcgctct	ctatctccaa	gaagcccatt	aagggtatgc	ttactggccc	catcacctgc	1560
ctccgctggg	ctttccctcg	tgacgacgtc	caccagtcgg	tccaggctca	gcagctggcc	1620
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<210> 6589

<211> 531

<212> DNA

<213> A.fumigatus

<400> 6589

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aggctgctgt	caccgaggag	atgcacaacc	gcaagtctcc	cttcccagtc	cgtcttgcgc	180
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agaccaagga	gatccgtatc	cagcgtaaca	agttcaccaa	gggtgagatc	accgctgagg	300
agtacgagaa	gttcacgcag	caggagattg	ccgaggttgt	caaaatccag	gaagagcttg	360

acctcgatgt	cctcgccac	ggtgaacctg	agcgtaacga	catgggtgcag	tacttcggtg	420
agcgtctcac	cggttacgtc	ttcaccaccc	acgcctgggt	gcagagttac	ggatctcggt	480
gcgtgcgccc	tcccatcatt	gttggtgata	tctcgcgtcc	cgctcccatg	a	531

<210> 6590

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6590

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aaggccaccg	aggcttactg	gggcggcaag	atctctcgtg	atgagctctt	gagcgagggg	120
aagagacttc	gtgctgagca	ctggaagatc	cagaaagatg	ctgggtgtcg	tatcattccc	180
agcaacgatt	ttgctttcta	cgatcaggtc	ctcgaccaca	tccagctctt	cggcgtaagt	240
tgtcttgatt	gttaa					255

<210> 6591

<211> 354

<212> DNA

<213> A.fumigatus

<400> 6591

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ggcctcctcg	tcctcctgtg	cccctacagt	gaactttttg	cgcccgggtc	ctgtgagctt	120
ttgcagtttg	accctgtcca	gctgctcccc	tacttttttc	tcgatctgct	cgatctcttg	180
ttctggatcg	acggcctcct	cgtttgcgaa	ttccaatacc	aatcttctac	ccaggagatg	240
cgtattcttg	agcgcgtcca	tggcattttc	cgcttcgcga	gcgcttacga	agtcagcaaa	300
accgaaacca	cgagcagacc	ggtcaaaactt	cttaggaacc	cgcacagagc	gtag	354

<210> 6592

<211> 441

<212> DNA

<213> A.fumigatus

<400> 6592

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cgctgcacga	aaatcatcat	caagaactta	ccattccaag	caaccaagaa	agatgtcagg	120
tcgctttttg	gagcctatgg	gcagctacgc	tctgtgcggg	ttcctaagaa	gtttgaccgg	180
tctgctcgtg	gtttcggttt	tgtgacttc	gtaagcgctc	gcgaagcggg	aaatgccatg	240
gacgcgctca	agaatacgca	tctcctgggt	agaagattgg	tattggaatt	cgcaaacgag	300
gaggccgtcg	atccagaaca	agagatcgag	cagatcgaga	aaaaagtagg	ggagcagctg	360
gacagggtca	aactgcaaaa	gctcacagga	accgggcgca	aaaagttcac	tgtaggggca	420
caggaggacg	aggaggccta	a				441

<210> 6593

<211> 573

<212> DNA

<213> A.fumigatus

<400> 6593

tcgctgcttg	gtgactgctg	cgttcttagc	caggcagtaa	gcatttctgag	ggcctcatca	60
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ccgatggcta	ctgactggca	gcccagatgt	attgcgcctc	agcatcagtc	aggtttgagg	180
aacatcggac	accatacaga	tcgagctctc	cagaacacct	cgggcaatgt	acagtcttac	240
tcagacgcta	tccttcacgg	tgggatgagt	ggtcgtgatg	accatctaca	gcactctggc	300
tataaatatt	cccatgcccc	tgtgcatcct	caacccatgc	agactgctac	cactctgcac	360

cctcaccaca	tcctaaacgc	tcgagttcaa	gcaaaaaagc	ttcgacgtgt	tcaatcactc	420
ggccccgaatc	atgctggagc	tcgtagggga	agaagctacc	tcaagtctca	aaagtatttg	480
gagtatcggg	cgcggcctcg	gcgggacact	ggcaaggacg	gggaaccggg	ctggtctgat	540
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<210> 6594

<211> 570

<212> DNA

<213> A.fumigatus

<400> 6594

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cctcagatgc	cgtttgtggg	attccctgcg	ggcacgacga	tgagcgatgt	tcgaaaatcc	180
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cagctcgcg	tgctggaaga	cttctacaag	actgtcgcag	atcgaatcgt	ggttaggggt	300
gaaaagtcct	ttgacctggg	gcaggctttg	ttagtctcct	gcaactggta	cactccacct	360
gaccattttg	agaagctgaa	attttaccaa	ttgactcaca	tggccgtcac	tttggcgatg	420
gactctgggga	tgaacaggaa	gttggtgggt	cgaaacaagc	ctttaccgat	ggtcaaggat	480
atggttatga	agaagccgcc	gtcaatgaat	cttgattccc	cggagacgcg	acgaacttgg	540
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<210> 6595

<211> 462

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (270)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6595

catctcaaac	agggtcaaac	ccccctccac	ctcctcagcg	aagttgccaa	cagccgctcc	60
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cccatcaccc	agacaccatc	ctccgatttg	accgcgcgaa	ccgtcccgtc	tagcactgct	180
accgactccg	acccttggac	tcagtaccct	tccgtctctc	tctcatccgc	gacaaccag	240
gctcaacagc	aagcccaatc	gcgccagtn	tactcgctt	tcaactcgaa	ttaccaggat	300
atgtcgtctt	accctgacgg	gggcattatg	atgatgtctc	cgatgaacca	gggattcttt	360
gtgccagagt	taggaatata	ggttgggttc	gactcgggga	atatgtttgc	gctggagcac	420
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<210> 6596

<211> 378

<212> DNA

<213> A.fumigatus

<400> 6596

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cctaccagac	gtggcaagcc	tcataactaa	tctgtgcaa	atttaactga	caacaaagtc	120
acgtcgcgtc	gatgtagcaa	ggtaccgcac	gtgtccgaca	ggtgccagct	agtctgtacg	180
gagtattgct	acatccgtcc	agtccctatg	ccctgcaacc	gtaaacagca	catgtatgcc	240
gtactagcat	tcatgaccac	tggtgtgctg	aactgctggc	agggtgagcg	tgtgatgact	300
gcaaacagcg	agggtgcacc	tggcgctcgat	gtcgatccct	actccggcca	gagcaatggc	360
atgttggtcg	acgggtga					378

<210> 6597
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 6597
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 cgagtggact tcaaactgat tcccctcctc aaaggactca agatcggaca aatcgtctcg 180
 cagctaatacg aaagtcatga ccttaccctt aatcctgaag accccgactc tgtccgcaac 240
 acatacaaaa acaccaggac aattgtcaat gatgaacatg agttggatga agaaggcaat 300
 ctcgagatca tcgacgaagc agccgagggg taccaatttt ctcgcttcct tgacctacca 360
 aagacgttaa cacgctgtct gcaagatacc gacacacgag gtatcaaaat cagacacaaa 420
 ttgaagttcc gtgttcaatt actgaatcca gacggtcaca ttagcgaggt atgtactcca 480
 cctctcagga atgtgtaa 498

<210> 6598
 <211> 864
 <212> DNA
 <213> A.fumigatus

<400> 6598
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 ctgcgacaac aggcgcccc cttgtacggc gagcatcagt tcgatcaatt atatagcgag 180
 gtcgacccta gtggctaccg cacaccgggc cggggcagcg gaccggggac tccgtttggg 240
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 gatattctctg cttctgcctt gcatagtcga ctgtccaact tgcattgctag caggttcagc 360
 aacccatcgc catctgatgc tgacggccat accgacgtcg aataccgtcg tctgggagtc 420
 tccaccgact cctttggccc ctcttgtggg tccaattcgc aaagtccggc gagtcccgaa 480
 ctttcccgca gaccttcgga tgagggtac catgaccatg attacattcc gtctggaatg 540
 gccacaccgt tccaccaca gttcgctgaa gttgaaagcc tcagtcgcgt cccaagctat 600
 tcgactgcgg tcagatctag tgtgggacca tgcgacagtg aactgccaga ttatcaggct 660
 gttgttgccg aggataccgc catgcctaca ctccagtccc ctcaacaagc ccacattcgg 720
 agcggttgcc gtggagtctc gacgggacac accggcatcg atgtacatca cttgcgatcc 780
 ggcttcttca actctcggac gtcagctcat catgacgacg acgatcgcat actgcgtctc 840
 gtacaagccc gcgctcaggt gtaa 864

<210> 6599
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 6599
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 gatgccttgg tgcaaccgga aagcggtaaa gctcagacac ttatcgcgta cagcactgcc 120
 acaatttgta ttcaattcgg gaattacctg agccacttaa gtcacgacc ctatcaactg 180
 tttcttcagc tgatctccaa gaccagatga 210

<210> 6600
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 6600
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aaaatgcacg	tctggttccg	ctggatcttc	tatctcaacc	ctggcgcgta	cgcttccgag	120
gccttcatgg	ccaacgagtt	cgtgggcaaa	tcgcttcagt	gcgtgcagcc	ggactatatt	180
ccctatggat	ctggatattc	cggctcggaa	tcgccgaacc	ggggggtgct	caaatcccgg	240
tag						243

<210> 6601

<211> 1512

<212> DNA

<213> A.fumigatus

<400> 6601

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tttccaacga	ccgcgaatcc	ttcgacgaag	tcacgcggcg	aaccgcgatac	ggcagtatgg	120
acccatggtg	ttgcgagacg	cttccgcgag	cagatcatgt	tcaacaatga	ggacgacgtg	180
catttcccca	cgctgacggt	caaccgcacc	atgaagttcg	ccctgcggaa	taaggtgccc	240
cggaacggc	cagatggaca	aggatcgaag	gagtttgtgc	aggagcagcg	ggataacatc	300
ctctcagcgc	tgggaatcag	gcacacgaca	aagacactgg	tgggaaatga	gtttatccgc	360
ggtgtctccg	gtggtgaacg	aaagcgggtg	tctctcgcg	aagtgattgc	cggacagagc	420
ccgatacaag	tctgggataa	cccgaaccag	ggccttgact	ccaagacggc	agttgagttt	480
gctcgtctgc	tgcgccggga	ggcggatatg	aaccagaaga	cgatggttgc	tactatgtac	540
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gtgacctact	acggaccgcg	ccagctggca	aagagctact	ttgaggatat	gggctttgtc	660
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cgccagttcc	agatcatggc	tggggatcga	ctgtctctcg	tcattaaggt	ggtatcagct	1020
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ttccgcgcgg	taggcgccct	ctgcaagcga	ttcggcaatg	catccaagat	caccgggctg	1440
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<210> 6602

<211> 531

<212> DNA

<213> A.fumigatus

<400> 6602

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gggatcgact	gtctctcgtc	attaaggtgg	tatcagctat	cctgcaggcc	ctggtatgcg	180
gaagtctatt	ctacaacctc	aaagacgaca	gctcgtccat	cttctcgcgc	cccggcgccc	240
tcttcttccc	agttctctac	ttccttctcg	agtcctatgc	cgaaacgacg	gcctcgttca	300
tgggcgggcc	cattctctcg	cgccagaagc	ggttcggatt	ctaccggcca	acggcattct	360
gcacgcgcaa	cgccatcacc	gatatccccg	tgggtcgtgt	gcaggtctct	tgcttctgca	420
tcacctctata	cttcatggcg	gcgctacaga	tggacgccgg	tcgattcttc	acctattgga	480
tcacgtcat	cgccaacact	ctctgtttca	tgcagatgtt	ccgcgcggta	g	531

<210> 6603

<211> 768

<212> DNA

<213> A.fumigatus

<400> 6603

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gacgcaatgg	ccatcgagca	acacacgtcc	gggtgggaca	acttcgtcgc	caaacatggc	120
aacgtcgaat	tcgtctggct	acaattcatg	tcctaccgca	gtctagtcta	tacgcgcatg	180
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gcggtcatta	tgtgcgactt	tgtagacgat	gacggcacgc	atagcttgca	gtgcgcaagg	420
tcgcgactga	gatatctgga	ggagacactg	ttgagcgagc	tgaagtgtc	agcattggtc	480
ggctttgaaa	tcgaggtgat	gttcatgcaa	gctgagaaga	ttaatggggc	tgtgcggttc	540
tccatggcca	attacgagca	ttcgtgggtcc	agtatgaccg	ccgacgacga	gtcgatgctg	600
gagatgctgg	agaccattgc	gcgacgctg	gctatggcag	atgttcctt	ggagcagttc	660
catgccgaag	cggcaccggg	acaatgggag	tttgtctctg	cgctgcgag	gcccatccag	720
gccgccgata	tcttcaccac	ggggctcgaa	ggtgccgcgc	tagcgtaa		768

<210> 6604

<211> 222

<212> DNA

<213> A.fumigatus

<400> 6604

cctcaatgcg	ctaaccgcaa	gogcattcag	gaactgagtc	ccagaagcag	tacgaatgag	60
ttccgcaagt	tcattcggaa	gctgctcaag	gatctgggac	tcactaagaa	gcctctcata	120
ggcagggttt	tcattcatta	tgtaccctgc	cgccagagga	actccagtga	tatggaacga	180
atggacaaaa	aatctcgaca	cgccggaatg	aaagatatgc	gc		222

<210> 6605

<211> 1149

<212> DNA

<213> A.fumigatus

<400> 6605

agtctatggg	ttacccttca	tctaaacgaa	caaacagacg	cgaagagtct	cctcggaatg	60
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gcaagggaag	gtcgctggat	tttgatcgag	gatattgacc	gtgctccatc	tgaagtcac	180
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attaagtgcg	ccgagggttt	caagatcatc	gcaactatga	agtcgaccta	taatattgcg	300
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atagactcgc	tttctataga	agaaattcga	gaggtgatca	tcgcgaaatt	ccctcttctt	420
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cccgaagttg	tcgaggatga	gatatttctg	gacgttggtg	atgtcttctt	tagatacatt	660
cccgagaaag	ctttggcgga	ctcgctcgca	ttggttgctg	cggaagcact	ccagatatcg	720
ccacaacggg	cgcaattctg	tcttcatgaa	cggaccccag	cctattcaga	ccatgggaac	780
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gggaaaacta	cagtcgttca	acaacttgca	aatttgatgc	ggcagaagct	cacggtagtg	1020
aacttgctgc	agcagagcga	aagtactgat	ctgctgggtg	gtttcaaacc	tgtcaatatt	1080
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cacgggttaa						1149

<210> 6606
 <211> 612
 <212> DNA
 <213> A.fumigatus

<400> 6606
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 cctgcttgca agaattgtac caacctttgc gtccgtttgt agtacaagcg gccggattgg 120
 tgggcgagcg cagagcaacg gcgggttcag aaagagcgaa tcaaggcccg gatcaggcaa 180
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 gtccatcgac tttgtctgaa cctgtctact ccagatttca tccatcgcca tctgccacct 300
 cgagtcactg tgggatatga tttcagtcaa cctgtgcttg tccacccgta tcaggcatac 360
 gactcataca ccagccaatt ttccgcttcc aatttgatgt cgacggctaa tgctaacgat 420
 cgacctgaag ctgcctttgc gactgaaaac aagaacattt tgaatggtgt gcctactccg 480
 ggattctatg gcatgccgca gcctcatgaa gctctgttca attctcccgg ctatgaatgg 540
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 aagttaacct ga 612

<210> 6607
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 6607
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 tttgctgtcg ctgagtcggt ccttgacaag cccttctcct ctgatcccag tatcgatgga 180
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<210> 6608
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 6608
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 gcatacgctt tctctccatt atcgcataga ttgacctta acctcagaca gttatgtcaa 120
 ggaaccggat ttatgacgga ttgccttcgc ggggaatgga agagactttc cagccccatc 180
 tacaggcagc agcagatctc atgggacaaa tggacgtgta tgctgttatc acgtatggat 240
 ctgtgtcggc gaagatga 258

<210> 6609
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6609
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 tccatctcac gtcacataa tgttgatcaa agacatctc actgtgacag cccttctgtc 180
 ttc 183

<210> 6610
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 6610

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aacttcatgc	accttcagct	gatgcacgag	agcttgacgc	ggttcagtga	gagctttgcc	180
agcttcctct	atggtttgaa	tatgaatgcg	ttctgtgtcg	actttccgga	ggtatgttca	240
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<210> 6611

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6611

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ctatctatct	ttctgatatt	tctctacaac	atccgtggaa	cggcttcttc	tcgtgctgtc	120
accttcggca	tcattggctag	cattacttca	gcacccgtct	tcaccagccg	ggctggaaaag	180
acaagcgct						189

<210> 6612

<211> 414

<212> DNA

<213> A.fumigatus

<400> 6612

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cgtgtatggg	acgtcttcat	gctcctcggc	gatgcggagg	aaccaccgcg	caaaggaacc	180
aaccagtccg	agccaccagt	cacaagcgcg	tttggcaggg	gcctggacgt	cctccatgcc	240
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gccatgaagg	tcctcactat	ctgggtccct	atccaagacg	tggaactttt	catgcgagtc	360
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<210> 6613

<211> 744

<212> DNA

<213> A.fumigatus

<400> 6613

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gttccgcctc	agatgattcc	gctcatcttc	gccggaatca	ctgggtggcag	ccttccccag	180
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caaccgattc	ctgggcctgc	tctgtctcag	cctctcacta	cccatggacg	ttctcccacc	480
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ttgtctcgga	tcaacggcga	cacaccttcg	cagcatgttc	cgctcacgct	gagtgaatca	600
aagtatgcaa	ccggctcttc	acttctctcg	tctcagccgg	tgggagtcga	acaagaacag	660
acgcgcgggc	attctcctcc	atccttatac	ttttcaccaa	tgggggtccac	ggggccagcc	720
cctcccagca	aagaaccaac	atga				744

<210> 6614

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6614

tctggacgga	caagttctcg	ggagacgggt	cggtttttgg	ataaccttgc	ccgccgggat	60
atcaagggat	cccgatacga	atggggaccg	caaggcccca	ggtaccaagg	ggctgtggaa	120
ggctcgtgca	cttattttccc	tgatctcgac	ggggatggcc	gtgccgacat	gcatagcatt	180
tgggattcca	tcaacaacac	cgcgacagaca	tgggtacaacc	aatgtgccat	caaagatcac	240
acaggcgatg	acggcccaat	cactgacccc	aatctacctg	tatctcctgc	cagcatcgac	300
gtcgtccctc	actag					315

<210> 6615

<211> 1311

<212> DNA

<213> A.fumigatus

<400> 6615

tgcaaacgga	acaacaacgc	ctatcaaagg	tctatcaatc	aatcaatcaa	tagtgatgaa	60
ttattatcgc	ggggttcaga	aattcttaat	ctcctcattc	ggtcttttcc	ctcaatatct	120
tccaccaaaa	tgctccaac	gctgtgttcc	aactgcaagg	aagccagagc	tggtattatc	180
cgctccaaga	accggcaca	gctatgcgc	gcctgcttcc	tccaagtttt	tgagactgaa	240
gtacacgaga	caataacctc	ctcctccctc	ttttaccccg	gcgaacgggt	cgccatcggc	300
gccagtgggg	gcaaagatag	tactgtgctt	gcgtcagtc	tcaaaactct	caatgagcgc	360
tacaactacg	gtctagaatt	atgtctgctc	tccattgacg	agggtatcaa	gggctatcgc	420
gacgatagtc	tggagacggt	caagcgcaac	gcggtccagt	acgatatgcc	gctggaaatc	480
gtcgggtata	gcgagttata	cgggttgaca	atggatcagg	tcgtcgagca	agtcgggaag	540
aagggaact	gcacctactg	cgggtgttcc	cggcgacaag	cgctcgaccg	gggcgctgcg	600
cgactaggca	tcaagcatgt	tgtcacggga	cataacgcag	acgatgtagc	agagacggtg	660
atgatgaatc	tactgcgagg	agatctgccg	cgtctgtcgc	ggggcactag	tatcgtgacg	720
gactcggcgg	cgctcgatat	caagcgacgc	aagccgctca	agtatgcgta	cgaaaaggag	780
atcgtgctat	acgcgcacca	caagaagctt	gattatttca	gtaccgagtg	tatctactcg	840
cctgaagcgt	tcagaggcag	cgccccgacg	ctgatcaaag	acctggagaa	aatccgcccc	900
agctcgatct	tggatattgt	caagagcgga	gaggacatgg	ctgcgctggt	gccgttcgag	960
gttagttcga	gcgggaaaaa	gtgcggcgcc	actaatgttg	ctactgctac	tcagagggac	1020
gatgaatcgg	cgggtggctg	tggtaatcaa	aacggctcgat	cgagcggtgg	cgaaataacg	1080
gagatggaga	agaagcttgc	agaagatgac	gccgctcagt	tgagagagac	cgagatcaag	1140
ctcccggttg	ccccaggag	aaagagcggc	aaggtgaata	acccgagagc	gatcaagaat	1200
ccaccaatgg	ggcaattgcg	agcgctgcgg	atacatctca	agccagaaga	tctgcaaagc	1260
gtgtatgctc	ctggacgggt	tgaacaagaa	ccggcccaag	aacgcgattg	a	1311

<210> 6616

<211> 216

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6616

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aagaacgcga	ttgaagtggc	cgctcggaatc	naggaggaag	aaagcagctc	tacgctcatg	180
agacagatgg	agagagtcca	gttgaacacc	ggctaa			216

<210> 6617

<211> 1191
 <212> DNA
 <213> A.fumigatus

<400> 6617
 agacagatta tctttgtgat tgaccgcagt ggaagtatga tggacaaaat cgacacgctc 60
 aagtcggccc tcagagtctt cctcaagagt ctcccggtag gagtgtgttt caatatctgc 120
 tcatttggca gcaggcactc cttcctctgg aaacagagcc ttttctacac tgccgagagt 180
 cttcaggaag ctctgagctt tgtcgacggt gtccgtgcaa atatgggtgg aacggagatg 240
 caggaggccg tcgaggccac ggtccgcagt cggatgaagg acaaggaatt ggaagtcctg 300
 atactgacgg atgggcaa atctggaaccaa cagacactct tcggattcat tcgcgagact 360
 gcagctgaca acggtgcgcg gttcttctcg cttggaatcg gcaacggggc gtcgcatctg 420
 ctgctcgagg ggatagcacg ggcagggaat ggcttctcgc agatggtggg gaactacgaa 480
 gagctggaca ggaaggtagt ggcgatgctc aaggggagcgc tgacgccaca tattttcgac 540
 taaaaactgg aaatcgaaca tgatgacctt gtcgaggagt ttgaggtcgt tctcccggag 600
 cggccaaggg ccatgcctgt cgacgaggca gaaatgaaac aacagccgat ttctctcttt 660
 gatgcagact acaaggagga cgagcaaaaag acggacgaag aggccctgcc ggttcttaca 720
 cctccccaaa cccttcaagc gccgtacaaa atcccacttc tctacccttt catccgaacc 780
 acagcatacc tcctagggttc agcaaacatg cagaatccca aagccctcat tttccgagcc 840
 acctcaaagc aaggcccgct tgtcctgcgc attccaatca acgacattgg cacgggagag 900
 acaatccatc aacttgctgt tcgaagagca atgatcgagc tcgaagaagg acacggctgg 960
 ctgcgggccg caaccagcaa cggaactca ttcgataatc tccatccac ctcgaaagaa 1020
 cgcacatcgc cccgcgaatg cgagaaactc ggaacccagt tccaagtaac aggcaagcgc 1080
 tgctcgttca tcgctctcga gaaagacagc acctcggacc aggagaaaga gacggatatt 1140
 ggtcttctcc acgggggtgg aaggatcagc ggctctggct atacaatata g 1191

<210> 6618
 <211> 1275
 <212> DNA
 <213> A.fumigatus

<400> 6618
 accacacctg caattgatcc cctgtcaaca atggaactgt ttcgtctcct gctttcgcac 60
 ccggtatctt cggccgtcgc tctcggggca gtctatctgc tctgggtggg cctcgaccgg 120
 ctgtatctgt ctcccattgc cggtttccct ggacccaaac tcgctgcgtt gacctatctg 180
 tatgagttct atctgggatac catttgctgc ggacagttca cttttcagat tggctcgtctc 240
 catgagaaat acggtaagcg taatcctctg acctgtcggc tgcgttctga atgcaccccg 300
 tcaagttcga tagatcactt cttggcgttt atccttgtcc gttatgacat ttcgactgtc 360
 caactgtact catgtcatac aggccccatc gtccgcacac gcccgaccga actgcacatc 420
 aacgacccgg actactacga agtctcttac tcgcgcgaca gcccccgcaa caaatatgaa 480
 tactaccaga agacgctcaa cgcgccgctg gccctcctca acaccatoga ccaccacctg 540
 catcgccagc tccgcgcccc gctgaacccc ttcttctcca gcacgcgcat ccgcccgcag 600
 gaaccggcca tcaaggccct cgtcaacaag ctctgccgcc gccctcgacga gctgaagaac 660
 accggccagc cgtctaacat cgagcacgcg ctacacctgt acaccaccga tgtcatcacc 720
 gactacagca tgggcatgg gtaccactac cttgacgcgc cggacttcat ccgcagtggt 780
 cacgggaccc tcaacggcac cgccaagacg atggtgttta tccgtccggt cgcgtgggcg 840
 ctgccgctgc tactcgccct gccggaggca gtcacggcgt ggctgaaccc cgggatggag 900
 ctgtttttcg atttccagcg ccggtgccgc aagatgatca agcggattgt ggcggctcac 960
 aacgagaagg gcaaccaggg ggtgcagaac gaggggttcg tgaatatctt tgacgatatc 1020
 ctgaggagta atctgccggc gaagaacaag agcgagactc gactggcgca ggagatgcag 1080
 gtgcttgttt cggctggggc ggagaccacg gccaaaggcg ttacctatat tctgttctat 1140
 ctgctgaatg acccgagac gatggcgaag ctcaaggctg agctggagac ggtgggagag 1200
 gaccggcac tcgttcaatt ggagcagttg ccctacctgg tgagtcactt ggcaacatgg 1260
 ccaaggccag gttga 1275

<210> 6619

<211> 471
 <212> DNA
 <213> A.fumigatus

<400> 6619
 gacctcctca ggggtctatat gaggtgtaca cttgtgacac atgtgatgtt tatcagacac 60
 tcagacacccc tcaagtcggc cgccaaaatg gtcgcggcgc ccatgatgga gttctacaac 120
 aagaaccaga ctgaaggcat cccgggcaag ctaacggaca cctgggatgt ggcggggcgc 180
 atgttcatga ttctcatcca gtactgggtat gcctccagcg atgacaccta taatactgtt 240
 gtgtcacatg acctgatgtt ccagtcgggt gagaattatg acttcttctc aaaaaattac 300
 agtcaactgt tggtagggag acagatctgt ccccatatct tatccatgtt aacctcttct 360
 agggtaatga cgatcagatg ttctggggac ttgcctccat cactgcttca gagactgggt 420
 tcccagagat cccagacaaa cccacctgga cctccttggc gcgggcagtc t 471

<210> 6620
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 6620
 tatctagtgc ttgtgacagc aataactcaag tacaagcctg tcacagcgtt gatcaatgag 60
 accaacgcaa tgatecgttc taccgcctg ctagatttgc ctagatatca gacagctcgc 120
 ttaacagtca cactccaaga cgaaaaaaa gtcgatcaac cgctgtgttt accccaaaag 180
 gaaaacaagt gctaa 195

<210> 6621
 <211> 1263
 <212> DNA
 <213> A.fumigatus

<400> 6621
 ggccgaagac ggtcagcgtc tctgaccctt ccatcgctctt ctggctggat gccgcctgcc 60
 ctcaaaggct gaaggtattc atcacttctt ctccgagcag atggattaca tgctgagact 120
 cagaagtcgt ttcttgatag ctatgtggat gaaccagaag aagcgattgt caattctcga 180
 ctcaaaagcg atcatcgtat ttacctagac gaacagacag acgatggacc tcaacatcat 240
 gatgaaatca agaacttgggt tctcaacttt ctcaagacca tccgaagaca acataccatg 300
 aaactgactg tgtttcgtaa cttcgcaacg gacattgttg gacgcagtgt tgtgggcgac 360
 cttggagatg accgagcagc acctataggt actcgtgcaa accatataga tagatgccga 420
 tttaacaacat ccttgatca tattatgttc aagagtccag ttgctaagct aaagcgcaaa 480
 cgcaacaagg gcctaagatg gatttctgct gcagggacct attcccggtg gaatgatgctg 540
 tctatcgtcg acgtcttgcc ggagacgggc agaaaaacaa ttctgcaggc agaaaccctg 600
 gaatatgatg gtccgtacga ctctctgatt gtaaacggag cggactgcat ggctgccgca 660
 ttctgtttcaa tgtttcgcca tttgttcaag tgccctacgg ctatgtttca gctccaggac 720
 gaggtagaca acgcatttct caacttgact atatctgacg tccttcatca agagacagag 780
 ttacacgccc taccatttct ggatgctgtt atgaaggaat cgatgcgact tgccatgaaa 840
 tttgattatc gaagagctgt ccttgcgggt ggttttagcag tcttaggaca ttatgttctt 900
 gaaagaacgg tcgctcagtt ccattcagag gctttaagaa acaatcgtae taccttcgga 960
 gaagacgtct ctgattttct gcctcaaaga tggctacagg cggacttggg tcaatggcaa 1020
 cggacacgaa tggaggaagc attgttgttt ctgagaccga atatccgaa ttctgcagaa 1080
 gctcagagcg cttggctaga attgaagcga cgtgctgctt tgatcatctg gaagtttgat 1140
 gtaagtacag tcggcagtc tgcagaagtc aaactaatat atttcagttg catcctctca 1200
 actatgagga agtgttctac caagatgctg tctctccaga gcaagaatac gagatcatgg 1260
 tga 1263

<210> 6622
 <211> 2484

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (36), (198)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6622

ttgggaacct	ggcttcccca	aggaggccta	cccttntacg	gcaagggccg	tccagtggat	60
tctcagaaat	cogtttcggt	cctaaaccga	tacactttct	cctgggcgta	tagaaccctt	120
tccatcgcg	cacagaatca	acgactcaac	attgatgacc	tcccagttac	cggagacgaa	180
gttcgtgcac	agacgctntc	cagctctttc	tatgcagtca	gcgagcctc	ggcgcaatgg	240
aggaggtggc	ttaagctgta	ccgggcagag	atcacctatc	aggtaatcct	gcagctcgtc	300
gccaatgcgg	tcaacttcct	ccctcagttc	ctcctcctta	ccatctttcg	catcattgag	360
gaccgtgatg	cgggagcaag	caaccagttg	caagatgggt	tggctgccat	aggtcttggg	420
ctatcgatgg	tggtcacctc	atggctccata	tccttgagag	actttgtagc	tgatatgaag	480
ctttctctgc	cgatcaatga	acagctgctc	gcggtcatat	ccaagaaagc	catgagcttg	540
aaggatgtcg	tgatctctgc	cgagatagc	gagaatgagg	atgctgagag	cgacaaagac	600
gacgatgatg	ccgatgacga	tgctccaccc	aggacaaaac	attctgtcct	caatctcctc	660
ggcgtagacg	tggaaaagagt	ctccgagttc	gtcgccctaca	gccatctgct	tctcgactgc	720
gtgcttgagc	ttagcatcgc	catcgtcttc	ctcgtatacc	tgatgggatg	gaaacccatc	780
gcggctggct	gcgctatccc	tgctcttctt	atacctttct	actaccattt	aacgaatcgg	840
tacagtgaac	aggaacaagc	cctcatggac	cgccgggacg	acaaatcttc	gaatctgacg	900
gtcatgatgc	gcggcatacg	gcagatcaag	ttcagcgcg	tggaacacac	atggtacgac	960
aaaatcctgg	gattgcgcga	aaaagagctg	cgtaaccagt	acactgtcct	ccaactcgac	1020
gtcttctctga	ctgccatctg	gacgctcggc	ccgctgtgca	taagctgtct	ctccttcgcg	1080
acgcatactt	acctgaatgg	ctcaattgcc	gtctcagttg	cgttcacgcg	gctgtcgctc	1140
tttggaaatc	tacagagcgt	gctcagcatg	ttcccggaga	tgtttaccga	actactggat	1200
gccagggctca	gccttcggag	aatcgagggc	ttcctagatc	tggaagaaca	cgaggacaag	1260
aggggtgcggg	gtgacgctat	gtcatttcgc	gacgcaacca	ttgcatggcc	gtcagctggg	1320
tcagaagacg	caacagggca	gttcagctc	acgggtctca	atctggacct	ccctccacct	1380
gagctcacag	ttatttccgg	acggagtggg	gttggcaagt	cactactcct	tcaagcactc	1440
attggcgaag	ccgacatcgt	aaaggggact	gcaatcgctc	ctcactcatc	agccaccaat	1500
cggccagctg	gcgaggaaaa	ctggatagtg	gatgggtctg	ttgcctatgt	ttcccaggat	1560
ccatggattg	agaacgcaac	gatccgggat	gccatcttgt	ttgggctgcc	gtttaacccc	1620
gagcgctatg	acaaggtcat	tcacgcctgc	gcgctctcgc	atgatcttca	gtcgtttcct	1680
gacggcgata	gaacggatat	tgggtgctaat	gggatcaatc	tgagcggggg	gcagaagtgg	1740
cgtctggcgt	tggcgagggc	gctgtatagt	cgtgcgagta	ttctcgtttt	ggatgatata	1800
tttagtgcg	ttgattcgaa	tggtggacgg	catctctatg	accatgcttt	gactggcagt	1860
cttgcgaaag	agcgaactag	ggtcctggcc	actcaccatg	ttcgattgtg	tcttggagga	1920
gctgcgtacc	tgggtgaggct	ggagaatggc	agagttgtgc	aagcagggca	tccatccagt	1980
cttctgcaag	acgaaactcc	cgaccaaaga	ctcgatgaca	gcacatcaga	cccgtcggat	2040
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cagcccaaaa	agtactacga	ggaagagaag	cgagagcggtg	gtgtgggtcag	ggccgaggtg	2160
tacaaggctt	atatgaaagc	ctccgggggc	tactctcgct	ggattctcgt	cgccgtcctt	2220
tgcattcttaa	cgctgatact	gaacctggca	gctccgtact	gggtttcaat	ttggaccaga	2280
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aggactgggtg	ggctgcattc	ggaccatcgc	cttgtctact	atagctcgat	ttacttcgcc	2400
ttggcatttg	catcgtggat	cctggacatc	atcaggatcc	agcatgatcc	tcgtgtctac	2460
aagcagcgcg	aaggtatgag	acgg				2484

<210> 6623

<211> 285

<212> DNA

<213> A.fumigatus

<400> 6623

cccgcgcccc	ccatcacact	tagcgctggg	cctggcagcc	gtgtgagtga	acacgagcca	60
agatatgaca	ggatcatgca	agactacgac	aacattaaga	gaggtcatgt	tgaggacagc	120
gtcaatgaag	ataagagcac	tgccgccaag	atcttgcaag	acatctacgc	ccaagtactt	180
aacctccctt	caaacaaggt	agaccccaag	cggtcgtttg	tgagcctagg	taagtggatc	240
attgtccgtc	tcatgaagaa	gagaggaaaa	gaggctgact	ggtaa		285

<210> 6624

<211> 675

<212> DNA

<213> A.fumigatus

<400> 6624

agcgacacgc	taatattagg	gtcagatttc	gtcgacacga	caaaacgtgt	gaaggaccta	60
aggcggaaga	tcaaagacaa	cggccgatct	tacttcgctc	gcagccttct	ccaggccaac	120
aataccgagc	catcggactt	cccagttccg	ttggaaatcg	ttttcaacta	tcttggtcgt	180
ttgcagcaac	tgagcgcgca	cgactcgctt	ttcaagcact	atggggaggc	gttcgacgag	240
gagaagttca	gattagccgg	agatatggga	tcagataccc	cccggtttgc	cctcctggag	300
atttcgcgac	ttgtcgtaaa	cgacaagctg	caggtttcat	tcacgtacaa	ccggcaaatg	360
cagcgtgaaa	gccagatctt	ccaatggatt	tcagagtgtg	gaagagtact	tgagattgat	420
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accttcagcc	aagtagagga	tatctatcct	tgctcatcag	tgcaagaggg	tattctcctg	600
agccagctcc	gggatcccag	tgcgtacatg	ttccatgtgt	gtcgtctaca	cgccgaagct	660
ggaaggacac	gcgct					675

<210> 6625

<211> 435

<212> DNA

<213> A.fumigatus

<400> 6625

ctggtaaaca	caggcggtga	tagtattact	ggaatggctg	tcatttcccg	agctcgcaaa	60
caagggtcga	acctgacact	tcacaagatc	cttcaaagca	agtctatcgt	tgagctgatt	120
aagcagcgg	aagttagagc	ctcgagcatt	caagtcgagg	agaaggccaa	caaatacttt	180
tccctttctc	ctatccaaaa	tttgtacttc	aaatcagcac	gcaccttcaa	ggaaacaggt	240
cgcttcaatc	agggatatgac	tgtgcgcggt	actcgaaaagg	ttgagccaaa	cgttgtcaag	300
gatgcactca	aggcagttgc	cagccagcat	tccatgctta	gggcaagatt	cagcagatct	360
gcaaacggaa	aatggcagca	acggattacc	aatgtacgtg	caaaccaact	cactgacgtg	420
gtcttaagga	gctga					435

<210> 6626

<211> 708

<212> DNA

<213> A.fumigatus

<400> 6626

ccgatcacac	aggatatcga	gtcatctgtt	cgtgttggtg	ttcactcagt	catgagctcc	60
catgagatgc	tgggcaagat	tgccaatact	cagtcgtctc	tgatatcgga	gaatgggccc	120
atcattgcgg	ccgatctggt	cactgttaac	ggcgaaacaag	tccttttccct	ggtcgccaat	180
cacctgtgtg	tcgatatggg	ttcatggcgc	attatccttc	aagacataca	ggaggtcatc	240
gaagctgggt	cgctgtcttc	tgagaaaccc	ttttcgttcc	agagctgggtg	cgaactgcaa	300
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aaccttagct	actggggcat	ggagagcgtg	cccaatcatt	acggacaaaat	caggatggaa	420
tccttcggtg	tgggcgaaga	cactacttcg	tttattctgg	gtgactgcca	cgagatgctg	480

cgcacagaaa	caatcgatat	cctgcttgct	gcggttgcg	agtcattccg	tcgggtcttt	540
acagatcgca	gaatgccaac	cattttataac	gagggtcacg	gtcgtgaatc	gtgggattcg	600
aaccttgatc	tctcacggac	tgttgggtgg	ttcaccacgt	tgtgtccact	acagggtggac	660
gaatgctcag	gtaaataatc	tctcgaaaaa	tctagagcga	cacgctaa		708

<210> 6627

<211> 825

<212> DNA

<213> A.fumigatus

<400> 6627

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cggctggaag	tcgacgcccc	cggcttcgcc	aactcgcgca	tggcgcccg	ctgcgcccg	120
gccggcgctc	tctgcgacat	ggaggccttc	atcagggaag	tctgccgggt	caagaaagag	180
cgggagcgcg	acgaaaacgg	caaaatcatc	aagccgcccc	agggccaaaa	accgaagctc	240
gtggatgtgc	ccgattttga	caaggttgac	tgggttcaca	tcggcgaggg	cgcggaacctg	300
aaggtcttca	gcaccgagtt	cgacaagtct	ggcttcaagg	gcgactttct	caatgacaag	360
atcttcaagg	gctgggaaca	gccggatacg	ttcaaaacgg	tcattgtcga	ggccgaggat	420
attggcacca	aggccattgc	caagctccac	gccgacggca	aaacgcccgc	cgatgaccgg	480
atcaataaga	tgatagctgc	gctccggggc	cacgccgacg	cccggcgcta	cgatcaggca	540
cagaagatca	ccaaggcggt	cgcgaggttc	atggagaaga	aggggttcac	cgtcgcgtac	600
acggatccca	tcgagaggcc	gccagtgccg	gggtatcgga	agattgacgc	ggacaagacc	660
atcagcgata	accaggggca	acaggggttt	gacaagggtg	agcaggaggt	gaaggactat	720
gtcagcaaat	ttaatacggc	gggacaatcg	ctgagccatg	tcgaggcgat	taccaagacg	780
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<210> 6628

<211> 564

<212> DNA

<213> A.fumigatus

<400> 6628

attagattac	aatggcttca	aaaagtcttt	attcctgcta	ctaccagtcg	tacaactgg	60
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atctgcactg	agaatgatat	tattccaatc	tgcattgcctg	catattcatc	acatctcctc	180
cagcctctag	atattagcta	tttctctcct	cttaagcgtg	cgtatagccg	cttgattgag	240
gataagatac	agcttagttt	caactatatt	gacaagtttg	atttccttga	ggcctatcca	300
caagctcata	cagcaatctt	ttcagcagat	aatattaaaa	gtggcttttc	agcaactgga	360
ttaataccac	tgaatccaga	tcaggtgctt	agtcagctta	atatccagct	tagaacacct	420
acaccaccag	gcagccgac	aactaattct	atcccaaaaa	caccttacia	tctcaagcag	480
ctgaagaagc	agggaaacta	cactttaaga	agctacttag	ggagcgtaca	tacagccctc	540
ctacccttac	aaaggctgtg	ctag				564

<210> 6629

<211> 444

<212> DNA

<213> A.fumigatus

<400> 6629

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aagaagctac	ttagggagcg	tacatacagc	cctcctaccc	ctacaaaaggc	tgtgctaggt	120
cagattatca	aggggtgtga	gatggcaatg	aataacgctg	cccttcttgc	aaaggaaaaat	180
tatgatctac	gtgctgcaca	tgaaaagcac	cttcaaaagc	agaagcgatc	taggcggcag	240
atagaaaactg	cagtgggatt	atctatccag	gaagggcagg	agatcattca	acgcagggat	300
caggctgctg	aagctatccc	aactatccct	ccagagcagg	tagtagatac	agaacaacgc	360
cctcaacggg	cacccccacg	ctgcagtgac	tgccatattc	taggccatag	gcgattgcaa	420



tgtccgcagc gcaagaataa ctag

444

<210> 6630

<211> 1338

<212> DNA

<213> A.fumigatus

<400> 6630

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catagagtcc	tctccaaagg	taaatgtgat	ccagcggcga	gcaagattac	gccccagaat	180
gagtatttta	ttattcagca	gtacaactcg	gccatccggc	atctggtggc	acaactgtcc	240
tccacgacct	cgcaccacgt	accgcatctg	acgctgatca	gctgctgttt	atctgtctcc	300
ctggagattc	tcagtggaca	tgttggttaag	gctctcgatc	atattgaagc	cggactgaag	360
attctccagc	gatgggagca	tcgcacagat	ggaaaattac	cgtcgggaagc	gattacacga	420
gaactggctt	atctcctgct	ccgctggaat	acccagctct	ccacgcaagg	tcggaagatg	480
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cgactagtat	tgatgtatct	gcctgagaac	ggggatggag	aatggcattg	tcgggtcagg	1260
gaggtggaat	ttgcggctga	ggtgcacgca	catgatccca	acttttttgc	tgaatcgggg	1320
atcaacttgg	aggcgtga					1338

<210> 6631

<211> 567

<212> DNA

<213> A.fumigatus

<400> 6631

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gcaacggcaa	ttatcggggt	catcggcctc	ccgttgacga	tcttcgtata	ccctcacgtc	120
caatctcgtc	tagggacctt	gagctctttc	cgcacatttt	taccgttttc	accggttgcg	180
tatactctga	tgccgttctt	ggtgatcctc	cctcggtaac	catggctagt	ctggtctgcc	240
ttcacggctg	tgggtggact	tcagggtatt	tctcggacgt	ttgctcttcc	tgctgctatc	300
attcttgtga	ataattgtgt	cactgatccg	tcgatccttg	ggacgggtgca	tgggtgtcgt	360
cagagtatag	cgagtgcagc	gcgtacactg	ggccccctca	tcggtgggtg	ggggctaggg	420
ctgggggtga	aaaataatct	tgttggtggg	atctggtggg	cactagcgtt	ggaagcattg	480
gttggtggc	tgctgctgtg	gacaatacat	gagggaaagg	ggatcgagag	aaggaaagat	540
gcgagaagag	gcacccagga	aagttga				567

<210> 6632

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6632

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2003

accatgcacc	gtcccaagga	tcgacggatc	agtgcacaaa	ttattcacaa	gaatgatagc	120
agcaggaaga	gcaaacgtcc	gagaaataac	ctgaagtcca	accacagccg	tgaaggcaga	180
ccagactag						189

<210> 6633

<211> 306

<212> DNA

<213> A.fumigatus

<400> 6633

gccgccatcg	tgctgttgcc	ctattgcccc	gcgggtcaca	tgactctgat	gcatttcctc	60
gtccttgtct	gttatttcga	aacctttttc	ttttttctcg	acaacaaagc	catggaggcc	120
tatagttttt	gcgcccttcc	tttggaactc	attgtgatgg	tcgcggaacta	tttgggacct	180
ttggatctcc	taaatttgat	tcaaggcctt	ccccacattg	cccccttct	caattcttgg	240
catatccagg	cccacgatga	gaatgggcac	accatcctgc	atcatattgt	ggaacaaagg	300
gcttga						306

<210> 6634

<211> 924

<212> DNA

<213> A.fumigatus

<400> 6634

tatctcatca	aacctctcgc	gaaatggatc	cccgcgagct	caattgccga	caacgaaggc	60
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tatgctggtg	cagatgtatc	agccaaggac	catacaggaa	aaactgctct	tcatcttgcc	180
tgctatgagg	atgcagttgg	aattgtccag	attctcctgg	accacggtgc	aaacccctcc	240
gcggcggtt	gcaacggacg	cacgcccttg	catgacgcac	ttggacgaaa	cacagttatc	300
ctacagaagc	tgatcaaagc	tggcgcgac	cttaaccccc	gacggatgcc	acgaggcctg	360
gctccccctt	atcttgaagc	ttggcttgcc	cgagaggatg	ctgttagaat	tctccttgag	420
gctggagcag	atccctccat	tcaaacagag	accggggaaa	ccatattaca	gaaagcaatt	480
gaagggtccc	acactaaagt	cgtgcagctc	ttacttgatg	ctgggggttg	tatcaatgtg	540
cgagaattcc	accatggcgt	caatgcgata	ctgacggctg	cgtattgggg	agcagatgac	600
tgtattcgac	tgctccagag	ggctggggca	gatgttttct	cagtggatta	ccgtggatgt	660
aacgcactgc	atcgggcggc	tctggggggc	aggctgtcga	ctgtcaagct	tcttctgaaa	720
gaaggagtgg	acagctctgc	agaagacaac	cggggttaca	ctccacaacg	atatgcagtt	780
gaagggtttt	atacacatgg	agggtcaagt	gatattgact	gggaagaact	gattcgaatc	840
ctagaagatg	tgataactaa	aagtccattt	ttgagggttt	tgaattggat	gcgagccaaa	900
tgctgcttta	caaaaaagag	ctga				924

<210> 6635

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6635

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cgctcttcc	tcggccactc	caacccgctc	gtcaagcagc	ggctcgacga	gccccctgcc	120
caccagctcg	acagtggcgc	caccagcgcc	aacacagcct	ggggccactt	cctcctgcta	180
tga						183

<210> 6636

<211> 339

<212> DNA

<213> A.fumigatus

2004

<400> 6636

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actaccgcct	cttcctcggc	cactccaacc	cgctcgtaa	gcagcggctc	gacgagcccc	120
tcgcccacca	gctcgacagt	ggcgccacca	gcgccaacac	agcctggggc	cacttcctcc	180
tgctatgagt	ggtatgttgc	agtgcctgga	gatgattgct	ctaagattga	taccaaatat	240
ggtatcacgt	tcgcacagct	gagagcgtgg	aaccatact	tggacagtac	ctgcagcaac	300
ctctggtcgg	actacgctta	ttgcgtgaag	ggagcgttaa			339

<210> 6637

<211> 567

<212> DNA

<213> A.fumigatus

<400> 6637

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ttcagccatc	tttttactct	atttatcaaa	gcccattata	tcgcccctac	tgatgtcctg	180
tatccccccc	atgacgctga	tggtggacgc	cttcagagac	ttgggttcga	acctgaagtg	240
attgatctcg	tccaactcct	gccagcgatt	agaaacgaag	cagtctggag	ttacaacgac	300
gaaggaatag	aaatgatccc	tcgtgccaaag	ctcgttaatt	atctgaaaca	gtcagaaaca	360
tctaattgcta	atgacatggt	ggagaccctg	cgctgggtcg	accatacgga	taaggatgca	420
caaggtctct	ttccgccatc	catccttcga	ttgacattcc	ctgcctttta	tgagagtaaat	480
gtgttgtatg	atgtccacga	ccgtaagtta	tttctctgcc	tcaatgttta	ctttattttc	540
catcagccga	agaagccgaa	gctctag				567

<210> 6638

<211> 459

<212> DNA

<213> A.fumigatus

<400> 6638

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tcaaaaccac	gttctggacg	acctcgccag	gttactgagg	tgagagggga	tcatactctat	180
gatctaagtc	agtcttctcc	tcatactaaag	atgcttagatc	ttcttactga	ggtatatggt	240
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caatatcaac	atcttacact	ggaagattgg	gcacgtgtta	aatggagcga	cgagtgccta	420
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<210> 6639

<211> 543

<212> DNA

<213> A.fumigatus

<400> 6639

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gatccagaag	ctccacgagg	gggggtatca	ggccgggtta	taagagatct	ccatcaagca	180
cagcttcctg	agcttactga	gocctggtgat	atcttcacgc	aggataatgc	tagagtccat	240
actgcaagga	ttgtgagaga	ggtgcctaat	tccctacaga	ttgaagttat	gatttggcct	300
ccatactccc	ctgatctcaa	tccagttgag	aacctctggt	cgcttatgaa	ggagaagatc	360
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atccttgacg	ctaaggaggc	atggcaagct	atagatacta	gtattcttca	aaagctatca	480
aggaccatgc	ctaaccgggt	gaaggcagtt	atcgaggcaa	atggttggtta	tacaaaatat	540
tag						543

<210> 6640
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 6640
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 tgtccccaat cgggtgctgc aggtactcct gccatctacg gtttcaactc gggacctggg 180
 gacgaggatt gtctgttctt gaatgtctat gcgccccctg gtgcatccaa tctacctgtg 240
 ttctgtttgga tccgtgagtt gcttctctcc tccacctggc cggcttgagc gtgttcgtcc 300
 gctgattccg gtgattga 318

<210> 6641
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 6641
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 actccgtttc tccgactaag cgatttctca tcatctgtgt cagcgcagga agggaaccca 180
 atgaaaactg atgtttgcct gttgttggcg gctactctgg ccccatcgt cgggtggttcc 240
 tcttctggtc tcattgtcca cctcgattat tcgtcttacc agggatatca tgaggcctct 300
 accgggttga atatctggaa ggggtatgcg gttactctc aacctgcctg gaacgcagca 360
 aatgctaacc tgacgtctgc agcattcggg atgcacgcc tctgtcggg cagctgcgat 420
 ggcagcctcc acggcctcca gtcaagaata acagtcatat catccctgcc gtag 474

<210> 6642
 <211> 753
 <212> DNA
 <213> A.fumigatus

<400> 6642
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 acgcccattg tcattcttgg ccccttctgg tctcccaacg ctcccttccg caatctcggc 180
 gacagcatca tccaggaccc caacccaac ggcaagggtc ccttcatgca cgggtgtctt 240
 acagacatgg agaccggcaa gccatcgcc ggcgcggtcc ttgacatctg gcaggcctcc 300
 gccaacggcc agtatgactt ccaagacccc aaccagagtg agaacaacct ccgcggaag 360
 ttccgatcga acgagaaggg cgagttctac ttgtactgct accaccctac cccttactct 420
 ctgcccaccg acgggtcggc cgggtgtgctt ctcaatctca tggatcgctc tcccatgcgg 480
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 taccacagtg acgaccaca cctcaacatc gactcgggtc tcgccgtcaa ggatgacctt 600
 gtcgttgatt tcaaacccaa gaccgacgac ccaaggctg agctcgacct cgagtacaac 660
 gttaaaatgg ctctgaagaa gcaccacccc aatcccaact cggcgccccc tgtgtcgtcc 720
 ttcgagcgct acaacaaggg ccagaagctg tga 753

<210> 6643
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 6643
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ttcatcaact	ctatcggcaa	gatcagcact	cctgtgcgca	acgagtgcc	ccggatttgc	360
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<210> 6644

<211> 714

<212> DNA

<213> A.fumigatus

<400> 6644

atcaattatt	caaacgctcc	ctcacagctt	ctggcccttg	ttgtagcgct	cgaaggacga	60
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ctcgaggtcg	agctcagcct	tggggctcgtc	ggtcttgggt	ttgaaatcaa	cgacaaggtc	180
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aggggtaggg	tggtagcagt	accagtagaa	ctcgcccttc	tcgttcgatc	ggaacttgcc	420
gcgagagttg	ttctcactct	ggttgggggtc	ttggaagtca	tactggccgt	tggcggaggc	480
ctgccagatg	tcaaggaccg	cgccggcgat	gggcttgccg	gtctccatgt	ctgtcaagac	540
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attgcggaag	ggagcgttgg	gagaccagaa	ggggccaaga	atgacattgg	gcgtgggggt	660
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<210> 6645

<211> 261

<212> DNA

<213> A.fumigatus

<400> 6645

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gagaatcccg	gtgcgcgcgt	gcgtctgttg	tcgattccca	agttcaagga	cacgggggag	180
ttgattctcg	tggacagcga	gacattggag	gtagagctgg	tcaaatttgg	tacttttgca	240
ggaaagcaag	agaaccaata	a				261

<210> 6646

<211> 402

<212> DNA

<213> A.fumigatus

<400> 6646

aaagtatcac	catcgagact	cggtctactc	agaaagtcca	cagtcaggca	gaagaaaaga	60
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cggctccggc	aaaaccaccc	tcttgcctca	tctcatcccc	caactcccc	caacctaccg	180
gctcgcactc	ctcaaaaacg	aattcggcga	cgtagccatc	gactcgcagc	tcgcctcgac	240
acagtcctac	tccggcgtgc	gcgagctact	gaacggatgc	atttgctgca	atctcgtggg	300
ccagctcagc	gacgcgctga	accagctgcg	cgaggagggt	cagccagacc	gcacgtcat	360
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<210> 6647

<211> 642

<212> DNA

<213> A.fumigatus

<400> 6647
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 acaaagagaa aaatgcccggt ccccataaca attataacgg gcttcctcgg ctccggcaaa 180
 accaccctcc tgctcaatct catcccccaa cccccccaa cctaccggct cgcactcctc 240
 aaaaacgaat tcggcgacgt agccatcgac tcgcagctcg cctcgacaca gtccatctcc 300
 ggcgtgcgag agctactgaa cggatgcatt tgctgcaatc tcgtgggcca gctcagcgac 360
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 aactttgtgc tgcacggggt gatcagcgtg attgacgtgg agaattggaa ggggtacgag 540
 tatacgtcgt atagggagaa cttgcaggcc atgtatccgg atcaaactt tcaaaataat 600
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<210> 6648

<211> 411

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (359)

<223> Identity of nucleotide sequences at the above locations are unknown.

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 ggaaatcaaa agagtattta tctgaagatc accgtcacgg aaccgaagtt catcagcaaa 180
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 cctgatggtg gtattctcac ctctgacaat atccagtatc ttcttaagtt catgattgac 300
 acggacattg cgggtatggt ctgggttgaa ccaaaggccg gaaaatacca ctggcccanc 360
 cctccggaga tttatcaatt ggccagattg aaacggttct caataatctg a 411

<210> 6649

<211> 741

<212> DNA

<213> *A.fumigatus*

<400> 6649
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 gttaaggaga ttattcagga agatggcagt gtgaacggtg tccgaactac atctggacta 120
 gttaaagcag aaaaggtggt tatcgccact ggcactcgtt cagaggatct ctgcgacttt 180
 ggtgtgccga ttccggtcat tctgtttgag catccatata tgtatggaga acagtgccag 240
 ccaaaacccc gcaagtcacc gtttggttga tggcctgaat tccacgtgta tgcccgtgat 300
 catggcacag cctatggact tggcgcttat gatcacaagc cgctctatca caagcccaat 360
 gagactgcca ttggtgactg ggtcgacgca ttcgacgcaa cactggagcg cgcccgcagt 420
 ttgataacctg ctgagacgaa tttgaccatc aaggagaaat tcaatggtat cttctccatg 480
 acaccggaca atctgccttt ggttggcagg atctcgtcaa tcaaagggtc atatatggcg 540
 actgcagtgt gggctactca tgcggctggg tcagctaaat tcttgaccaa gctgattcag 600
 ggtgaagaag ttgacgagtc cttgaagaaa gcaactggacc caaaccggtt ccagggttaag 660
 gagatgcaag ctttgaagga ggagtcgctg gcagggtata acagcatcta tagcactaat 720
 gagaacagac gatcgcgata g 741

<210> 6650

<211> 582

<212> DNA

<213> *A.fumigatus*

<400> 6650

tccgccacca	tgcctgaagc	cgctcgcaatg	ccccagaagc	gggttctg	tgatgcaacg	60
aataatcctc	gcagcatact	gaacacccct	ggcacagtga	agaaacgaaa	gctcgatgca	120
ggaccctccg	ccacagttaa	ttcattatcg	cagaatggcc	tgcggaatc	cttcgggtca	180
agtcaacctc	agaagagcca	attcgaagag	gaagttctgg	aaaagttgac	ccaggacatc	240
aacgggctga	aagatagcaa	ctcggaaaag	gaccaacaat	gggagcggcc	acctttgggt	300
gactttgatg	agaccaaaga	taacatctgc	tttcagcaga	ttgatgcaga	agagggaacg	360
attactggtg	gaaagacagc	tgttagactt	ttcgggtgta	cagaggtaga	tttgtcccct	420
cactgccagt	cggtttggtt	tgctaattggg	tttaatgcag	gccgggcaat	cagttttgct	480
ccatgtcacc	gggtttcagc	actacctcta	tatcgcgggc	ccggtgaatt	tcaccaaggg	540
aagattgcga	cccctaccgt	gcctttctcg	agagtaaact	ag		582

<210> 6651

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 6651

agtcaggctc	tggatcgatc	gcttactctc	cctgcaggcc	aggtcggcaa	gatgctcgga	60
gagagatgga	aggccctgag	cgacacgcga	cgccgaccct	acgaggagaa	ggccgccgcc	120
gacaagaagc	gttacgaaga	cgagaaggcg	agctacaacg	tatgtgggta	tacttattgt	180
gccttgaaat	ga					192

<210> 6652

<211> 402

<212> DNA

<213> *A.fumigatus*

<400> 6652

acctctagaa	tatccacccc	ccggacgacc	atgcaacgcc	tcttctccga	tggcgacgac	60
gacctcgtca	cagcagacac	cctcacaacg	tggtacgtcc	atgtgccgct	ctcctccggc	120
tacgtcatg	acaaggatc	ccttttcgac	gccatctgca	gcgccatcca	agccggccgc	180
tgcgagatct	attcctcgcg	taacctagag	aataacattt	ccgggttcac	gattgaggtc	240
caggctcgat	tctccgacct	ggggacagtt	cggcgtgcag	cgtatcatat	tgctcaaagg	300
catctggatt	ttcatagaat	ggagatgcag	agtaggacgc	agacgaggct	ggcagagaag	360
tgccctggcta	gcttgagttt	ggaggatgca	agagggaagt	aa		402

<210> 6653

<211> 465

<212> DNA

<213> *A.fumigatus*

<400> 6653

catcagcagt	acattgcata	tcaccagccc	tctacaaacc	cattgaaacc	caactatacc	60
gaaccgagcg	gggcaacaag	caaaatgggc	ctcctcgaa	tcattccaaca	cctccgcggc	120
gaagagccca	caggatacac	ctggtagctc	cacttcccc	tacacggcga	cccactgacc	180
caaagcgaaa	tccttcatac	agccgtccag	gagctgcgcc	aaaagaaaat	aactctgtgg	240
caatctcgag	gcgcagcgcc	cgacaagggg	atgctgatga	aagtaattgt	ggctgataac	300
aaggccgcag	aagtgtcaa	ggccgctggg	acggtcctcg	agcggcggtt	gcaggacgcg	360
aagttgtcgc	ttgagcggat	tcttcagaag	gataatgata	agagggcgga	taattatgtt	420
accaagttga	agagcgattt	ggctgcattg	tctatggatg	ggtaa		465

<210> 6654

<211> 2028

<212> DNA

<213> *A.fumigatus*

<400> 6654

ctgaccgtga	agtttctaga	tcagttatct	cgggatgaaa	tacgagctac	cacgcaattg	60
atccgcgaga	taagcaactgg	ccagtatatc	aagtttaatt	gtctgactct	ccgggagccg	120
ctcaaggctg	aataccttgc	tttcaggcag	ggtaaaggac	cccgtccgga	tcgccgcgca	180
tttgccatcc	taatagatcg	tactctctct	gggggagtaa	tagaggccgt	cataaacctt	240
acgtcgggtg	tcattgagga	atggaaacgt	gtggaagatg	tgatgcccat	tctcactccc	300
accgaccttg	gcttcatcga	gcgagtggct	cgggtccgatc	ctcgtgtaat	ccaagcctgc	360
caggatatcg	gtatttatga	tatgtcacia	gtatatttcg	acgcttgggc	tatcgggatc	420
gatgagcgct	ggggccgcga	ccgtaagctc	cagcaaggct	tgccttacta	ccgacatgag	480
ccggaagata	atcagtacgc	tcatccactc	gactttatcg	tcattgcgga	cacagatact	540
gaagagatct	tgagtgtgga	tggtcgtaca	gtggatggag	aacggacacg	tccgccattg	600
aaacagcaaa	attatctacc	cacttctctc	cagcatgggt	atccttacga	tactctgaag	660
cctatccata	ttacacagcc	ggacggcggt	tcctttcaat	tgcatggcaa	tatgctccat	720
tgggccggct	ataagatgca	tatctgcttt	aattaccggg	agggatttgt	actctcagat	780
atcagcatat	atgatccggg	ggaaaagagg	cagcgaccgc	tcttctaccg	gatcagtgtt	840
gcggaaatgg	tggttcccta	tggatgtcct	gaaccacctc	accaccgga	gcaagcattc	900
gacgttggag	aatacggcat	ggggctgatg	actaattcat	tgagactggg	atgcgattgc	960
aaaggcgtca	ttcaatacct	tgacggagtt	atatctgacc	agcaaggcat	tcccgtcggt	1020
gtgaagaatg	ctatctgcat	tcacgaggag	gataatgggc	tgcttgtcaa	acacactgac	1080
ttccgtgatg	ctcgtcfaat	ctcggcacga	gaccggaaac	tgattatttc	tcagattatc	1140
acagccgcga	attacgacta	cgggttttat	catacgttca	cactggacgg	tacctacaaa	1200
ctcgagggtca	ggttgaccgg	gattctgaat	acttactgct	tacacccctc	ggagacggca	1260
aacccgtacg	ggacggaggt	cgctcgtgga	gtcaccgctc	acaaccatca	gcatactctc	1320
tccttgagaa	tcgatccgga	aattgatggg	gtggaaaatg	aagttcgaga	gtgcgatgct	1380
gtccccttcc	aatacacgga	tgacagcaag	gctaaccctt	acggcaacgg	attcttttgc	1440
cggcaacggg	cagtggaaag	tgccagtctc	gcacgttag	gccgctcatg	ggacattgtc	1500
aaaccaacga	agggtcaaccc	agtatgcaag	aagccagttg	gttacaagat	cttgaattct	1560
cagtatcctg	gtctcctggc	gcaggaaggg	agcattgtac	gccagcgcg	agcctttgcc	1620
acaaagcctc	tgtgggtggg	gccgttcaag	gatttccggc	tttatccagc	tggtaaactat	1680
gtctgtcagt	caacaggaga	agcacaccaa	tctggcaatg	aaacattgga	gggctgggtg	1740
tcagacgcaa	agcacgcaga	catcgtgtgc	tacgtgcagt	ttggccttac	gcataccctc	1800
cgaactgagg	attttccgat	tatgcctgcc	gagccagtta	gcgtaacact	gcgcgcggcc	1860
aacttcttcc	agagcagccc	ggctctgcca	tttcttacac	tgccctcaaaa	ccgcgacacc	1920
aactcacaac	tggcaggtct	gggtcaaagt	gcctgtgtta	gtcacactgt	gacagtacgc	1980
caaggcagtc	acgataatcc	aaggcttcaa	aaaaagctct	ctttgtga		2028

<210> 6655

<211> 315

<212> DNA

<213> *A.fumigatus*

<400> 6655

ggtcgaagca	aacgtcagct	tcctgctcct	agccgggacg	gagacgaccg	cgacggcact	60
gtcaggga	acgtactacc	tgctcaaaac	ccggaggcgc	taagaaaagc	aacggccgaa	120
gtgcgaagcg	cgtacaacag	cgaggatgag	atcacttttcg	ccaccaccgc	cgagcgctc	180
ccctacatgc	aggcctgtct	gacagagggg	ctgcgcactct	acccatctgg	ccccattgcc	240
gcgccgcggc	ggaccccgcg	aggcacgggtg	acgtggattg	caggccatcc	ggtgccaggg	300
gggggggggg	gtag					315

<210> 6656

<211> 531

<212> DNA

<213> *A.fumigatus*

<220>
 <221> unsure
 <222> (454), (502)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6656
 agaataggct tcaccgaagt gacagtgtgc agtatattgt atcagagctg gttttcttgt 60
 ttctattgtg tgtgcgttgt gttgtctgtc acctggtctc ctctctctt ccccggaat 120
 atggcttcaa acgggtgctt gactccctcg gagctcaatg gacagagcaa tggccatatac 180
 aacggggcca caaacggata ctccaatgga catatcagtg gactcacgaa cggatataacc 240
 gacggtcatg tcgacgacag acatggccac gccaatgggt ataccgatgg tcatatcgag 300
 gattacacac ggcatgaaga ccacagacct tcagctccag ttgccatttg tggcatgggg 360
 atgcgactgc cccgcgggat ccgtgacgaa cagtccttct acgaatttct catcaacaaa 420
 ggcgacgctc gctcctctac gcgcaacgac cgcnataacg tggatgcata ttacaggccc 480
 tcatgggaag cacggcaciaa gngatcacca accatgggta ctttctctaa g 531

<210> 6657
 <211> 393
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (105)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6657
 cgtggattgc aggccatccg gtgccagggg gggggggggg ttagtgtggg cgtgcatgca 60
 tggacagcgt cgaatagtcg gttgaatttc caccggcagg ccganttcac cccggaacgg 120
 tggctttcgc cctcgacaat ggaccgggcc tcgccgttcc agcgcgataa tcgtgccgcc 180
 tcgcagccgt tcagtgtggg gccgcgtaat tgtctgggaa aggcattcgc gctgaatgag 240
 atgcgggtca ttctggcacg gatgctgtgg aattttgaca tgaaattgtt accacagagt 300
 gacgggtggg agaggcagag gattttcacc ctgtgggata agggaccgtt gatggttgaa 360
 ttgaacgagg ttcgatcaag cctccacaac taa 393

<210> 6658
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 6658
 tctgcttggg ataacacgag gctacccttc cttcgtccgc tggctctatcg cctcaccccc 60
 gacgtccagc gtgtatacca gcacaacgct cgtgccaggg agctcgtagg atcgattgtg 120
 aagcagcgag agaaggatga ggcaacgata ccaggatgca caaagcccaa cgatgccatt 180
 gaatggatat gggatctagt tccaaatgaa gataagaaga accacggcta tcaaggcata 240
 gcgcagttag ccattgcagc cgtttcgggt cgcacaacca gtcaactact caccaatatt 300
 gtactcaatc tgatcgcgta tcccaggtac gttcccatct tgaaggagga gattgagaat 360
 gtgcttgctg cgtgtgacgg tcaatggacg ttggacagca tgagcaagct ggaaaagctg 420
 gatagtttca tgaaggagtc gctgcgattc gacactccgc taacagggtca tccccgtcc 480
 cttctccaag acctctatag agagtctccg aggacacagt ggctgactct gacacagcta 540
 cgttttcaacg caaggccgtg caacgcacat caacctcagcga tggcacagtt ctgcaacctg 600
 ggacttttag 609

<210> 6659
 <211> 357

<212> DNA

<213> A.fumigatus

<400> 6659

agagtctccg	aggacacagt	ggctgactct	gacacagcta	cgtttcaacg	caaggccgtg	60
caacgcacatca	ccctcagcga	tggcacagtt	ctgcaacctg	ggacttttagc	cctagcaccc	120
tccaacgcga	tgcgcttcga	cccgaatatc	tacccaaacc	cggagcagtt	tgacgggctg	180
cggttctaca	aactacgaca	ccaaaacaat	tccaaggcga	aaaacatcat	ctatcagttc	240
accgcgga	gcaaaacaca	ggtgcggttt	gggggagaac	gacatgcctg	tcccgggcga	300
tggttcgccg	cacatctgat	caaaatggta	gtagcaggcg	attctcttca	agtatga	357

<210> 6660

<211> 1068

<212> DNA

<213> A.fumigatus

<400> 6660

catcccgcaa	tgcgcgggtc	cttcggcccc	tgtggtgaag	agcttttctgc	agaggccggt	60
gaggcttggg	tgtaatgat	tggcgccta	ccttccgagt	tccgcggtct	agtggagcg	120
gttcttgaat	gctgcgccc	agactgggag	cacgacgcag	tttctcttac	ttttgttttc	180
tggatatgagc	tgaagcaata	cgtcacactc	gagcgatacg	gagacgctcg	tgtcgcgttc	240
accgatgtat	tttcaaagct	ggtggacatc	atggtcaaac	accttgaata	ccccgtccc	300
gaagagggcg	aaaccgatct	attcgggtgt	gatcggaac	aggaagagaa	attccgtcat	360
taccgtcact	ctatgggtga	cgtacttaaa	gattgctgcg	ccgtcatcgg	tgtcactgag	420
tgtttgtcaa	atgccaacgc	gttgatccaa	cagtgggtct	ccaagtacgc	atctcaggca	480
agcgaccagc	atgtccctca	ctggcaggaa	cttgaggcac	cacttttctag	tttgcgggca	540
atgggcccga	tggctgaccc	tgaggaaaat	acagtgcctt	cgcagattat	cccgttgatt	600
gttcaaatac	ccaatcagga	gaaggtgcga	ttccaagcta	tcatggcgct	ggcgcggtac	660
acggagtggg	ccgctcaaca	tcccgaaact	ctggaagcac	aactcaacta	tgtcatctct	720
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ggtacagact	gtcagaaact	actgggaggg	cacatcccgc	aacttcattc	cttctatgaa	840
tcggtcatcg	ataagttgaa	gccggccagc	caggaagaag	tacggagggg	cgtagctgct	900
gttgttgctg	ttcaaccctt	tgacaagatc	tatgaaacta	tgaagttggt	ttgtgatccc	960
atcatggcac	ggatcatgaa	tctggccaac	aatgcgagtg	atgagcaagg	ccagcgcgct	1020
gttgccggta	tgtttaacgt	gcattttttt	cacctatatt	ggagctga		1068

<210> 6661

<211> 1167

<212> DNA

<213> A.fumigatus

<400> 6661

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attacaatct	ttgtgcaagt	tgtaaatcca	tatgtcggcc	cgaatgaaga	caaccgggcc	120
gtcaagtatt	gcggcgagat	cctgcccatt	atgacgacga	ttgttatgaa	tttacttcg	180
tccaccccca	tattggagcg	tgtctgccgt	tgttgccggt	acatgatcat	ctcgtaccga	240
actgcgatga	ttcctctgct	gcccacgctg	gcccagagca	tgcgcaacgg	gtttgaaact	300
tcacgggaag	gatgcttctt	gtgggccacc	gatgctgttg	tgcgcgagtt	cgctgaaggg	360
gccgagttcg	tggaccggtc	gacaagcaat	gctgtcttcc	agttctacga	acaacaggca	420
gttgcttttc	tacggatcct	gaatgagctc	cacccagaaa	acctgcccga	tggtgaagctc	480
tattcgtctt	gtaagactat	gttgtggtac	gctaactccg	atgcagtcac	cgaggacttt	540
taccggcttt	cttcagacgc	tgtccgggtc	taccccaaag	agtgcatcag	ctcgtccctc	600
gcagtaccca	tttttactgc	ggcgctcagc	gccctcactc	tccagcagat	tgatcctttg	660
attgcgacac	tgcactatta	ccatgattta	ttcagttttg	cgttcgaaaa	gcccgctgtc	720
tccgagttca	ccagctccga	tggggattcg	tatacgaatc	cacctgaggt	cagagaggct	780
gtcaagcagt	tgatccttgc	tcaggggcaa	gttcttacct	aaagaattct	gactgggatg	840

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atgttcacat	tccctgggga	ctgctttgcg	gacgcttcgg	gcgttatgat	gacactcttt	900
gacttagtgc	cccaagaagc	tggggcatgg	gtgcagtcca	cgctccagat	gctcccggca	960
gggaccatga	agccaggaga	ggcagagcgg	ctgcttaaag	gcacgcgaga	caaagtgcag	1020
accagggaaa	tccggaagat	cagatctcta	ctacaagggtg	ggaccggggcc	ccaagactcc	1080
acagtctcta	ttatgactaa	cagcctccta	cagactttac	ccactcatat	cgccgtcttc	1140
accacggggc	tggaaggatc	cgagcta				1167

<210> 6662
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6662						
gttgaagaaa	cgtttggcga	agatccatac	ctttcgggag	agatgggata	cagctacgctc	60
aagggcctcc	agagcctcaa	cgtctcctcg	atgggtcaagc	actttatagg	attcagccag	120
ccagaacagg	gtatcaacac	ggctcctggt	cacggaggcg	agagatatct	gcgcacaaacg	180
taa						183

<210> 6663
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 6663						
gaagctgctg	acaacttggt	taggtatgac	ggcatccctg	ctgtttcgga	ctaccatact	60
ctgaccgaga	tcctgagagg	cgaatggggc	tacgactact	ttgtcatgag	tgatgccggc	120
ggtacagata	gattgtgctc	ggccttcaag	ctctgcagaa	gcaaccctat	tgacatggaa	180
gccgtcactc	tccaggttct	tcctgccggg	aacgacgtcg	agatgggtgg	tggctctttg	240
tga						243

<210> 6664
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 6664						
cgtatgcaaa	gcaatttcca	gaaaatccct	gaacttgctca	aggccggcaa	gcttgatatac	60
aagactgtcg	acaccgcggt	ctcaagagtg	ctgagagcga	agttcgagat	gggcctcttt	120
gaaaaccctc	atcccgtgct	ccccaagtcc	caatggaaca	acctcatcca	cagcaaggaa	180
gccgtcaagc	ttgccagaca	gttagacaac	gagtccatcg	ttttgctgga	aaaccctac	240
cataccctcc	ctttgaagaa	gaagggtgac	attgcggtta	tcggacccat	ggcccatgga	300
ttcatgaatg	tacgtgccac	tgcatag				327

<210> 6665
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 6665						
gatggcccaa	ttaatgcagg	gtccgtcagt	gattcaattc	cttttggctt	tcaacgatca	60
atttcattga	caaagctgat	tgagtcggct	acagggtgata	ttaccaattg	gatgaactcc	120
accagcggag	cattcaacta	caccgtcttc	gtcgagaata	tgaagatgaa	ggcgggatcg	180
ttctatggta	gacaaaccgg	accctga				207

<210> 6666
 <211> 183

<212> DNA

<213> A.fumigatus

<400> 6666

tcattttgcc	ggacactaac	atcaaccctc	cagatcaa	actgggctct	tggtaacgaa	60
gtgtggggac	catggcaggt	cgcgagatg	accaaggagg	agtacgctca	caaggcttac	120
cagtgggcaa	agggtagagaa	ttcattcgct	gcgactccga	aagggaccaa	ccagtcaatc	180
taa						183

<210> 6667

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6667

tgcttaagac	attgcaactc	tcgctactct	gagtgtcgtg	ctaacctcga	cctcaggcat	60
atggggccgat	gcatttatgg	aggcatctat	gatccaggca	atccgttgct	tgacgagaat	120
ggctttcgca	aagatgtact	ggaagccctc	aaggagctga	acattcctgt	cattcggtat	180
cctggtggta	attttacggc	aacctatcac	tggattgacg	gtgtatgcc	taaagatcaa	240
cggcctgcga	ggtaa					255

<210> 6668

<211> 957

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6668

gaattcattc	gctgcgactc	cgaaaggggac	caaccagtc	atctaata	ctttctagcg	60
ctgaagctgc	tcgacccttc	tctgaagttg	atcctctgtg	gccaagacgg	cactgcctca	120
tgggactact	acacactgaa	gcagtgcctg	nttcccgcctc	attcgctctc	ctctactagc	180
accgttcctc	tcatcgacat	gcacagtatt	cacatgtaca	cctgtgggtc	aacctatctc	240
cccaacgtta	ccgccccact	cgccgctgaa	cgcgctatcg	agattacctc	atcccttacc	300
gaccttgcca	tgattgagaa	cggtatccct	cctgaccagc	cgcgggccac	aatctgcttt	360
gacgagtgg	acgtgtggga	ccccctgcgt	gctgagggca	gcaagggcgc	cgaggaaagc	420
tataccctct	ccgacgcttt	ggccgtggcc	atctggctca	acgtctttgt	gcgcaagagc	480
aaagacgtcg	ggatggcctg	tattgcacaa	agcgtcaacg	tcatttcccc	cttgatgacc	540
actaaggatg	gtatcataaa	gcagactatc	tggtggccct	tgtatctggt	ctcgaagtat	600
atgcggggct	ggaccatcaa	tgcgacgctc	tcttgcggtg	cctatgaggg	cgagacgagt	660
ccgaagtgg	tccgcgccgt	caaggacact	ccctggctgg	acgtcagtg	caccttgagg	720
gaggacgggt	atgctaagt	tgctgtcgtc	aacatcagcg	acgaaaagga	tatggagtgc	780
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gcctgcaaca	tgaagggaaa	agaggaagtt	ggtctgacgg	aaagcacttg	ggacggcaag	900
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<210> 6669

<211> 933

<212> DNA

<213> A.fumigatus

<400> 6669

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<210> 6670

<211> 798

<212> DNA

<213> A.fumigatus

<400> 6670

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<210> 6671

<211> 360

<212> DNA

<213> A.fumigatus

<400> 6671

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<210> 6672

<211> 1815

<212> DNA

<213> A.fumigatus

<400> 6672

2015

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<210> 6673

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6673

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tactttagtg ctgcttccaa gcctccaagc ctcgatttgc aaacgctcat cttctgccac 180
aacgacaagg caaacggcga tccaaaagcg ccccatgagt ccatgacctt ccggaacatg 240
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<210> 6674

<211> 822

<212> DNA

<213> A.fumigatus

<400> 6674

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gatcggaaga tgtcgccgc ggatatcgag gccttgatcg cgcagcatga caacgctggg 300
cagagtgagc cagcgaagga ggagaagcct gccagtgggt cgcggaagag aaggcgact 360

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catgccgagg	agagggcgcg	ccggggccgt	cgaagaagg	ccgctactcc	ttcgaaacag	780
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<210> 6675

<211> 282

<212> DNA

<213> A.fumigatus

<400> 6675

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<210> 6676

<211> 246

<212> DNA

<213> A.fumigatus

<400> 6676

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tactcgacca	ccctgacaat	gggcgcggac	ggcattaaga	gtacagacct	ttcgcaagca	180
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<210> 6677

<211> 966

<212> DNA

<213> A.fumigatus

<400> 6677

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<210> 6678
 <211> 234
 <212> DNA
 <213> A.fumigatus

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ggcagcggaa aaggatatgcc tcatgaggac gttactccaa agattagttt gaacggagag	180
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<210> 6679
 <211> 1137
 <212> DNA
 <213> A.fumigatus

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<210> 6680
 <211> 1695
 <212> DNA
 <213> A.fumigatus

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<210> 6681

<211> 1254

<212> DNA

<213> A.fumigatus

<400> 6681

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<210> 6682

<211> 204

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (25), (78), (83)

<223> Identity of nucleotide sequences at the above locations are unknown.

2019

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<210> 6683
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 6683
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<210> 6684
 <211> 255
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (111)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 tgcgccttca gcttctcct catcgagatc ctcttcttcg ccgtctgggtg nccgcccttc 120
 tcagcatact ggtccgtccc acccaagagc gcccaatgct ccgtctacac caaccacgtc 180
 atcatcacc tcgtcttcaa cgctcgccacc gacgtgctga tcatggccat cccctcccg 240
 ctgctcatcc ggcc 255

<210> 6685
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 6685
 gtgttcttgc tcccagcaca gatggcgag aggagtcgag cacacaaatc caagcaagat 60
 tgcgcgagtt tgtattggag ttccaacttg acaacgcatt tatttacgg tatcttgcca 120
 gatggacatc caaatcttgt acaaactaac cgaatttaca gtgatcaact gcggcagaat 180
 gttctcgtga agcaatactt ctgtgacatt gatattgccc atttaatatc gtacaacgag 240
 gagcttgctc acaagctcac aactgaacct gccgatatta tcccccttgt gagtattgtc 300
 ttccgactcg cagtggctga ctctaacgat cgtacgcctc tctag 345

<210> 6686
 <211> 987
 <212> DNA
 <213> A.fumigatus

<400> 6686
 ttcgaggcag ctctccaaca atgcactcag cgaattgtct atccctccca gagagatatc 60

gtccttccat	cccaccagct	cctacttcac	tcattctgcat	cacacatctc	catccgggac	120
ctgaatgcta	caaacatctc	ccaccttggt	cgtattcctg	ggattgtgat	tggcgcgttt	180
acaatatcat	ccaaggccac	cgttggtccac	attcgggtgca	agggctgcga	ccatagcgaa	240
aacatccgcg	tagaaggcgg	tttctccggt	ttaacgcttc	cccgcgatg	cggtcgtcaa	300
aagctaccgg	gcgaagagcc	cggcgagcaa	tgccccctcg	acccttacgt	gatcgccac	360
gagaaatgcc	agttcgttga	tcagcaagtt	ctcaaacttc	aggaagcgcc	cgaccagggtg	420
ccggtgggtg	agcttcccag	acacgttctt	atctcggccg	atcgatacct	tgccaaccga	480
gttgtgcctg	ggtctcgatg	cacagtgatg	ggtattttct	ctatttattc	caaggagggc	540
aagaaagatg	gagctgtggc	tattcgcaac	ccatatctgc	ggcggttgg	catcagtacc	600
gatctggatc	atacggcaaa	aggcaacgcc	atcttcaccg	aagaagagga	acaggagtgtt	660
ctggagctta	gtcgccggga	ggatctgtat	gaagctctcg	ccaggagtat	tgccccctct	720
atttggggta	atctggacat	caaaaaggca	atcgtgtgcc	ttctgatggg	cggttccaag	780
aagatcctac	ccgacgggat	gaagcttcgt	ggagacatca	acgtgttgct	ccttggtgac	840
ccgggacttg	ccagaccgca	ttcgctgaag	ttaactgaaa	aagtatccct	tatcgttcta	900
cacattccgg	aaaggttcgt	caacggctgg	gttgaccgca	tcagttcaca	gagaccgcgc	960
gacacgcgca	atttatatgg	gaagggg				987

<210> 6687

<211> 2115

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (37)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6687

cgcgcccttt	atgagcacga	cctatccatg	tctgctntcc	aacgcttgag	acttaaggaa	60
aaggaggagc	gcgagatcga	agagaatcag	cacgaatctc	tagcccaaga	ctcggaggat	120
ggtctatcaa	gcattctccat	gaagcggaca	gcattcgctc	caaccgcac	gggcccctact	180
gccaatcgtc	gcacgtcaac	ggcagctacc	tcgatcgacg	gagaatcatt	tccctcgggg	240
actggggggt	ctagcgaaaa	ttcgaagtca	ggattcatag	gggccatggc	ctcagaacgt	300
ggctctttca	aatctcgacg	tctctatgga	caaggtctgg	cacagtctgc	acagaaccag	360
cagaacacga	cgctgcaccg	cctggaaagt	ctgagccg	aacgtgcggg	tacgcttgag	420
tcgctctctc	ttaccggggc	gtactccagg	agcgcgacca	atctgcgtga	ccgactccag	480
aaactcgcca	ttgctgagcc	aacaccgag	tcttcccgtg	cgaccagccc	tccatcttca	540
gccgtgtcac	caaaattgcc	gagtaatgag	agtgatccca	aggaacaaaa	gtcgcaactg	600
accccaggct	atggagtacc	gccactgagc	ccacctgtca	gcgagaatga	agacctagga	660
acattggcgg	ccgccttgca	accggaagat	cttggaaaag	ctacagcgat	gggcctcttt	720
aacaagcctc	aaactgcttt	cgatgagagt	cagtttacgc	gacggcaact	gcagatgcac	780
cagggcagga	gcacaccgcc	cctccgacga	gtcccatcac	ctcccagtcg	gatgactcca	840
caggaacgca	ttggacgttc	tcggggcctt	tcaaacacga	gcggttctga	gtctgtctcc	900
tctcattaca	gtgagcctca	tcattgcagc	aatcattcga	ctgccccgag	catcgacgct	960
tctcgcgctg	gccctgcaaa	tggcacattt	ttctcaaacc	ccagttctga	tgcattccgac	1020
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gaagagcttg	atggatccgt	ggccaacgga	tcagatacgg	ccaatgggtc	ctctcagcgc	1440
gcgtccacag	atggaacacg	ttcaagagac	tcacaggaca	actccaaggt	accttcttgg	1500
gatgacgagt	tgaagtcgaa	gcatagacgt	caagaaagca	cggagaccca	gcgggagcgg	1560
gaagaattcg	agatggagct	cgcgagcggg	cggaggagag	tgcaggaaaa	gctgagaggg	1620
ttcgctgaaa	gcgagagtcg	atcagctagc	ccgatctccg	ggtatcgaac	accagactac	1680

ccccagcaaa	caaagcctgg	caacgcattt	gccattttga	agagcaagaa	tcccaaaca	1740
cccttcttca	gcagacaaga	gccgaagaat	tccagggcgg	tcggtctcgc	cagcgcgtcc	1800
actccatctt	tgggtaccga	cgacccctgg	cgggaggagg	acgagaagat	accattcagc	1860
ttcggcaagc	actccaacac	cagctcaccg	caaattgccg	gagagaagtc	gattcgatcc	1920
agagtagcag	cctttggccg	cggcagtcac	gaaggctccc	gcgaatcgag	ccgcagccgt	1980
ggcgctccc	cgcattcaag	tatgaggtct	cagagagatc	gttcgagctc	ggacgcctcc	2040
ggcgctcca	agagccgcac	acgataccgc	gtcttcacca	cggggctgga	aggatcagcg	2100
gtggcgcatg	gggga					2115

<210> 6688

<211> 315

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6688

cactacgaat	tttactattn	tatagcaaat	caagtaccca	gcttctcaag	tgctggtggg	60
ctattgtttg	actactccaa	caagcctcct	ccagcagctt	ctagtataaa	tccactttca	120
cggcctgata	atgaccactt	ggaaggagcg	gacaaagatg	cgacgttgac	gaaagtggtc	180
gacagacggg	ggtatgaacg	aaacaagcac	atctttccgg	cgagcttggt	gcgaggagac	240
gagccggggc	ctgagtttga	acagaaaatg	cgctccacgc	ggcgagacgc	tgaaggaaac	300
acttttttct	tctga					315

<210> 6689

<211> 327

<212> DNA

<213> A.fumigatus

<400> 6689

gagacccatc	atatcagaat	ggctaccacg	cgttaccagc	atgctgctct	ccctatcaat	60
gtgccatcaa	aagcaccggc	tccggccagc	ctctttccaa	tcagtcggat	ctctggatcg	120
ccccagaca	tttctgacac	tagcaccacc	acgggaagcc	gtgtctctgg	tttcagttac	180
ggcagcgggt	ctctcagcgg	cgactatgag	tcaagctcgg	cgtcttactc	aggtattgac	240
gtcgtggaag	ttctgagtga	ccgtatgcag	gatgttttcg	acccgacccc	attggatcga	300
ggacttgcaa	agcaagcgca	aacgtga				327

<210> 6690

<211> 372

<212> DNA

<213> A.fumigatus

<400> 6690

gtgttatggc	tgctgtgtgc	aatagccaac	tggatatgtc	ctctcatcca	tccagcagcc	60
tgcaagtcca	tgtctgtgtc	cgtttccgta	gctaaccgag	aatccatcac	acagcattac	120
ggaatctggg	gtgacaccaa	cgggtggcgt	tctaccgggt	aagcctccat	ttctttggcc	180
gacctttgct	tccccaacga	gcctctcgat	ggcaaccatg	gtcacgatcc	caatgatgtc	240
ctcttcattg	gcttcactag	caaggacgcc	gtgcctggag	cgactgccaa	gtggaaggca	300
aagaatgcca	aagaattcca	ggacagtatc	aagtcgattg	gtgacaagct	ggttgctggg	360
ttgaaagcat	ag					372

<210> 6691

<211> 276

<212> DNA

<213> A.fumigatus

<400> 6691

ccgaaccaac	aagcccagga	cttcttagat	attaaggcaa	ttgctcttcc	tgacaatcaa	60
tccggcacga	tgcgtctctc	tgaaattctt	actgttgctt	tggctactgg	ggccactgct	120
tataatttgc	ccaacaactt	gaaacagatc	tacgacaaac	acaaggata	ctgcacacat	180
ctcaagggtt	gtattatagc	cagccagcta	atatctcttt	ttgcgccgtc	agggaaaatg	240
ttccaaggta	ctggcaaaag	ggttcaccaa	tggtga			276

<210> 6692

<211> 447

<212> DNA

<213> A.fumigatus

<400> 6692

tatctctttt	tgcgccgtca	gggaaaatgt	tccaaggtag	tggcaaaagg	gttcaccaat	60
ggtgatgcta	gccaaggcaa	gtctttcagt	tactgcggcg	acatcccggg	tgccattttc	120
atctcctcct	ccaaggggta	caccaatatg	gacattgact	gcgacggcgc	caacaactcc	180
gccggcaagt	gcgccaacga	cccgctccggc	caggggcgaga	ctgccttcaa	gtccgacgtg	240
aagaagtttg	gcattctcga	cctggacgcc	aacatccacc	cctatgtggt	gtttggaac	300
gaggaccact	ctcccaagtt	caagccccag	tcacatggca	tgacgccatt	gagtgttatg	360
gctgtcgtgt	gcaatagcca	actggtatgt	ctctctcatc	catccagcag	cctgcaagtc	420
gatgtctgtg	tccgtttccg	tagctaa				447

<210> 6693

<211> 1548

<212> DNA

<213> A.fumigatus

<400> 6693

cttgagcttg	gatccgccag	cgccgtgttg	aagactatth	atgaacaaaa	gttgggggtt	60
gtacgtgagg	ttgaacgcga	tgcagtcgtc	cttcttcaaa	accagaaagt	tgtgtcacca	120
ctggatccct	ctgctctgga	aattcctatg	actgttggtg	ccgacaacgt	cgtatcatgg	180
ccaagcaacc	aggatgctat	gaggtcatat	cctctgccaa	acggcgagta	cctgtggacc	240
gtggaatcag	agtttgtctt	tctctggcaa	tttaccctga	catcctcgaa	gaacttggat	300
cgaggagact	ggtctttgga	aatgggctca	aagtcacaac	cagaagggtca	tgttctagcg	360
actcctgccca	tgaatattca	cgtggagtg	ctctgcccc	atgtctatgg	tgcaggacca	420
ccatattggcg	ggagtcccag	tgaagttatc	cgagcaacta	tgttgcaagg	gaccgccatg	480
aagtgcgact	tccggcaagct	acccaccgag	ggcttcagcg	aaaagacagt	caggtcggac	540
acgtgggttg	aggtgggccc	ggcgcatagg	gttcgctttc	gcaaccacgc	tgatgcaagg	600
aagtacaatc	acaagcagat	accaaccgac	cagtcctttg	gttacgacat	aaatctcttc	660
cgcgtgttat	ccaccggaac	tgaggtgaag	gtccagtggc	aggatttgag	tgtcactacc	720
gaggccgcta	cctctttgca	caagttcaat	ggtgggtgacg	atgaagtctg	gcctggaagt	780
cttggtgtct	tgagcgaaag	tcttgagact	atccgcaagt	cctgttgccg	cactgagtc	840
catcgcgctc	gaaagggttg	catagtacag	gccgtggaca	gcggagaaag	agtagcatcc	900
gttcgctggt	acaaagatcc	cgacatcgag	ctgctccata	aagggaacat	gctgaaaccg	960
ggttccagat	tgggtgaact	gggtgatatt	gttactcaag	tgtccgtcta	cgagttaagc	1020
ttgtttccgg	ggttaggaaa	ggcattgggt	gatctagtgc	tcttggtacc	ggaaaaggtc	1080
catcggtcgg	tctttccacc	gacacctcgc	gatccgcccg	cagtcactgg	gccttctctg	1140
tacagctttc	tctttccgat	gaacttcttc	gagatgacga	tgtatcttga	atccatgaag	1200
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ccttcccgtc	atgtcattca	tcacgataag	tacaaccgac	agtccccatg	tgactttctt	1320
ggtaggatcg	tctcagtgga	catcgagggc	aacatcacgc	ttcgacaagt	cggtcgcacc	1380
agctgtcgtg	atatttgcac	tcctttggac	agaatactca	tggtgattga	tgacgattac	1440
gacatgcccg	ctttgcccac	cccacccttc	gacatgttcg	gcttaccagg	cttctctccc	1500

tggatgtcaa atcccttcat atccaatcga acatatgaat atgaagg

1548

<210> 6694

<211> 261

<212> DNA

<213> A.fumigatus

<400> 6694

cggaaggta	gaggggaaga	atcgatcgtg	attccatttt	tgaacgcttc	cgacttgaag	60
agtgccagct	tcatggattc	aagatacatc	gtcatctcga	agaagttcat	cggaagaga	120
aagctgtaca	aggaaggccc	agtgactgcg	ggcggatcgc	gaggtgtcgg	tggaaagacc	180
gaccgatgga	ccttttcggg	taccaggagc	actagatcac	ccaatgcctt	tcctaacccc	240
ggaaacaagc	ttaactcgta	g				261

<210> 6695

<211> 588

<212> DNA

<213> A.fumigatus

<400> 6695

ttggattatg	acattgccat	cttgaatctg	agtgagcggg	gactgactga	cgatcgattg	60
aatcacctgc	tcactattgt	gccgaaccgg	accctcgtcc	tattggagga	tgtggatgct	120
gctttctcga	atcggcgtca	aactgatacg	gatgggtacc	ggggcgccaa	tgtgaccttt	180
tccggcctgc	taaatgcctt	ggatggtggt	gcaagtgtcg	aggagcgtat	cattttcctc	240
acaacaaatc	atgtcgagcg	actggatgaa	gccttgattc	ggcccggctg	ggttgacatg	300
accgtccgcc	taggcgaagt	cactcgctac	caagtccgct	gtctatggga	caggttctat	360
ggtgacctcg	acacaaccgg	attttacagg	caagcattcc	tcgaccggct	acaggagtta	420
ggcctcatag	aagacgagaa	aggcttcaaa	gccgatcggg	ctagaagtac	aagtgtgtgt	480
gctctgcagg	gcttggttct	gtataacaag	gggaacatgg	agggggcagt	cgcaatggcc	540
gaggcactca	cacatacagt	gcatgattca	gccgagggcg	accattaa		588

<210> 6696

<211> 510

<212> DNA

<213> A.fumigatus

<400> 6696

aaacaagcgg	cattcagtat	aaatagctgc	ccagcagaca	tattatactt	agtgttccag	60
tttctatcat	ctgctgaact	gcatgcacta	tgtcttggtt	ataaaacatg	cggcacaatt	120
gctgagaaat	tcctctactc	aaaaatccag	atgacttggc	taaaagctga	ccgtcctcca	180
ccaatcattc	aactcttacg	gacactctta	tccaggccac	agctagctgc	ttacattaca	240
actgtacatc	ttgacagcaa	tttctacgat	tactggaact	ttcaattcaa	aattcctaac	300
cttccgggtct	ctggcgctga	actggaccaa	ccgatcgcac	tcacccgggg	cactggagcc	360
ccctatagca	acctttggat	acaggaattg	cgccaagggt	ctctagacgc	ttttgttgct	420
cttctattag	cacagctctc	aaatgtgaga	tatctgtacc	ttgccaacga	ctttactcga	480
cagagtgcac	ttgtcggtat	ggttctctga				510

<210> 6697

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6697

gaacagattt	tgagggtctt	ctacttttta	ctgttctcac	tgaatattaa	cattcattat	60
tctggtgctg	tgctcaactg	gaacgaggca	gatgtgaaaa	tgtgggcgga	atttagtgcg	120
agagtttata	accgcatcag	taccatacca	accatacaca	ttatatccct	catactcatc	180

agcatcagag ccaaccatgt aacagatcaa aatcatctct accactatgg aaaggatatt 240
gtaactgagg aatag 255

<210> 6698
<211> 195
<212> DNA
<213> A.fumigatus

<400> 6698
ttttacaatt ctctcttcgg ccgcctttgc ggttttagagg aaacgggtcat actgactttt 60
gtgtgctggc aacagctcat gaagtacatg agcctcgacc aacgggggtca tgtccaggct 120
gagtatgtct ggatcgacgc tgctcggtaac tgccgctgca agaccaaggt atgcaacttt 180
tccccctcac tttga 195

<210> 6699
<211> 1647
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1444), (1610)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6699
gatgccatcc tgaagctcag agaagagcac aaggacgata ttggcagcgt cgttcagctg 60
gtactgtccc acagctgtat tggcgcgaaag aacaacctca ttttggccat cctggccatg 120
taccgccccca accagcctgg tgctggcaat gtcgcaaagt acttcaagcc cgtcctgaag 180
aagctcactg aacttgagtc gcggccccgc gccaaaggtca ccctcaaggc cgtgagggtc 240
ctcatccagt gtgcgcttcc ctccatggag gagcgtatgt ctcatatgga actcattctg 300
cgctcctctg ttgtcgaaac ccgatacgga gagaccggtt gggaccaccg ggagcccgaa 360
ttctccgtcc tcaaggaagt ggtggactcc aagtacaccg tcttcgacgt cctgaccgga 420
ttcttcgttc atccggaccc ttgggtcacc ctggctgctc tcgagggtcta cattcgccgt 480
gcctacaggg cctatacact gaaggggtatt cagtactacc ccgatggaga agtccccctg 540
gtctcctggg actttacgct aggcgaagctt ggacaaccgg agttcggttc cgttcactcc 600
aaccagatgt ctacgcccag cacacctact accgaggtcca accccttcag aagactcaac 660
tccattagtg atatgtcata ccttgtcaac gacagcagca atgagcccct cagaaaggggt 720
gtcattgttc cggttcagta cctggaagac gccgaggagc agctgcctaa ggccttgagg 780
gcactccctc gtgcccgggtc gaagaggaag ccggggcgaga acgggctgat tgcagacctg 840
gagggcaagc gtgcgaccag ccctcgcatg gagtccgaca atgaattgac cgggtgtctgc 900
aacgtggctg tccgtgacct cgaagatctt gacgacaacc agatcgttgc ccagatcaac 960
accattcttg ccggcctcag ggacgagttg ctgcctcgcc gcgtccgccc cgtgaccttc 1020
atttgccgga aggacggcag ctaccctggc tacttcacct tccgtggacc tacctacgag 1080
gaagatgaga gcatccgtca cagcgaaacct gcgctcgcc tccagcttga actcggacgt 1140
ctgtccaaat tcaagatcaa gcccgcttc accgagaacc ggaacatcca cgtctacgag 1200
gccatcggca agggccccga gaacgacaac gctgtcgaca agcgttactt cgtccgtgct 1260
gtgggtgcgcc cgggccgtct ccgtgacgat attcccaccg cggagtacct catctccgag 1320
gctgaccgtc tcatgaatga cattctggat gccctggaga tcatcggcaa caacaattct 1380
gatctgaacc acatcttcat caacttctcg ccggtgttca acctgcagcc ccaggatgtg 1440
gaanaaggct tggccggttt ccttgagcgc ttccggtcgcc gtctctggcg tctccgtgct 1500
accggtgccg agatccgtat tctatgcacc gatcctgcca ctggcatgcc ttatcctctg 1560
cgtgtgatca tcaccacac ctacggcttc atcatccagg ttgagctgtn ctttgagaaa 1620
aagtcgaaa aaggcaaatg gctcctc 1647

<210> 6700
<211> 1182

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (71)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6700

cataaggagg	aaaacggagc	cggggtttttg	ccactgccca	acggcatcgg	agggacgaac	60
catttttttcg	ntcaaaccgt	acaatttttac	cccttccaac	caggaaactc	agctctttat	120
tcggccttcg	ttaggaatcc	tcccgtctg	atcccagcag	ccgagtacat	gtactccacc	180
ggcgtcttcc	acggctgctg	gtcaccgcgc	caccaacagc	ccgcatcgca	ggaagccacc	240
atcgagcaca	actttgacct	tttattcagc	cactaccaga	aacagataga	gcaacaccgc	300
tggtagggct	tctggggacca	cggcgacgtg	cagcacacct	acgacccta	ccggcacgcc	360
tggcgctacg	acgtgggcgg	cttcgcctgg	gacaactcgg	agctctcgac	cgatctctgg	420
ctgtggctgt	acttcctgca	taccaggcgc	gcgagcgtct	tcaagatggc	cgaggcaatg	480
acccgacaca	ccagcgaggt	agacacctac	cacaccggcc	ggttcaaggg	tttcggcacg	540
cggcacggcg	tccagcatth	cagcgatagc	togaagcagc	tgcgatatc	caacgtgctc	600
tataaacgga	tatactatta	cctcactggc	gacgagcgca	tcggcgattt	gatctccgag	660
cagcaggatt	gccaattcgc	tctgctgact	ctcgactcgc	accgaaaggt	gcaagcgcac	720
gccgatatcc	ccgacggcct	cgccatgacg	aacatcggtc	ttgactgcgg	cgcactcgcg	780
gcagcatggt	tgacggcctg	ggaacgacgg	actgagggct	gggagcactg	ccgcgatcac	840
ttgatcaagt	tgctagacgg	catcgcgcg	ctcaaacacg	gcatcggcaa	caatgctatc	900
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gcgcgcgacg	tggacccggc	cactgtagat	aggttcattg	cggtatggct	ttcctattgc	1080
aaagcgtata	atggcggcgc	ggaagtcag	cgccgggcag	tccggtttgc	gttcaactgt	1140
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<210> 6701

<211> 249

<212> DNA

<213> A.fumigatus

<400> 6701

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aacggcctaa	aatgccgcgt	cagaagtgcc	ctttttgttg	tgggaagattc	tgggcagctt	120
ctgcgaacaa	tgatcatcac	cttgcttgaa	gctcgtggac	atgactactc	actagtaagt	180
acaagtgcgt	ctctaattct	ccgggttagg	actatgcgtc	ggagaactcc	tatgcagata	240
ctagtatag						249

<210> 6702

<211> 1362

<212> DNA

<213> A.fumigatus

<400> 6702

ttgcagccaa	tgcactgtg	gcacggcctt	ggaccccccc	ccttcttctt	tttggccact	60
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tgcgatgggt	tcaccttcag	aggctgcctc	aacctggcag	cgaatctatc	catagcttat	180
gcccggaccc	cggactctga	tccgcgttgc	tccctggatg	caattcggct	ggccacaacc	240
atggcgcggt	cattcgacac	ggcccaaacc	cccttgagcg	gctattttcc	gggcaacatg	300
catttccagg	acccaaacca	gatccctgct	tattctatct	tcggtgctag	tcagtatccc	360
gacagtgtag	cttttttgga	caacctgccc	ccacaacccc	cgcagcctgg	cattcctgcg	420
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gaatgtgtct	atccgtcacc	gactgcgact	ggctacttcat	ccaaggcagc	gtcgcggctt	660
ggagccaagg	ccagagccca	acgcccgcga	tcgcaaggga	gtgactcttc	gggccatgtt	720
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gacaaggcct	tgaagttgtt	gcggaaatct	ttggcatcgg	gagagcccca	ttctgaagca	1320
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<210> 6703

<211> 555

<212> DNA

<213> A.fumigatus

<400> 6703

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cacccttgtt	taatcgtcac	ggccgcccagt	cggctcctttg	ctcgtctctt	ccccgttctc	120
cgcgtgctt	ctccccgcac	ggccgtagcc	accgtctcat	ccgccaggat	agcagcttca	180
tccgcagcgc	ggtcgtgtgc	gacttctctca	ggttctctct	cttcagtact	gtcttctcag	240
cggacttctg	cagcaatgtc	aacaacatcg	tcgtcctttg	ttgctacccg	cagactacac	300
gccacggcgc	aacagctcgc	ccccgcaacc	acttccgcgg	ctacaaccgc	caccgaatac	360
ccgacggacc	acacgccgat	cgccaacccc	attgatacca	ccaatttcat	tgacaacgag	420
tttgtgtctt	caaaggcaac	cacatggatt	gacctccatg	atcccgtac	caataatctc	480
gtcaccgcgc	tgctctaaaag	caccgatgag	gagctacgtg	ccgccgttgc	ctccgcggaa	540
aaggcgttcc	ctggc					555

<210> 6704

<211> 615

<212> DNA

<213> A.fumigatus

<400> 6704

cctacttttag	aggaccaaaag	ctcccttcga	aattttaaag	cctatagggc	ggctgtaaag	60
tttcttgaat	ttggcggttg	ccagtttgtg	ggccccgttt	ctgacaagcg	agcaaggttt	120
ggttttcgaga	tctggaccat	gcagaacgac	attcttttctg	acaacatgta	cattgggtcac	180
tccattgaag	atgggtgagaa	gctccgcaag	gagacctttg	atctcaagca	ccccgtggaa	240
gttgcttttg	aggaagcctc	caagcccaag	cttgaggaga	aggccgccac	tcccagcgtc	300
agcttcaagg	aggccccagt	gacatacgtt	cgtgaaaagg	ttgagtactt	cgtgggtgtg	360
gccaagcaag	atcccatcaa	cgctgtcaag	caagttcctg	aggctgccgg	tggctctggga	420
gctctccttc	tgaccatgat	cctcgtcatt	gtgggcgctg	ttggagccag	cagccctgcc	480
cctgccgcgc	ccgctaagaa	gggcaaggag	gccgcctctg	ccgccaaagga	gaaggccagt	540
gaagccgtca	gctctgcggc	cgacactgcc	aagggcgcag	ctaccaagcg	taacaccogg	600
tcgtctgccc	agtaa					615

<210> 6705

<211> 1158

<212> DNA

<213> A.fumigatus

<400> 6705

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caggaaggca	aagtagacca	actggcaagg	ttgattgaca	agaccattga	agagtgcgaa	180
gagctggacg	gcctactaac	tctttactcc	catgaactca	acgtaagttt	ttcgccggga	240
atcttgtctc	ttccaccttc	taatcgaatg	gcacagacat	tgcacgaaga	tgtgtcgtat	300
atcgagacac	aatctcaagg	tttgcaggta	cagaccgcca	accagaagtt	gcttcataat	360
gagcttcaaa	atcttctgaa	gacgctctct	atctctgccc	ttgacttgca	gcctctcaga	420
gagtcacgc	tcagtaatcc	agatgggttg	agagagaccg	aggcggctct	atcaacgcta	480
tataaagcca	tgctgatgat	tgatcccgat	atatggcaga	ataaaaaacg	gttgggagat	540
gctgctgggg	agcaagggag	cgtgggggtg	tatgccgaca	cggaaatagg	gcagatgcgc	600
gccatcagag	agaagaagga	agaataccga	gcacagtctc	gaatgttcct	gcaacgactt	660
cggcagttca	tggctattgc	ctataaagtg	gctgaacaga	agaggggtgga	tgctgcagca	720
aatggcccca	aggatcctct	caagctggac	agcgaagctc	gagcgtatth	ccgtcaggag	780
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ggactgatca	gtctctacga	acaacaagcc	aaactgcctt	atcagaacga	attccgggac	900
aacaacttgg	cgtggaagag	agccggcagg	aaacctagtg	gggaagaaca	ggagctcctc	960
ttcaccacc	aggagaaaga	aaaggaaagc	gaaggcatta	caatggcagc	acgtaagttg	1020
acggtgcgac	gaggcaaaac	catcagggcc	gcagctggtc	tgcggttac	gccgggtgag	1080
aagcggcatg	ggagactgga	tccctgcgaa	gtctttgccc	gcacacttca	agaaaccctg	1140
aatatgatat	ctgaatag					1158

<210> 6706

<211> 249

<212> DNA

<213> A.fumigatus

<400> 6706

cagaacttta	tcgttcattt	ctttcacctg	agctccttga	gtaacaccga	gttttccgac	60
ttcgtggcct	ctggcaatcc	cgatgagcga	ccacttcctg	atttcagcgc	caggcatccg	120
catgatcctg	atcggggcat	ggctataaag	gtggaccaa	ttatggacga	gctctactcg	180
ttctggtcga	cggacatgca	aaaccttgtg	gattgggcca	tcccaccgga	tcctctgtat	240
gccacatga						249

<210> 6707

<211> 306

<212> DNA

<213> A.fumigatus

<400> 6707

ctccacccta	gattcattat	tcgctgcctg	caaaaactgc	attccccact	gaatggcctg	60
tttaaccgct	tccttgacga	acaaatccgg	ggaatcgatg	accccaatgt	ctatgtcaac	120
aaccgcaaag	gggtcatctc	tttcatcccc	gttctcccca	acttctctgc	cgggggttgag	180
aatttctctc	tcctcccat	caatgagttc	tttgactttc	cggttcgtgt	tcatgaccct	240
tatgaatcga	ttaccaaac	tttttgggag	tctcttaaat	tctattccac	gggaagcccc	300
caatcg						306

<210> 6708

<211> 552

<212> DNA

<213> A.fumigatus

<400> 6708

tgctctatth	gcacgtcatt	taccgccta	gagcccgccc	agcaggtcac	catcggaaac	60
gccgttcgca	ccgcgcgcac	gtacatcctg	gaccggatc	tccagcccgt	gtcggacggc	120
caaacccggag	aggtcttctt	ggccggacaa	caggtgatgc	gaggctacgt	gggagacgat	180

gccaaagacgg	cctacagcgt	gctgccggat	ccctggcatc	ctggtgagcg	gatgtatcgc	240
acgggcgact	acggctactg	gaacgcggac	agacagattg	tctacatcgg	acgactggac	300
cggcaggtca	aaatccgtgg	cttccgcgtc	gagctcgagg	cggctcgagca	gaagatgtac	360
caagaggagc	cgcggtttac	ccaagcggcg	gctctcggtg	tcaacgatac	tctggtggcc	420
tttgtcatgc	cgcttgacgt	ggatgtcagc	cgtctggagc	agcgactgcg	cgagtccttc	480
caaccagct	gggtgcctca	ggtgattacc	gcgctggagg	agttcccttg	ggacggccaa	540
ccgcaagggt	ga					552

<210> 6709

<211> 819

<212> DNA

<213> A.fumigatus

<400> 6709

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ctggatcaaa	agtccaacgc	ggtggcctcg	catattgcca	aacacttcag	cagggctcaa	120
gtcatcgcca	tccacgccga	tggaaccctc	aactgggttg	tggcatcct	gggtatcctg	180
aaagccgggt	ggcatactg	cccactcgat	cctgcgtatc	ccatcgcgag	acgggtcgct	240
gtgtacgaac	aaagcgggtg	cagcgcgctc	ctcatcccta	atgcctgctc	atcgctccgcg	300
gccctcctgc	cgataaccga	tcttcgcgtc	ttcacgattc	aagaaaccga	gacaagcgac	360
acaagcagac	agccatcgct	gctcgcaaac	gcaaagtagg	atgcctcat	cgtcttcacc	420
tccggcacga	ccggccgccc	caaggggggtc	cccatcagtc	acaggggctt	tctggctttg	480
cagtcgaatc	ccgaagccac	catgttcagc	cgtcccggtc	gtcgtatagc	tcagttcatg	540
tgcctgctgc	tgcactactg	tgccaacgag	attttctctg	cgttgctgca	tggcggaacc	600
ttggtgcttc	gggaccgctc	cgaccccttc	gcccattctg	cgaaggctga	tgtgtcgaca	660
attactcctt	ctgtgctcag	cgtgctgaat	ccagacgact	atcctaattc	cgacatggct	720
tatgcaacag	gagaaccctg	cacgcccggc	ttgctcgctc	gatggggcga	gggcccggga	780
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<210> 6710

<211> 525

<212> DNA

<213> A.fumigatus

<400> 6710

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ccagctgggt	tgagggaact	cgcgagtcg	ctgctccaga	cggctgacat	ccacgtcaag	120
cggcatgaca	aaggccacca	gagtatcggt	gacaacgaga	gccgccgctt	gggtaagccg	180
cggctcctct	tggtacatct	tctgctcgac	cgccgcgagc	tgcacgcgga	agccacggat	240
tttgacctgc	cggctccagtc	gtccgatgta	gacaatctgt	ctgtccgcgt	tccagtagcc	300
gtagtgcgag	gtgcgataca	tccgctcacc	aggatgccag	ggatccggca	gcacgctgta	360
ggccgtcttg	gcacgtcttc	ccacgtagcc	tgcacacacc	tggtgtccgg	ccaggaagac	420
ctctccggtt	tgcccgctcg	acacgggctg	gagatccggg	tccaggatgt	acatgcgcgc	480
ggtgcgaacg	gcgtttccga	tggtgacctg	ctggccgggc	tctag		525

<210> 6711

<211> 240

<212> DNA

<213> A.fumigatus

<400> 6711

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cggaagagtc	gaagtataga	tagacaccga	ccaagatttg	attatataat	caccgcaatc	120
atcagtcacc	gagcgatcgc	cgagcagtta	ctgagcgcta	acacaatgca	tcaaggcttc	180
ttcgtaatct	gtatgcaact	gtatctaggt	tcagactcta	ttgcctgtat	agctacatga	240

<210> 6712
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 6712
 aatcaggaac ttccccctgaa ccacttcctt gaccttgcat acaatacgcc attgtgggtcc 60
 tcgcctgata gcactcttac gtggctcaat cactgggcta cccgagaatt tggaacacaa 120
 gtgtccagca aagttgctga tataatggac cgctacggaa tgtatgctgc gcggagaaag 180
 tatgagctca ttgacagctc aacgttttagc gtgatcaact ataacgaagc ggaccggggtt 240
 caggaggagt ggcggggcgct cgtaaaccgat gcccagaacg tatatcagga gttgaaagac 300
 tcagcccgtc ctgcattctt cgagctcggt ttgcagcctt gcatggctgg ccaaattgtc 360
 accaatatcc atattactgt ggcaagaaac aatctgtacg caggccagcg ccggacgagc 420
 accaactctt tagcggatca agccctgaag ctgttcaatg atgaccacgc tttgacacag 480
 aggtaccaca aactccttga tggcaagtgg aatcatataa tggaccagac acatcttggt 540
 tatgattact ggtatgtctg a 561

<210> 6713
 <211> 594
 <212> DNA
 <213> A.fumigatus

<400> 6713
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 gatatggtac tcaccaaggg ccaacaggca gcagcccatg aggacacatt accccctctg 120
 gcttatactc aagtacttga ggagagtcta gcaggaagca tgggtgtgtc tgtcgaagca 180
 agtaatgcat cggtagcggg tgacgacgtc tggcattcgt tatcatctaa ttcgctgacg 240
 ctgcctccca tggatcctta cggaccaagc actcgctgga tggacattta ctctcgcgga 300
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 tgggaaaaag tgccttccgg atcccacatg gctttgatca acgtcaccat ctcatcggt 480
 gactacggca actttggaat gccaacagtc caacttctc tgcagcaagac gtcagtccta 540
 gcagattttc acgggctttg tggagtccga tggcacggtc agcatcgaag ctga 594

<210> 6714
 <211> 594
 <212> DNA
 <213> A.fumigatus

<400> 6714
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 tgggaagtgc tctggaccct tggaatgaga ggaaaacatg atactgcgaa tccaaccaat 120
 acaaagcaaa cactgggaga tattgtgaac acgcagcagc agattctgtc agacgtcctc 180
 aacatgacaa acatctcatc catcccacag atgtggtgtt tgtacaagga ggttggccaa 240
 ttctatgagg aaggactgct tgctccggat gacgttactc ttctctgggc agatgacaac 300
 tggggaaata tccaacgtct gccgcttggc aatgagacgg ctaggtctgg cgggtgcagga 360
 gtgtactacc attttgacta cgtcggcgat ccccgggact acaagtggat caatacgatt 420
 tccctccaga aaacctggga acagatgcat cttgcatacg agcgccaggc aaggcagatc 480
 tggattgtga atattggaga ccttaaggga gtggtgagta ccgagtcgat cgccggactt 540
 gactgttcga agcctaacct gaaatcagga acttcccctg aaccacttcc ttga 594

<210> 6715
 <211> 633
 <212> DNA
 <213> A.fumigatus

<400> 6715

tcaacgtcac	catctcatcg	gatgactacg	gcaacttttg	aatgcccaaca	gtccaaacttc	60
ctgtcagcaa	gacgtcagtc	ccagcagatt	ttcacgggct	ttgtggagtc	ggatggcacg	120
gtcagcatcg	aagctgatca	tgccaccctg	aacacgtcgt	caactgatgt	ctcgtacgcc	180
gtcattccaa	gatatggcca	tacgctgtcg	ggagtaacgt	tgctaccagt	cacgatcgaa	240
acacagcagc	ctccatcctc	tcctcgactc	gagtatgata	tgtacttggt	ttccaatgtg	300
tccaccgtca	aagctacggg	ctacctgggg	ccatcgctga	acaccgatca	ttcccgtccc	360
ctcaaatacg	ccattttccat	caatgacgct	gacccccaa	tggtgcagtt	tgttccctcc	420
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aatactacca	gtcatgcaat	tcaaggcggc	ggtagaaaga	acacactgaa	gctttggggc	540
atagaacccg	gagtcgtggt	tcaaaagatt	gtggtcgacc	tgggaggagt	caggccgagc	600
tacttgggac	ctccggagag	tatgattgtc	tag			633

<210> 6716

<211> 669

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (487)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6716

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tctgtatact	gtcttccccg	aggccgactt	tctcgacttt	gtcaacgccc	ccctgggcaa	120
aggcctcccc	gtcaccaagg	ccttcgggcc	actggtcgcc	gtcccaacca	cagcaggcac	180
cggttccgag	accacaggaa	cgcctatctt	cgacctcggt	tcgaaaaaag	ccaagaccgg	240
catcgcccac	cgcaatctca	aacccacgct	gggcatctgc	gaccgcgtca	acaccgcac	300
catgccctcg	gccgtccatg	cctcgtcagg	tctggacgtc	ctctgccact	cgctcgagtc	360
ctggaccgcc	atcccttaca	acgagcgca	cccgcgcccc	accaacccca	tcaaccggcc	420
cgcctaccag	ggagccaacc	cgaatttccg	acattttctc	gctgcaagcc	cctgcgcagc	480
accgtcnaat	accttgcccc	gcgcgcgtcc	ggaccgggac	gacttcgaag	gcccattccc	540
caaatgctcc	tggccccgga	cttctggcgg	cggtcggggt	tgggcaaacg	cccgcggtcc	600
atctattccc	atctgcatgg	acttaccccc	attttccaac	ccagaacccg	gggcttacia	660
gcattgcgg						669

<210> 6717

<211> 540

<212> DNA

<213> A.fumigatus

<400> 6717

ataagtactt	ggagatccca	ttccctttcc	ccttccccgc	actgggcat	ctccggactc	60
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cgactctcta	ttgcaatgac	ttcaatacgt	gttgcgccct	ctgcgcgcaa	gagagccctc	180
aatctcctcc	gcacagtgca	atatacccat	cctccctcct	gtccctgcca	ctccaacccc	240
aatcaccacc	atcacctgca	atccaaccat	gtccgcgctc	tggccactcc	ggttgacccc	300
tgcgcgcaga	aagagtacgc	ctttgaaatg	gccgcctcga	gcattcgctt	cggccccggc	360
gcgaccaggg	aggctggcat	ggatttcgcc	aacatgaagg	ccaagcgctg	gtgtatcggt	420
accgaccaga	acgtggccaa	actggatgcc	atgaaacaag	ccgtggaggg	tctgtcaaaa	480
gaggggattg	agtttacggg	ttatgacaag	gtgcgggctg	agccaaagga	tagctcgtaa	540

<210> 6718

<211> 768

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (585)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6718

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agagtgaag	acgccattgc	gttcgcaaag	ccatataacc	ccgatgcctt	tctggcggtc	120
ggcggcggct	cggatcatga	cacggccaag	ctgatgaatc	tgtatactgt	cttccccgag	180
gccgactttc	tcgactttgt	caacgcccc	ctgggcaaag	gcctccccgt	caccaaggcc	240
ctccggccac	tggtcgccgt	cccaaccaca	gcaggcaccg	gttcggagac	cacaggaacc	300
gccatcttcg	acctcgtgtc	gaaaaaagcc	aagaccggca	tcgcccaccg	caatctcaaa	360
cccacgtgg	gcattctgca	cccgtcaca	accgcacca	tgccctcggc	cgtccatgcc	420
tcgtcaggtc	tggacgtcct	ctgccactcg	ctcgagtcc	ggaccgccat	cccttacaac	480
gagcgcaccc	cgcgccccac	caacccccatc	aaccggcccg	cctaccaggg	agccaaccgg	540
aatttccgac	attttctcgc	tgcaagcccc	tgcgagcgc	cgtcnaatac	cttgccccgc	600
gccgtcccg	accgggacga	cttcgaaggg	ccaatcccc	aatgctcctg	gccccggact	660
tctggccg	gtcgggtttc	ggcaaacgcc	gcgcgtccat	ctattcccat	ctgcatggac	720
ttaccccat	tttccaaccc	agaacccggg	gcttacaagc	attgccgg		768

<210> 6719

<211> 612

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (428)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6719

atctgtatag	tgtcttcccc	gaggccgact	ttctcgactt	tgtcaacgcc	cccctgggca	60
aaggcctccc	cgtcaccaag	gccctccggc	cactggctgc	cgtcccaacc	acagcaggca	120
cgggttcgga	gaccacagga	accgccatct	tcgacctcgt	gtcgaaaaaa	gccaagaccg	180
gcctgcacca	ccgcaatctc	aaacccacgc	tgggcatctg	cgacccgctc	aacacccgca	240
ccatgccctc	ggccgtccat	gcctcgtcag	gtctggacgt	cctctgccac	tcgctcgagt	300
cctggaccgc	catcccttac	aacgagcgca	ccccgcgcc	caccaacccc	atcaaccggc	360
ccgcctacca	gggagccaac	ccgaatttcc	gacattttct	cgctgcaagc	ccctgcgcag	420
caccgtcnaa	taccttgccc	cgcgcgctcc	cggaccggga	cgacttcgaa	ggcccaatcc	480
ccaaatgctc	ctggccccgg	acttctggcc	gcggtcgggt	ttcggcaaac	gcccgcogtc	540
catctattcc	catctgcatg	gacttaccac	cattttccaa	cccagaaccc	ggggcttaca	600
agcattgcgc	gc					612

<210> 6720

<211> 657

<212> DNA

<213> A.fumigatus

<400> 6720

cgctctcgta	aaaacaggat	ggggctctaca	cattgcccc	ttcgtctccg	gcacagtatc	60
gaaccaaggc	agttgcccgg	ccgcagtgtc	cgctcgtata	cccgcgaaca	acgtttccag	120
gccatcgacg	atgtcctgaa	gccaggcgac	tatgtagtca	tcgaattcgg	gcacaacgac	180
ggcggcagcc	tcgcgaccga	taatggctgt	acagactgtc	ccggatcggg	cgacgagacc	240
tgactacca	ctttcaatgg	tgtcacggaa	acgggtgttca	ccttccccaa	gtacttacag	300

gatgcggcga	agatgtttca	gtccaagcaa	gccaaggtgg	tgatatccag	tcagacgccc	360
aacaatccgt	gggagaccgg	caccttttcc	tatactccgt	cgcgtttcgt	cgagctcgcc	420
aaattggctg	cacagagagc	tggtgtggat	tatgtggacc	acggcgccct	tgtggccgat	480
atgtacaaat	ctctaggcaa	gacgaccgtt	gactcatttt	tcccaaata	ccacacccat	540
accagctcta	caggagctga	agtagttgca	caagctttcc	tcaaagctgt	agtgtgcagc	600
ggcgctcggt	tgaaggaggt	cttgacaaca	acgaatttcc	cgggcaaatg	cctgttaa	657

<210> 6721

<211> 369

<212> DNA

<213> A.fumigatus

<400> 6721

ggaacagagc	tttcaagtac	aatcagacac	tctggaattg	gccctcaaac	ctataaacct	60
cgattcagaa	tgaaatgctt	cgcttttcta	tccgcgcttg	ccctctttcc	cggcaccttg	120
agtgaacca	tctacatggc	gggtgattcg	accatggcca	agggcggggg	cggatctggc	180
actgacggta	agtctcaagg	caagagccca	tttgcaaggt	acatctataa	cgctctcgta	240
aaaacaggat	ggggtctaca	cattgcccc	ttcgctctccg	gcacagtatc	gaaccaaggc	300
agttgcccgg	ccgcagtgct	cgctcgtata	cccgcgaaca	acgtttccag	gccatcgcac	360
atgtcctga						369

<210> 6722

<211> 198

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10), (11), (12)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6722

gcccccccn	mntattttta	cctagcgcg	tccttcgccc	ctgtggtgaa	gaacgagctt	60
gtgactaagg	cagcatttag	cgacggccgt	actgtgtatt	ttccccctag	gttatacttt	120
gaccgtcggt	cggtgactga	ctttctgggg	catttatggt	tcaatatgta	ctgcggcact	180
aatacatttt	tgagttaa					198

<210> 6723

<211> 672

<212> DNA

<213> A.fumigatus

<400> 6723

gtgataactt	cattttaagct	gccagtgcca	gtctttgaat	ccaacccagc	ttctccaact	60
atggccaaga	aagtgacatg	caagcagtg	gatgagaaaa	agccgacctg	caccaactgt	120
cgccagcatg	cagtcacatg	tgattatgcc	accgagtcga	ctgcaccatc	acgaccttcg	180
cgtggacaat	atcgcttcag	acagtccaaa	tacgaaatcc	agatagaccc	atcaacccca	240
gacaccaaga	gcatacagtc	atctaaccgg	ggtccgactc	cccctcccc	tctggagagc	300
atctccctcg	cagacctgca	ccttttccat	cactacgtca	ccgcatggc	cagcacatta	360
accgacggac	aagaccccaa	acacctttgg	gacgtccacg	tcccacaatg	gggcttcgtc	420
tttccatcca	tctgcatct	cctccttgcg	ctctcggctc	tacacctggc	gcaccagcac	480
ccggctctgc	gcgcccagta	ccggaaccag	gcagatgccc	acttcacctt	cgggtgtccgc	540
tccgtgacca	ccgtgctggc	cagcctgaac	gaagacaatt	gccagtacat	ctacatctca	600
gcgggtgctga	tctgcttcgt	gtactttgcg	catgggtccgc	gcacaggtga	gttcctcggt	660
ttcagcgaga	ca					672

<210> 6724
 <211> 777
 <212> DNA
 <213> *A.fumigatus*

<400> 6724
 atgtccgaac aggcggaact caacaaaaat gggtctcaag agggaaaaga cgtcaggccg 60
 ccggaacggg cccatctagc ccaggataca cttgcggatc ggcagggatc gttgggaccg 120
 ttgcatgagg atcgtccacg ccatattccg tcacagattt ctttgcgttc acagtcgcaa 180
 attgcctcga ttccatcaaa cacaggcgcg ccaccgaccg gcggcgaggc tgatgtcgct 240
 gaggagtgg catggggccc cgcgcacccg tgctaccctc atctgaatcc acatgttccc 300
 atcgggtcgc aagagtatct cactactcga attattcgaa tacgacgcga ctggatgggtg 360
 aagggagatc tggcgccgac gttctcgaac ctctatccctg agattttgga cccgttacta 420
 ccagaacagg agtttcggcg ggtgattgcy acggtgaatg aggaactcat caaggccttt 480
 gatccgttca gtttccgcaa tctgcttgat ggcgcgctgg gtctgggtcac aggttggctg 540
 tgggaagata tgggtgccgc tggatcaag agccatctgc aacaagtgga ggactggctt 600
 gacaagtgga atcgcgaggt cggcgcggaag gacgggggtac atatatggag tctgcgacgg 660
 acggcatacc tgtctttgga catccaaatt ccagatccca aggttggcat cgtccacagc 720
 gagggcatgt cattgcggcg gacgagacca aacagtggcg ttgggcttgg attctaa 777

<210> 6725
 <211> 201
 <212> DNA
 <213> *A.fumigatus*

<400> 6725
 ccgacttccc cacctacggc ccccatattat cctgagagct tctccggcag aatccccaat 60
 ttcattccctc ccttctgcca gggcgcccat tccaacgccc tctttcccct ttttgagaga 120
 ccccatattc aaaatgctct ccggcattct cgtcttcaac caaaaaggcg agaattctat 180
 cttccgcgcc tttcgcatg a 201

<210> 6726
 <211> 510
 <212> DNA
 <213> *A.fumigatus*

<400> 6726
 actgaccgac ttccccacct acggccccca tttatcctga gagcttctcc ggcagaatcc 60
 ccaatttcat cctcccttc tgccaggggc cccattccaa cgccctcttt cccctttttg 120
 agagacccca tattcaaaat gctctccggc attctcgtct tcaacaaaaa aggcgagaat 180
 ctcatcttcc gcgcctttcg cagtgattgc cggccgcgcc tggccgacat cttccgcac 240
 caagtcattt ccaaccccc aagtgcgctcg cccattctga cgtgggatc gacgacgttc 300
 agccatgtta agcacgagaa tatctatctg gtggcggtga ctaagagcaa tgccaacgca 360
 gcattggtgt ttgaatttct ataccggctg gtgttgctgg ggaagagcta ctttgggaag 420
 tttgacgagg aggcgctcaa gaataatttt gttttgattt atgagttgct ggtggtgag 480
 tattccctca aacagggggg tctagagtag 510

<210> 6727
 <211> 486
 <212> DNA
 <213> *A.fumigatus*

<400> 6727
 aggataatcg ttttagaaat cctcgacttt ggctatcccc aaaacaccga cccggacacg 60
 ctcaagatgt acatcacaac ggaggcgctc aagtctgcca tcgtcaacaa cccacggac 120
 tcgagccgga tcacaatgca agcaacaggc gcgctctcct ggcgccgtgc agacgtcaaa 180

gtaccgcaag	aacgaagcct	tcgtagacgt	catcgaagac	gtgaacctgc	tcatgtccgc	240
cacgggcacc	gtgctccgcg	ccgacgtcac	cggccagatc	gtcatgcgcg	cctacctctc	300
cggcaccocg	gagtgcaagt	tcgggctgaa	cgaccgcctt	ctcctcgaca	gcgacagcgg	360
cggcggtgct	ggcccatcct	cgctctcgca	cggccacttt	ggcagcaaag	caaccgcgcg	420
ggctgccggc	tccgtcacgc	tggaagactg	ccagttccac	cagtgcgtga	aactgggccc	480
ctttga						486

<210> 6728

<211> 813

<212> DNA

<213> A.fumigatus

<400> 6728

aaatcctcga	ctttggctat	ccccaaaaca	ccgacccgga	cacgctcaag	atgtacatca	60
caacggaggg	cgtcaagtct	gccatcgtea	acaaccccac	ggactcgagc	cggatcacia	120
tgcaagcaac	aggcgcgctc	tcttggcgcc	gtgcagacgt	caaagtaccg	caagaacgaa	180
gccttcgtag	acgtcatcga	agacgtgaac	ctgctcatgt	ccgccacggg	caccgtgctc	240
cgcgccgacg	tcaccggcca	gatcgteatg	cgcgcctacc	tctccggcac	cccggagtgc	300
aagttcgggc	tgaacgaccc	ccttctcctc	gacagcgaca	gcggcgggcg	tgctggccca	360
tctcgtcct	cgcacgcccc	ctttggcagc	aaagcaaccc	gcgcggctgc	cggctccgtc	420
acgctggaag	actgccagtt	ccaccagtgc	gtgaaactgg	gccgctttga	cgccgaccgc	480
atcatctcgt	ttgtgccggc	ggacggcgag	ttcgagctga	tgcggtaccg	cgccacggag	540
aacgtcaatc	tccccttcaa	ggtgcacccg	atcgtgcggg	aggtcggcac	caccaaggtg	600
gagtacagcg	tcgccatcaa	ggcgaactac	agctcgaagc	tggtcgcgac	gaatgtcgtc	660
atccgcaccc	cgacaccgct	gaacacggcc	aagacgaccg	agcggacgag	ccagggcgcg	720
gccaagtacg	agccggagca	taacaatatc	gtctggaaga	ttgcacgggt	atcccggcgg	780
cagcgagtat	gtgcctccgg	tcttcaccac	tag			813

<210> 6729

<211> 276

<212> DNA

<213> A.fumigatus

<400> 6729

tttgactttc	attgctctcc	catctctagc	tctatcatga	ttggagctac	tagacgctgg	60
ttccgacgca	atcgcaaaag	tctcgcgata	ggggctggca	ttattggagc	tggtatctc	120
gcaggacaat	atgtgctttc	caaaatcaca	gaagcccggg	agcagatgag	cagcgatcga	180
attgcccag	aaaagtacgt	tacctttgga	ttcaccttga	tcttttggcc	gaatgagatg	240
gacaaaacat	ccatccactc	gtgtgctcgg	ctttga			276

<210> 6730

<211> 393

<212> DNA

<213> A.fumigatus

<400> 6730

ctgattgatc	tgtctagttt	acggcgacgt	ttcgaacaaa	atcagacgga	ctgtacctat	60
actgtgctgg	ctctcttacc	aaccgcagcg	gaaggatatc	tcgaagccct	tcccgtggag	120
gaattgacca	agaatttgca	gaagaagcgg	gcggagagat	tggtctgact	ccaggctggg	180
gagggaaacc	tgctcgacct	gagctcgggt	tcaccgagtg	cagccgatga	tgatcgaaga	240
agcctctcaa	gcttccagag	cgatgggttt	gtccgtacaa	gtcaagtagg	agaatcgtcc	300
ttcgacggcg	aagggccggc	acgggtaaa	gcgaacaaaa	ctcaactctg	gaacgaggtt	360
aagatcactt	gtacgttgcc	ttcactcgta	taa			393

<210> 6731

<211> 294

<212> DNA

<213> A.fumigatus

<400> 6731

aactgctcag	acgggatagc	taacgtcgca	actgcagctg	tcaccagatc	gtttactctc	60
atctacacct	tgtccttact	aactattttc	acccgaatcc	aactcaatct	gcttggtcgc	120
cgaaattatc	tatccagcgt	gatctccctg	gtactcctc	cggcaaatac	ctccacgac	180
aaacttgagg	accatgatga	cgatgatctg	actcagacct	tgggaaatga	tttcgagaca	240
aacccgagat	atcttgcat	ccgctggtgg	ttgctcccc	gtggctggga	atga	294

<210> 6732

<211> 522

<212> DNA

<213> A.fumigatus

<400> 6732

ataggtcaac	tatgcaaaac	agaatggcaa	gaaggtccgc	ggacacacct	taggtattca	60
tgcgccctca	cggcatttcg	aggatacagc	caagctgaca	gtgtagtctg	gcactcccaa	120
ctcccgtcct	gggtgtcggc	tatcagcgac	aaaaacaccc	tgacctcggg	gctgaagaac	180
cacatcacca	ccgtcatgac	ccggtacaag	ggccagatct	acgcctgggt	attttgccct	240
ctatcccaca	caatgccagc	cccagcta	agctgcaaag	gacgtcgtca	acgagatctt	300
caacgaggac	ggctccctcc	gcgacagcgt	cttctccgcg	gtgctgggcg	aggactttgt	360
gcggattgcc	ttcgagacgg	cgcgctctgt	ggatccctcg	gcgaagctgt	acatcaacga	420
ttacaagtaa	gcttgtgggt	ttgtcgagag	atgtactccg	tcctggatct	gaccatcaca	480
gtctcgactc	ggctagctat	ggcaaaaccc	aggggatggg	ga		522

<210> 6733

<211> 399

<212> DNA

<213> A.fumigatus

<400> 6733

acgacagagc	ctggaccctg	tggagggtct	gtactacttc	tggcagtgt	ttgcaactat	60
aatactgctg	tagagactct	ctttcagcaa	acacttcaac	agacaagaat	ccaatctcac	120
tctatcatat	tcacgatggg	cgctctcagc	aagctcgta	gcagcattct	ctttgtctcc	180
ctggtttcgg	cgggcgtgat	cgacgaacgc	caggcagccg	gcatcaacca	ggcgtttacc	240
tcccatggca	agaagtactt	tggcaccgcc	agtgaccaag	ctctgtctca	gaagtgcgag	300
aatgaggcca	ttgtgcgcaa	agactttggc	cagctgacgc	cggagaatag	catgaagtgg	360
gatgcgactg	agcgtaggtc	tctcgccac	tgtggctga			399

<210> 6734

<211> 231

<212> DNA

<213> A.fumigatus

<400> 6734

cccgggtacaa	gggccagatc	tacgcctggg	tattttggcc	tctatcccac	acaatgccag	60
ccccagctaa	tagctgcaaa	ggacgtcgtc	aacgagatct	tcaacgagga	cggctccctc	120
cgcgacagcg	tcttctcccg	cgtgctgggc	gaggactttg	tgcggattgc	cttcgagacg	180
gcgcgctctg	tggatccctc	ggcgaagctg	tacatcaacg	attacaagta	a	231

<210> 6735

<211> 525

<212> DNA

<213> A.fumigatus

<400> 6735
ctcttctctga aggcactcaa acccaccttg gtgcgggtgc ttcgtccagc gtcaaaggat 60
aagtctcctt ggttttcttg cctacgtaac gctgacccc cgtgtacagc attgactgct 120
cttgctctt cggcgctctc tgaggctgcc attaccgagc tggatatcgc ggggtgcgagc 180
tcccaggact acgtcaatgt atgtctcctg attgccaatg gcagggtcat cgataactaat 240
agaaacagggt cgtcaaggca tgcttgatg tccccaaatg tgtgggaatc caccgtctgg 300
gggggtgtcg gacaaggact cctggcgctc ccgggtcttc tccgctgctg gttcgacagc 360
aactaccacc ccaaggcgcg gataatgcc tcatgtctg tctctgatct gggatcgggt 420
gcgtatgac tgccattaat gtggggaggc tggatgtact tagggtgcgc tgcgggactg 480
gacaccattc gaaatcatcc ctggcataaa acgggaacgc ttgga 525

<210> 6736
<211> 237
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (53), (63)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6736
ccttgcagca tggcggacct tcctttcatt accaacaggg gttacacggg gnccggtggc 60
gtncgacca agggccaccg ggctgtacag gttccctccc ccccacaag aaacgttaat 120
tgtcccaagc cgggtgttga gagtagtga tacagagcag cgggcatggt taatacaggc 180
tattttcata tgctgtcgt gcaaaccaag gggcatgtga cgatgcaggg tctgtag 237

<210> 6737
<211> 327
<212> DNA
<213> A.fumigatus

<400> 6737
ctgcaaagga cgtcgtcaac gagatcttca acgaggacgg ctccctccgc gacagcgtct 60
tctcccgcgt gctgggcgag gactttgtgc ggattgcctt cgagacggcg cgctctgtgg 120
atccctcggc gaagctgtac atcaacgatt acaagtaagc ttgtggtttt gtcgagagat 180
gtactccgtc ctggatctga ccatcacagt ctgcactcgg ctagctatgg caaaaccag 240
gggatggtga gatatgtcaa gaagtggctg gctgcgggca ttcctatcga tggaatcgg 300
gagcacaggc cgcggagctg tgtgtga 327

<210> 6738
<211> 582
<212> DNA
<213> A.fumigatus

<400> 6738
atcaatatgg cgcagccaca ggcaggttac tggacgcttc ctattattgc gtcttacctc 60
tccgaggtaa accctgcgaa taacccttat caggagagga tcgatcactt gtggtcgaat 120
atcctcaacc actacttccc actgcgcgat ggttttgta ccgagagga agcacttggt 180
aaacccccaa ggagatttgc gactaacgtt gctatcacca acgtgcgccc tttgggtatg 240
caciaagtgg ttctcgtcga ggctaagacc ttcccacgga acacggacat tggctgggtc 300
agcgtgtatc cgtgggcccga tgttgagagc atactccagt ccttcattgaa gaaggcccc 360
gatacctttg ggaatgtgca gactatgtac ggaattgttg cggttggaga taggggtcgt 420
ttctacacga tgaactcgca aaacaacacg ggcgcatcc ttacgccgtt tccagtagga 480
ggacctcagc ccctgctgag cgttcacact gatgcgcaca gtatccatga catcctgact 540
gccatttcgc tggagattcg gacgggggtg aatacatatt aa 582

<210> 6739
 <211> 1125
 <212> DNA
 <213> A.fumigatus

<400> 6739
 gaagaagggg tgtagagtc ctgtctaacg catgtcgatg gtcgcagttt actcttcgtc 60
 gcttcacttt tcgaagacca accagtcctc gtggatattt cgtcccccac accgatcaag 120
 cgaatactcc cctccgctcc atttcgtcct ccgccatccg cctcagaaga agtcgaccca 180
 gccatggcgc ccaagcaagc tgcgcaagat gcaaagcact cgacatgcgt cacaatatcc 240
 tcggcatttg gaaatcacat catagcaggc acatccaagg ggtggatcaa tatcatcgag 300
 acacagacct gcacgacct cactcagacc cggctgtgtt acggcgtggt cattctcctc 360
 cgtttggcaa gcaatggccg ggacctactc atcaacagtt ctgatcgcgt aattcggacc 420
 atcatcatgc ctgacctgtc acaactaggg atcgacctcg agcccgcgaa catcaaaacta 480
 caagtggaaac ataagttcca ggacgtggtc acccgactaa gctggaagca cgtcaccttc 540
 tcctctaccg gtgaatttgt cactgcctcg acctttatga atccggacat ctacgtctgg 600
 gagcgaagcc acggttcctc cgtcaagatc ctgcagggtc cccgtgaaga gctcggcggt 660
 gtcgaatggc acccgtcgcg ccccatggta gtgcgctgtg gcctagaatc cggctgcata 720
 tacacgtggt ccacgtcac gccacagaag tggctctgcc ttgcgcggga ttctggcgaa 780
 gtcgaagaaa atgtcgagta catggaacgg gaggatgaat tcgacattca cccggcggag 840
 gaaatccacc aacggcgctc cgaccaggaa gatgaagttc ccgatgtcct caccatcgaa 900
 ccgctaaaaga gtggcgcgga cgggtgagatg gaagccttcc gcatgccggt cctcctggac 960
 atttctgaca gcgaaagtga ggaggacata gtggcggttag ggccggggac gatgcgtcgc 1020
 cggagtcccg gtgcaggctg ggagtggatg aactccaatg gagacggaga caaagaaagt 1080
 gggaagcccg gtgctggtag aggtcaaagg ggccggcgga aataa 1125

<210> 6740
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 6740
 cgaaaatgta tggaaaagtt cggagacggc ccgaaaacat acggcaacac accttacaac 60
 ccaacaatat ccaccttttc ggtcgccaat tcttatgacc gggcaccttt cttcgttcaa 120
 taccagattc atgtcacgc ggagacctct gaaagctcgc atgaaaatac tggaacgaag 180
 gcttatcccg tttcctgcgc gttagaaagc ctgactgttg gcttttag 228

<210> 6741
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 6741
 acactcctgg ccgagaggct gtttaagaaa tcaaccctta agttccgttc cctgccggga 60
 aacccttttg ggctcaaaac cggaaacccc cctctcctcc aattctcggt gaaacaccct 120
 totcagggat ctgtgttttc cacattgttg ttcccccccg gaactatctc tgatattttc 180
 taa 183

<210> 6742
 <211> 1992
 <212> DNA
 <213> A.fumigatus

<400> 6742
 tatctcagaa ggagaaaatt ccccgattgg gtagtcgggtg cgcctggctg cctgaggctt 60

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caattatgca gcaatcggtc tccaaaaaga gttgatatta tattttcatg cctctcagat 120
caggaattgt cgttaataca agatactgct cttcaagata aaagcgcatt gcgcttcttt 180
caaatgagcg aatgttctaa gcgattagag cagcccctaa ggtataagct tctcaccgcc 240
cactggtgct ctatctcctc cgtatctgga tgggatgaat ctccgcgctg tcaacaatac 300
aatatacaga cacattgcaa ctaccaccca cgctcctgtc gacctagggg tccggacacg 360
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gaacgcccga acgcccacct cccaattgac gtgttcaacg ccagttccgt tgcggagatc 480
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ccttctggtc tgacactaca cctcaaaag ccattgaaag cagatcctcc tcatatcaca 1860
tctgcagtgg acgacattat gtatatggtc caccaggttc tgcaacagtt cctggccccc 1920
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tcacgggaat ga

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<210> 6743

<211> 549

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (531)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6743

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tggcaggtag gggctggaat cagtacctcg gcgggcattc ccgattttcg ctccccggac 60
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atcagttact ttcgagagaa tcctcgaccg ttctacgctt tggcgcgtga gttggcgctt 180
ggccggtatc gaccaactat tgcgcattcg tttgtcaagt tactacatga taagggactg 240
ctgttgaaac actttacaca gaacattgat tgcttggagc gcctggcggg cgtcccaggc 300
gagaaaattg tcgaggctca tggtagcttc gcgtcgcaac actgtattga ctgcaaggcg 360
gcgtacccgg gacctcaaat gaaagaggca attgccaaag gagaggtgcc tcattgtcct 420
cattgcaatg gttttgtgaa gccggacatt gtcttcttcg gagaagccct gccggaagga 480
attccatgca aaccgaagtc tgccaagaac aagcagattt atgtattgtt natggggggac 540
cagctcac

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<210> 6744
 <211> 768
 <212> DNA
 <213> A.fumigatus

<400> 6744
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 cctccctccc ttgatccctc catctggata gaaacctttc tctgcatcat catgacaatg 120
 tccaaggctc gaggacttgc tagagtgtcc tcaatggcta atttccgcac tgatgcgact 180
 ggaagcactg ttgacaatgc cagtcccgcg ccctcaccct ctttaccgcg tgagtctctg 240
 cgtcccagca ccacaacccat tgcctggacc atgatgtcgc tttgtctgtc agtactcctc 300
 tctgctcttg acttaacaat tgtcactcct gcaattccca ctatagtcgg cgcgttcaag 360
 actgccgctg gttatatttg ggtgggaagc gcctataccc tggcctacgc agccattacg 420
 ccagtatggg gctcgggtctc cgacatctgg ggtcggaaac ctattatgct cattgcgggtg 480
 gcggatatttc ttgtcggcag tcttgtctgc gcccttgcgc ggaatatgga tgctctgac 540
 gcgggacggg cgttccaggg attgggcggc tccggaatgg ggattatggt caacattggt 600
 gtcagcgata tgttttcgct gcgagatcgg ggtttatata tcgcaatcac ttcgcttggt 660
 tgggcgggtg gcagtgccat agggcccgtt ctcggtggcg ttttcaccac gaggcttagc 720
 tggagatggt gtttttggat taactgtgag gcattccatc taacctga 768

<210> 6745
 <211> 846
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (823), (829), (830)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6745
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 acgggcagtc ttttgattgt aggggggtgt ctgatggctc tctcgcctct tgagtttggt 180
 gatgtcggct actccttgtc ctctgcaacg gtcactctgtc ttggtagttt tggaacagca 240
 gtcattggcg tggtcgtggt gaacgaatgg aagatggcca gaacccatt atccatttt 300
 gctgttcacc tgcccgaaca gatagcgccc tacgttgccct tccatgtaat cataccgggt 360
 tatggacagg catattacct gcccttatat gcacaatccg tctgaccgc aagcgcgctg 420
 acttcgggtc tctacctcct ccgctcatc gtctcatgtt cctggccgc ggctgcagca 480
 gggatcctca tgcagcaaac cgggaaatat ctctccgtga tgtacgtcgc ccagggattt 540
 ttggtcctcg gctctggcct attgattagt ctcgagtttg aagccagcat caccaaactc 600
 gtcactcttc agatcctggt cggattcggg gtggggatga acatcgaagc gccgattctt 660
 gctgctcagg ccgcgaccag tgtcctggat acggcagccg tcaactgcgac aatgggggtt 720
 gttcgggtctc tctctacggc tatttcggtt gttgttgggg gtgtggtggt tcagaacgag 780
 atgtcttcac cagcaggggg atctatcaac agttgtcgat atnaaaatnn ccccgggcg 840
 ctgtga 846

<210> 6746
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6746
 gtcacttcca aaacaggagc acccagcagg agaagcatgc ctgtaatgct tatggcgata 60
 gcgggactcg aaaaggacat cactggccct gggatgactc cacttcggcc ctctctggtg 120
 gagaacatgc aggtgttgct gcgtctggtt ctgaaggtgt ctgcgggcat tctcgacgcg 180

aaggctattg aggatagtcc gaatttctcg actgagcctg cctag

225

<210> 6747

<211> 1104

<212> DNA

<213> A.fumigatus

<400> 6747

ttatctttga	tagatccgag	cagtaatcgc	cacctaatga	tacccttcgc	gagaaacccg	60
catttcgtgg	gccgccagaa	agagatccag	gaaatagagg	attcaattta	tgccgccagac	120
ggactaaaaa	aacttgctat	taccggactg	ggcgggtgtag	gaaagactca	gattgcgctg	180
gagctagcgt	accgcatgcg	agacagagag	cctgaatgtt	cgatcttctg	gatccccctgc	240
accagctacg	aggctgttga	gcaggcttat	attagcatcg	cacaaatggg	ggggctccat	300
actgtggagc	cgggcgagat	gaaagagcgt	ctccagactt	atttcagcca	gaccgacgag	360
aaatggattc	ttatcttcga	caatgcagat	gaaatggcca	tgtgggttaa	gggcagccct	420
gcagcaccat	cactcaagaa	tatcatccct	cggagcgaga	atggccatgt	actcttcaca	480
tcgcgcaacc	gccagcttgc	attaaagctg	gcagcatcaa	acgtgggtctc	tgtccctgat	540
gtggatcaaa	atattgccaa	ggagatattc	aggaaattgc	tgattcgga	ggatttgctg	600
caagatgatt	atgtgacaag	cgcgctcctt	gagcagcttg	cttttctgcc	tctggcaatt	660
agccaagccg	cggcttgcat	caaccaaacc	gacatatact	tagcaagata	tatgtcattg	720
ctgggtgagc	aagaggcaag	cacgatggaa	ctgctcggcg	gggagtttga	agatgatgga	780
cgctacgcag	ggatccagaa	cacggtggcc	acaacctggc	tgatctcctt	cttgacagatc	840
cagcaagtag	atgaggtagc	aggcgactat	ctgtcgttta	tggcttgcat	taatccacgg	900
gatataccag	agtcgattct	tcctcccaca	acttcaacaa	aacgaaaggt	ggaagcatta	960
ggtcttctca	aagcatattc	ctttgtcaat	gcacagggtta	atgacagtat	tttgagtctt	1020
catcgactag	tacatcttgc	tactcgaaat	tggctaagga	acacagactc	ttcaccacgg	1080
gatgaccgac	ccgcgcttat	gtat				1104

<210> 6748

<211> 960

<212> DNA

<213> A.fumigatus

<400> 6748

atcgagtaca	cctatggcat	ggtagtcacc	accctcgctg	cggttgaaga	cagcaacccc	60
gatatctatg	tccgcacga	cgggtgacatg	gatcccatca	agcccgggtga	tgatgtcgaa	120
cccaatttgg	cagctgtgcc	tcccaagccc	atcactagca	agctccgtac	cgccatcaag	180
caccttcgcg	cccgtgccgg	tccttgggtct	cgattccgtg	gcatgagcat	gttcttgaca	240
taccttttgc	ctcggggctt	cttgcttagt	atgatgccct	tcgaattgga	ccagtttggt	300
ttccagttca	tcttccaaat	ggttgttggg	gttctcttgg	cgaatttgca	gttggcttgg	360
gtccacattg	tcatctcgga	gccttcccct	aagcgcttct	accagcgat	tcctggctac	420
caggcctggc	tgaagattgc	acccgttgtg	gcctttgagc	atgctgttgc	tggctcttgca	480
ttctatgttc	ctctcattgt	gatgaatgct	tacggcctct	tggagaaatt	ggcctccgct	540
cccgatgatg	gtgttcctcc	cgccgagacc	gtccgccagg	cgctcaccgt	tgctcgctctt	600
ccttctctgc	tttactgat	cgcgtccatt	cctgctcgcg	tagtcttcat	ccgtgtcgcc	660
gcttcaatgt	tgcccagga	ggacgagtct	atcgtgcctt	tcgatcgctc	tttcggcgga	720
aagggtggctc	ctgcgattct	tgggggcagc	ggtaagctca	gcataccga	tgcttggaag	780
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cttgagtcgc	gcgtgtttgt	ctttttctcg	ctggcgctcg	caggcgaaat	ttatatggga	900
gcgagggtc	tcatgaagat	cattgcggat	atgatcgctc	gcagcggcgg	cagcgcttaa	960

<210> 6749

<211> 870

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (249)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6749

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ctgggatcat	acatcatcga	caacgccaat	tgggtggctt	tccaaatcaa	cagtgtcctc	180
actggctgga	cagtaaaagg	cttgcagagg	acgatatcgt	ggttgatgga	ctggccggcc	240
ggcttgaanc	ttaataacga	acttgctgca	ttcttgggtg	acctctttct	ctgggtcatt	300
gaaaattggg	cgggtatgca	ttttcttcta	ctagacctat	tgttctcttt	cgctaatttt	360
ggtgcagctt	gcattgcgaa	tctacagcct	tacctccgcg	atgtcatata	cgctcgttggg	420
tgctcgagtt	tgcgcggagc	gagcatgccg	atcgcccttt	tttccgatct	cgtctccatt	480
ctaaccgtgc	atatttactc	gttctacggt	gcgtccgccc	gcatattcaa	ttggcagctt	540
actatcatca	tatctctctt	tcatctcttc	cgcggaaga	agcgcaacgt	ccttcggcat	600
cgaatatact	cgtgtgatta	cgaccttgat	cagcttctgc	ttggcactat	tctcttcaca	660
gtcctcttct	tccttctgcc	gactgtgatt	gtattctatc	taacgtttgc	ctctgcgaga	720
atgttgatca	tctcgctaaa	agcggcactc	gacacatggt	tggcttttct	caaccatttc	780
cctctatttg	cgttgatggt	gcgcgtgaag	gattcccgac	ggttgccaag	tatgttgggt	840
ttactaatct	gtttgatcag	cagtcactga				870

<210> 6750

<211> 246

<212> DNA

<213> A.fumigatus

<400> 6750

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agcatgctcc	ctgcgcatcg	ggccgggatg	gccgaggtgt	ggtctctgct	gacccagccc	120
cgaaaaacaa	gcagtggtag	cagtggctct	tcttcgatgg	gaggggtcac	ggctgccaat	180
gggttagtta	ggattccatc	ggggtttggg	caaggagatg	tcagacgacg	gggttaccgc	240
tattaa						246

<210> 6751

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6751

aacaccctgc	ctgacctgac	ttcctcagcc	ggaactaacc	acatcaaagc	aatcctctac	60
aaatcccttg	gcctcgactc	gcgcaccatc	ctggccttag	ccgccgtcta	cggcacagtc	120
gccttctctc	caaactgcct	cacaaccaag	taccttactg	accaatgggg	acgccgaaag	180
ttaa						183

<210> 6752

<211> 222

<212> DNA

<213> A.fumigatus

<400> 6752

agtaatgggg	ctagcggccg	cgtcgcattt	cattgtcaat	gtagcaggtc	tgttccctcg	60
actctccccg	ctgggtacat	ggcaatggag	ctaagattat	ccgaatgtgc	agtcaccgaa	120
gcaggaccca	gtgcatttgc	gaacatccac	gagaactact	actatgtttt	cgtggcgtgc	180
acggcattct	ttttcgtggg	ggcttatttc	tatttcccgt	ga		222

<210> 6753
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 6753
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 gaaatctacg ccgcggtcat gcaacgcgaa ttccagaaca caaataaccg cgtcggtaag 120
 ggtttcgcca tattgggtat ctacatgttt gtcgtgatat attgtacgtc ctttctctcc 180
 ctttcctaa 189

<210> 6754
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 6754
 gggtcgcttg agccttggtta ctttgaaccg gtcggatcct tccagccccg tgggtgaagac 60
 gtgatcatgt tcgctggact ggtcacattc atgcccact cgcgcggca tctgatccgc 120
 aaaggcaaga tcgagcaggc gcgcagcgag ttctgtcgga tccggaggga tctccgctcg 180
 gacgatgtgc atcgagagtt tgagcttatg ctgcgcgaga ttaagtacga gaaggagcgg 240
 gagatcactt cctaccggga gatctttcgg ctgttcgggc atcgtgtgtt ggtgtaa 297

<210> 6755
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 6755
 tgtactgcta gtgagacgaa gcagaagact cttgaggaga ttgctgcgtc ttttggtgat 60
 aagggtattc tacctgagga tcagggtgat cagcaaggcg agaacgacga ggatgaggat 120
 gaggatgtga agaagggtgaa gcccaactct cagcaaattg aggtggctgt agctggaaga 180
 gatggttcag tctaa 195

<210> 6756
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 6756
 tacgtgctta ccctcgtccc acgtactcac gctcccagct ccttggtagt tggcgtactc 60
 cgtaagaaaa ccaaataccc accaccaag gctcgtccac tccccatccg catcgtcag 120
 ctgttgctgc agaccgaaaa aaagggcgcc aaagcgatct cctacttcct cttagttcaa 180
 cttcctaggt ctaacggctc atag 204

<210> 6757
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 6757
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 cctcaggggg tctgcgctgc tgctgatgat gaggatgggtg atgaggctgc cagtccgtg 120
 atgacgacga tgaccacttg gcctgttgag acagactacc cttccgacta tctgtctagt 180
 tggtcattat gggccggcct gacaccata accacaacca cagcagcagc agctactata 240
 actatatctg gactataa 258

<210> 6758
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 6758
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 tcctaccttg gtaccttagg tacctttatc ttggatggat ccgaggtggg tattatgggt 120
 acgtattatt gttacctggc tggatatggg ttattaacta tcttatttta cgggggtat 180
 acccatgggt ttacggatcc cttgcagcat tcaactgttta gccggctgag cggagccagt 240
 cacagagctc gaacagccag ctga 264

<210> 6759
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 6759
 agcacaggca agtgggacct tcaaaacact gatagtttga ctttgtatgc ttttgctaag 60
 tatgtccaga acgcgctggg caacatctac ccacacctcc ccttggcgcc accgcctcca 120
 accagcgcga ctattctatt caagattggc gaccttttca cactctataa caaaggcact 180
 gtaaaactggc ctcagacacc accctcgaca acaacttag 219

<210> 6760
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 6760
 ctgacggctt tcatagatat cggtcccat gtcattggctg gtatcattgg tatctatgga 60
 ctggtcgtat ccgtcttgat cgcaaacgac ttgggtcaga gcgttccgtt gtacacaggg 120
 ttcattcagt tgggtgcagg cctggccgctc ggtctcgccg gtatggcagc tgggtatggt 180
 ccaccatcac gaactccctc ctcaaattct gtgagtaatc aactgacctt ggtctcctgc 240
 agcttttgcca tcggtattgt cggtgacgct ggtgtccgtg gaaccgcca gcaaccaga 300
 ctttatgtcg gtatgatttc gatcctgatt ttcgctgaag tcttgggtga gtaccatgat 360
 atgtga 366

<210> 6761
 <211> 396
 <212> DNA
 <213> A.fumigatus

<400> 6761
 cccttcttcg gtgctctcgg ctgcacttct gccattgtat ttacctgttt cggagctgcc 60
 tatggaactg ccaaggctgg tgtcgggtgc tgcgggatgg ccgtccctcg gcccgacctg 120
 atcgtaaaaa gtatgtttac agcatcatat cgattcggaa gacccgatga tgtattaact 180
 gacggctttc atagatatcg ttcccattgt catggctggg atcattggta tctatggact 240
 ggtcgtatcc gtcttgatcg caaacgactt gggcagagc gttccgttgt acacaggggt 300
 cattcagttg ggtgcaggcc tggccgctcg tctcgcggt atggcagctg ggtatgttcc 360
 accatcacga actccctcct caaattctgt gagtaa 396

<210> 6762
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 6762

tatctatcag	acattatggc	gcctatgtcc	attgcagacc	ttgtggctgc	cctccccgct	60
gaggacacct	ggggcccccgc	cactccctcc	gacaacatgc	tcgatggcgt	tccttacgct	120
ccctttctcaa	agggtgacaa	gcttggccgt	atggctgact	ggaccgggtga	tggcaatgac	180
cgtgacagga	gtggctcgtca	ggcctacaat	cggaattaca	gaggtgagcc	caatcgtcct	240
gcacgtcgtt	ga					252

<210> 6763

<211> 1512

<212> DNA

<213> A.fumigatus

<400> 6763

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tatacgagtg	gtctgcgcgc	acaaccatca	ctgcggcaaa	tgtctacgct	ttctcgctcg	120
aattctagac	acaattcacc	agctctcgac	tatcatacaa	cgtcgcggaa	tgaggagatt	180
tcgatttcga	gacagtattc	agccgggtgac	agctccgatg	atgaggttcc	ggagcccaag	240
ttcagcgctt	ccgtcaaggc	tctcctcgac	gaggacggac	ttgggtcttc	ccctcatctc	300
aagtacagca	gcaacgagcg	tccctcttca	actgaacgcg	caatgtcagc	tgcgacaagt	360
caatcgaggc	agtcccgaac	atcgctaccc	cttgatcgat	caaccggaag	ccccgctcct	420
cgggtagtac	gcatagctcc	agctctcgcc	aacaacaata	ggcatgcacg	agaaggctcc	480
cctctagcac	agagtgcgag	cgcaggctct	agcgcgaact	atagctcaaa	agaactcatc	540
acgcgggccc	ccagaccgcg	cagtgttcgc	atcactgggt	cgcggagtca	tacacggctc	600
cctacttcag	agtcctccctc	ccaaaagcgg	tcggctgata	ggagctccgt	tcatgaacat	660
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cggtttagca	ctgcatctgt	tctccgctcg	cgccatgggg	atgatgtggg	catgcagagt	780
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cgacatagag	aatcgagtct	cgaccccaac	gacgacaacg	ccgaatatcg	ctataatgct	960
aaaacacgaa	cctcctcatc	gccaaggta	acatgggcag	accccagccc	gtctcaggaa	1020
gctgagcgac	cccagacata	tgatcccgtc	agtgtctcct	ctggggagggg	cccattctcc	1080
aggtcttcat	cgccgaggtc	ctccggatca	cactccaaat	cgacacctgg	ttccgcctcg	1140
gaaatgtcct	cgaagccttc	aagtgtcat	gaggagcctg	tcttcaagg	cccaccgtt	1200
cctcaactcc	cggccaccgg	agaccaagag	aatgagcctc	caccaacggt	caaacgggat	1260
aagccccacg	ggcttagtct	cctaagtaaa	ccggagaagc	tctctgtgg	gtacggggac	1320
gacaagaaa	acaatgaaga	gacgccagct	ggacattccc	ctcgcaagat	tctagcaaca	1380
cggagtagca	ataccctca	ccggccagcg	ccccatcctc	cgaagatgtc	gatgcttgag	1440
accgccacgg	cgacgggagg	agcggccacg	gcatgtccat	gtctacacgc	caaggctgga	1500
aggaaacgcg	tt					1512

<210> 6764

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6764

atgtccgact	tacctaccgt	cctaccctac	caattagatg	acgacggact	cctctacatg	60
acgaaacatc	gcttaattag	cgagggaatc	actgaggaa	cttgatctta	cattccgcgt	120
ccccttgcca	aggacatgtt	ccggttgatc	catgacaaat	ggaatcatca	aggcattgat	180
aagtgcctgg	cttcacttaa	tgggtttacg	ctgtactaa			219

<210> 6765

<211> 237

<212> DNA

<213> A.fumigatus

<400> 6765

ggccgctgta	tactatgtca	gtacattgaa	cactatccag	tttgtttgca	gaacaagatc	60
cgccattaca	agctatatag	aagcctccaa	cccctgcagg	tcccgcctgc	tctatttaag	120
attattacta	tagatttcat	cgtgggctta	cctgacgaca	atggctatga	tcaactgtta	180
gtcatcatta	ataaattcag	taaacgcgtt	agtcttatcc	ctggtaaatac	aacatag	237

<210> 6766

<211> 255

<212> DNA

<213> A.fumigatus

<400> 6766

aaaggctatt	tactgtgct	gaaagcacgc	tggctatact	cagcagcatt	ccacccacag	60
actaatggtc	agactgaacg	tggtatccaa	gtcattaaag	tcatgttgcg	ccattcctac	120
actaccgctg	aacaacctga	tctgttccgc	tggaacaatag	atctaccgag	tatcatctcc	180
acaatcaatg	ggctactgaa	tgaatctaca	aacgccactc	cgcaccaact	actcttcagt	240
attaacctct	gctaa					255

<210> 6767

<211> 549

<212> DNA

<213> A.fumigatus

<400> 6767

cttgatgctg	aagaatccat	aaagtacaca	tccatagcga	tgaagagat	ctacgatcgg	60
aatcataaac	caattaaatt	ccgcgttggt	gatcaggtct	atgtccgact	gtaccgtggc	120
tattccctac	caactaagca	agccaattat	aagctccaat	tgcagaatgc	tggaaccattc	180
cgcgatttgg	aacgcgttgg	aagactcgcc	tactatatca	aactaccctc	tacatggaag	240
atccatccgg	ttttgtccgt	cgcccacctt	gaacctgcgc	cggccacccc	cgatccgttc	300
caccatgagt	taccgaagcc	tcccgcggtc	atcgacgcgc	aggtctaccc	cggtgaggat	360
gacatataca	aagtcaaacg	cttgctggac	aagcgtaccg	ttcagcgtgg	acgcaaacat	420
accccttatg	tggaatacct	tgtgcggtgg	aagggatagc	gaccggaaga	cgaccaatgg	480
gttcataaag	atgatcttca	aggttctctc	aaactcattg	aggcattcga	acataaccgt	540
cctatgtaa						549

<210> 6768

<211> 891

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (83), (272), (461)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6768

taccgcacaa	accactttct	ttataaagga	acactcgcag	tgaatcgctt	ggattttcaaa	60
tatcatcctg	tcgcaatggc	tentatcttc	aagtcctttg	cgctcggttag	cgctcttttc	120
gctgccatca	gctcggccgc	ccctgtcaac	cttgacaagc	gtgaagtgga	cgtagtgtgg	180
acaacgggtc	ccactgtcgt	ctggaccacc	atcgatgtga	ccactaccat	ctaccctact	240
ccgcaggctc	ccactcccc	tgtcggttag	tntactccga	ccccaaactcc	atcagctgct	300
cccgagcagg	ccgagccgat	cgagacctca	acgcagcccg	agaccaccaa	gtctcagccc	360
actcaacctt	ctgtcggtac	gttcattcct	gtcgccgcgc	ccgccgctgc	tgtctgtgat	420
tctgctgctc	ccatccctga	agagccggct	cctcagcctg	ntaccaccgc	agctccttcc	480
acttctacta	ctaccagggc	tgccccgtcc	gtccgcccag	ccgctaacag	cggttagcact	540

gaaaaggcgg	ccagcagcgg	atacagtggc	ccctgctcca	agggctcacc	ctgcgttggc	600
cagctcacgt	actatgacac	ggctacttcc	gccagcgctc	ccagcagctg	cggcctgacc	660
aacgacggct	tttctgagaa	cgtggtcgcg	cttcccgtgg	gcatcatgac	tgacgctgac	720
tgcggcaaga	ccgtgaccat	cacctacaac	ggtatcacca	agaccgctac	tgtcgtggac	780
aagtgcattg	gttgcaagcc	caccgatctc	gacgcgtccc	ggcacttgtt	cggcgagctg	840
gctgatttca	gtgcgggccc	tatcgacggc	atgtcgtggg	acttcaacta	a	891

<210> 6769

<211> 396

<212> DNA

<213> A.fumigatus

<400> 6769

gtggccttgt	tctcggctcg	attggcgccg	gtgctaagta	agctgtccgg	acctgcagcc	60
gaagtgaat	ccatctgctt	gaccatggtc	tctgccggcc	tggataccgt	ccctggcaac	120
ctgatcatgg	gcatcgccct	cctggcctcg	gaggccggcc	agcgcatcca	gcaaaaggcc	180
tacgaggaga	ttctaaaggt	ctacccgaat	ggagacgctg	gggaaaagtg	cctcgtcgag	240
gagaaagtgc	cctacatcac	ggcctcgtc	aaggaaaccc	tgagattttg	gaccgtcatc	300
cccattctgc	tgccccgcga	gagcaccaag	gacattgtct	acaacggcgc	caccattccg	360
gcgggaacga	cctttttcat	ggtaagtcgt	tattga			396

<210> 6770

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6770

aagacgaatc	gcgaggccga	gggattccgg	gtgcgtcgcg	acaagtacct	gacgttcttg	60
ctggatatgc	tcaaggagcg	gatcgccaag	ggcacccgaca	agccatgcat	taccggcaac	120
attctcaaag	atcccgaagc	caagctcaac	gagggtaagt	ggccttggtc	tcggctcgat	180
tggcgccggt	gctaa					195

<210> 6771

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6771

ttccgccctc	gagcggaaatc	cccgcatttc	ccgtctgcat	tcgtatttcg	tcctccaccg	60
cgtccacttg	aatcccttca	tcattttctat	aacatcatcc	tgttcacgac	gatggaccat	120
actcagaccc	ccctagtccc	agattcatgg	ccaaacgccc	gggatgagga	cgcccgctcc	180
cgtaaacgac	ggctgaaata	catcaccaaa	gcatggtga			219

<210> 6772

<211> 207

<212> DNA

<213> A.fumigatus

<400> 6772

gcctccggct	accacggacc	accaccaaca	atcagaacta	actcaccgcg	tagcaatgaa	60
tgcaaacgcc	gcaagatcaa	atgcaacggc	caatcgccct	gccaacgctg	cggccggcaa	120
cagatcgaat	gcgtctacgc	ggggaggacg	cggccccccg	actcgagtga	ccaacagtac	180
gtgcatgcat	tgattcattc	catatga				207

<210> 6773

<211> 375

<212> DNA

<213> A.fumigatus

<400> 6773

aacgcatacg	ccgccgacta	cgacgacgag	cacttcaaga	tgcccgacaa	gttcattccc	60
gaacgggtacc	tgcagctcag	cgaaggctcg	ggcaccctc	actacggcta	cggcgctgga	120
tcgcgcatgt	gcgccggctc	ccacctggcc	aaccgggaac	tgtacacggc	gtacatccgc	180
ctgatcacgg	cctttacgat	gcacccggca	cgcgatcccg	ctgaccagcc	aatcttggat	240
gcgatcgagt	gcaatgccat	tccgaccgcg	ttgacgacgg	agcccaagcc	attcaagggtg	300
ggattcaagc	cccgggacgc	gtccaagctg	cagcaatgga	ttgccgagag	tgatgagcgg	360
accaaggagt	tgtag					375

<210> 6774

<211> 363

<212> DNA

<213> A.fumigatus

<400> 6774

gtagaaggat	ctgcctatct	gctgaacttc	cggtttcagc	ccgcatccac	gtttgatacc	60
gaaggagcct	tcagctcgcc	atctcctttc	ttcatcacct	acagcgacaa	gctgcttgac	120
tctacctcac	ctcaacccac	aatagatgct	acgacgctgg	acttggtatc	gccgcattcc	180
acgcacgcga	gcctcatcaa	gcatgccttt	tctccgtccg	gtcagaaggc	cagacccttg	240
cggttcgacg	tcaatggacg	aaaagggtcg	cgggcatctc	gcgtcttgta	cggcgatggg	300
ttgcgggtatg	aagtcctaga	catggatgct	gaattggccg	atgaggatga	agagagtga	360
tag						363

<210> 6775

<211> 201

<212> DNA

<213> A.fumigatus

<400> 6775

tccgtcgacc	cctgtggtga	agaccatcgg	cagtggctac	aagccggagc	aggcgttacg	60
agttactcaa	agccggagcg	ggagtttgcc	gaaacatgcg	agaagctgga	aagtgtggcc	120
cggtttgatg	tccccagcg	tgattcactt	gggcttaagt	ccagagtcag	gagagctcat	180
ttaagggtccc	aaagggtgcta	g				201

<210> 6776

<211> 504

<212> DNA

<213> A.fumigatus

<400> 6776

tacaaatatt	tgccgatccg	tcgactcctg	aaagggtgaag	acagtggccg	ccatctgaaa	60
atgaaaactc	tctcgagcac	agccttcac	tctctcctag	cctttacgac	agcagcagag	120
gcaatcttcg	acaatgtcac	tgtcttttgc	ccgccatcca	actggccttc	ccacagaacc	180
tcgtacggcc	gcacccttct	actagaccac	accaagaccg	accctgttct	cctatcgacc	240
tggtcggttt	ccccgccgga	tgggacatac	ctcccaatat	accggtcaac	cgacggcggt	300
caaacgtggg	ctgatttttc	aaagggtccac	ttctccaaca	acggaggcta	tgtgggtggt	360
tctatctggc	aaccgtttct	ctatgagctc	cctcggcagg	taggccagta	ccctcgagga	420
accatcctcg	cctccggcaa	cgctatcccc	cacgatttct	catcgacgaa	cattgaggtg	480
tatgccagtc	tggatagagg	gtga				504

<210> 6777

<211> 705

<212> DNA

<213> A.fumigatus

<400> 6777

aggttctcct	gggaattcgt	ctccgtcgtc	gcgactggcg	gtccaccaaa	cacgaccaac	60
ggcgcaaccc	cgggtgtgga	gcccttcata	tccatgtacg	aagacgagtt	gacgggtctac	120
tactccgata	aacgggatcc	gtccacggc	cagaaactcg	cccaccagtc	gacgcgggac	180
ctcgtccact	ggggccccgt	cgtcaacgac	gcagcctatg	cgaactacac	cctgcgtccc	240
ggcatgacga	cggttgtctg	gatcggaac	gggaaatacc	tcctctcgta	cgagctgggc	300
aacgcccccg	atgtcccgta	tgcagtccac	taccgtatcg	ccgacaatcc	gctcaagttc	360
gacgaagcga	cgccttacct	tctccagtct	cgagatggga	cgatcccgtc	cgcatgcccg	420
tacaccgtct	ggacgcctgt	tggtgggccc	cacggcacca	tcgtcatgag	tgacggcacc	480
tactcggaag	tcttcatcaa	ccgggacaac	ggcaaccccc	acgcctggat	caaggtgcct	540
actggcaagg	gcgtggcgta	ttccagagcg	ttgacgggtc	tgccggaccc	gagtgtgata	600
ttgttcttca	atggcggttt	gtatggtgaa	aacaatacta	ccgttacggc	gggagagtgg	660
attgtcccg	ggcatcagag	atcggtctcg	caggtggcca	ggtaa		705

<210> 6778

<211> 237

<212> DNA

<213> A.fumigatus

<400> 6778

gcaccctgtc	ccctgaaaat	tccccgggga	attactaacg	acaattcctc	ctcagctcat	60
gcgcttcatt	ctgggtggaa	ctctcgcaac	tcgaacagcg	tgccggactcg	gacaatcgca	120
gctgcattat	ataacatgtc	gtcgcagacg	tctcaaatac	ttggctcgaa	catataccat	180
gactgtgagt	gtggccagat	cccatccatg	agggcccttt	gttccttggc	taattag	237

<210> 6779

<211> 237

<212> DNA

<213> A.fumigatus

<400> 6779

gcatccactt	ttgtcaaaat	agcggatgct	cctcgttata	ttgctggaaa	caggacgcta	60
ctcatcatca	tttgactaa	catcgctcct	tatgccctga	cgaaactata	ctatgtgatg	120
cagaatcgcc	gccgggatat	gaagtggcag	gcaatgacag	aggaccaacg	agttgactac	180
gttgcgacaa	cacaggacca	ggggaataga	agactggact	tcagatttgc	gcattga	237

<210> 6780

<211> 204

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (11)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6780

ggtcctctaa	ntcaagggtt	ctgttacaca	gcagcttctt	ttgcggacat	cctcgctggt	60
tttctcgctt	ttgggattct	gcacctacgg	ggagttgggt	ggcacgccgg	ttggcgctgg	120
ctgttcttga	ttgaggtttg	tacgaggccg	agtccttttg	ttttgatgct	cattatttac	180
acaaataggg	gctgctcaca	ttga				204

<210> 6781

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6781

gacccagca	agggcactat	gcataatcgc	cagccgttga	ccctcaaact	tatttggcag	60
agtttcaaag	actaccatat	ttggcccttg	tatatcatat	gacttttgtt	cctgatacct	120
agtagtgagt	acaacacaag	attcgacgga	ttgtatcttc	cgccaaagtc	agctaagcc	180
aacagcaaca	atatcgcaat	actttacctt	gctgttgaaa	gattttggat	tcagcacttt	240
ccataccatt	ctgctatcca	ttccatgcac	gttacgcaat	ttcgaaaaca	gccacaaatc	300
tttgctgaat	actga					315

<210> 6782

<211> 642

<212> DNA

<213> A.fumigatus

<400> 6782

ctgatcaggt	ccaatatctt	tcccctgata	gccgagcaat	accgcgaaga	agtcccctac	60
atcaagactc	tcaagaacgg	caaccgcgtg	attgtcgata	ccgcggccac	catctctcgc	120
atctacctgt	acttctacat	gatgatcaac	attggctcga	tccctgggcca	ggtcagcatg	180
gtgtatgcgg	agaaatacgt	cggtttctgg	ctgtcttaact	tctgcccac	cgtcatgtac	240
ctgggctgcc	cgattgtgct	gttcttctgc	cgcaacaagt	atcacctcgt	caagccgacc	300
ggctcgggtct	acacccaggc	catccgtctg	tggaaactgg	ccatgaaggg	ccggtggtct	360
ctcaaccctg	ccagaatgta	tgtctctcct	ttcgcggtgg	tctgttggtg	gcattttact	420
gaccctcgca	gctggaagaa	gaacccgaag	cccttctggg	actcgggtcaa	gccctctgct	480
ctgggacgcg	accgtcccca	gtggatgacc	tttgacgacg	aatgggtcga	cgaagtcagc	540
cgtggtctca	aggcctgcaa	ggttttcctc	tggtagcccc	tgtactgtac	gttggtttcc	600
ctcactcggc	agagtcgccc	ctccagtcca	acactaattt	ga		642

<210> 6783

<211> 198

<212> DNA

<213> A.fumigatus

<400> 6783

cgggtagggc	tcgcctacaa	ccaaatgata	aacaacctca	cttcccaagc	agccaccatg	60
cgtctcggcg	gcgtcccca	cgacatcatc	aacaacctca	acccctctct	cctcatcatc	120
ttcatcccga	tcattggaaa	actcatctac	ccgggcctcc	gccgcatggg	gcatacaagt	180
caacccactc	aagcgcat					198

<210> 6784

<211> 444

<212> DNA

<213> A.fumigatus

<400> 6784

tccacggggc	tctttcttct	tctaattcct	cttcttctcc	atagcccagt	gtctgtggaa	60
caattccgct	gtatctgtct	ttgctttttt	atctttgttg	ccatgaacgt	ctcggacccc	120
gtcgaggtgg	cggaagtccg	ccgagccagg	gcttctgccc	aagatgctca	aatcgacgag	180
aagacggacc	acaaattgtc	gctcacgcct	agcattgagg	aggttcctcc	ggcgtcaaaa	240
gaagcgggag	tctcgtctgc	ggcttacgag	gacgatcatt	ccatcttaca	gaggcaattc	300
ccctctgatg	acgacttcaa	gcacctccgc	cggatagcgg	gcgatatccc	ttggactgcg	360
tacacggtag	cgtttgtcga	gttgtgcgag	cgtttctctt	actacggcac	gactgcagtt	420
tgtatgtggt	ctgatcttca	ctga				444

<210> 6785

<211> 237
 <212> DNA
 <213> A.fumigatus

<400> 6785
 cccatggtag tcaacgcggt ctggtcttac gtgatgcccc tggccggtgc ctacatggct 60
 gaccagtact ggggtcgatt ccggaccatc atgttctcca ttgccgcggc ccttctgggc 120
 catatcatcc tgatcgctc ggctctgcct ccggttattg cgcaccccaa tggtgccatt 180
 gcctgcttct cgatcggttt gcttatcatg ggtgtgggta ccggtggttt caagtag 237

<210> 6786
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 6786
 tttgggaagg gcccacatca tgccgtcacg acggcctgca cgaccggagc gcattcgatt 60
 ggtgatgcag ctcgttttat cactgtgtgt gatgcggacg tgatgctcgc tggcgggtgcg 120
 gagtcatgca ttcattccatt ggccattggc ggctttgctc gagcaagaag tctcgccacc 180
 gatttcaatg atgctccgga aaaggcatcg cgaccctttg atgcagaccg gaaagggttt 240
 gtggttggtg aaggagcggc catgctagtt cttagaggtg gtggcttctt cggcgacatt 300
 aattggtgct ga 312

<210> 6787
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 6787
 ttgttgctcg ctcttcctga ctttggggta ttagtgctga gggtaatgga cttggcttgg 60
 caggacgagc ggaagatggc tcggttcgct cagtatgcca tggctgcctc tgaggaagcg 120
 ctggaagatg cctgttgga gctacgctc ttcgaggaga gggaagctac agtacgtgac 180
 tgttga 186

<210> 6788
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 6788
 caatgtctcg tgcaggggta cagaaaagta tctccattgt ttgtcccaaa gctcttgatc 60
 aatttgggcg ccggtcatct gtctatgagg tatggattta tggtagtga tcaacctgga 120
 tcaatcactg aattagatgc tgatttggga agggcccaaa tcatgccgct acgacggcct 180
 gcacgaccgg agcgcattcg attggtgatg cagctcgttt tatcacgtgt ggtgatgcgg 240
 acgtga 246

<210> 6789
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 6789
 catctccagt gtgatgaaat caaacccaca tgcgggaact gtgccttgag aggagaaccc 60
 tgtgactggc ccgccgaaac tgactcgcaa gggcattgta cgccgcgggc acagactgac 120
 tccctccgtg cgaaagcacc caaggatcaa tctaagcgct gggcaccgca tccagacaca 180
 gcgtcaccac gcccgctgca gtttgatata gcatcagatg ccgccggtgg ccgctcgact 240

ctcctccccg	gggagttgaa	catggttgat	ctgcaactct	actcgcaatt	catgctgcac	300
acctccaage	acatgacgct	gaacttgccg	cggcaacaca	tctggcaaac	cgatcatccc	360
cgtctcgcca	tgcggagcga	ggccctcatg	catctcctcc	tggccctggc	ggggctggac	420
tacgcgcggg	ctgggacggc	cgatgagcat	ttaggactcg	tatctccaga	catacagagc	480
cagccctcgc	cagcccacgg	cgaccacgac	caccgccacc	gccacaacga	caccctggac	540
gccacgtatc	ttcggatcat	tatcgagcac	caccaacgcg	gcctggaagc	gttcaggacg	600
gaggtcttca	ccacggggct	ggaagggtcc	gccccat			636

<210> 6790

<211> 534

<212> DNA

<213> A.fumigatus

<400> 6790

catcaatcac	agacagaggc	cctgatggtg	ctatatctag	ctgggtggcca	tgatgaagag	60
tgctttgaga	ctgcaagtac	tgctcatctg	cggccactaa	cttctattac	agtgcctgtg	120
gttatgcagg	ccgtacttct	actagcagga	attgccttgc	tagcctcttt	cacacctgcc	180
acccttgcaa	gtcagcatgt	gcttggcctg	gaagcagcgt	ccgggtgtcaa	caatgacatg	240
gtcatcactg	gggtctacaa	agacgaaaag	attaaacatc	ctatgattat	tatccacgat	300
atcaatggca	agattgtctg	gaactgggtc	gtctccgacg	tcgggtgaaac	tgtaccgcat	360
gagctcctca	cttgtatttg	cacacatcgc	gcgggcgactg	aggtcaagtt	cgctgccaag	420
gggagtaaag	tactgcgat	cattggcagc	gctgctctgg	tgatcaatta	tccgggaaag	480
caagttctga	gtggcatctg	tcttcaccac	ccggggctgg	aaggatctcg	gctg	534

<210> 6791

<211> 867

<212> DNA

<213> A.fumigatus

<400> 6791

ttttcctctt	atctcaaagt	gagcaatttc	gccagtttcc	actccctgta	tagcagcaca	60
tgtgctgaat	accatctttc	agcccttgcc	aacggagctt	tattagctac	tgccctgtgc	120
aatcgggctg	tgccgaatgc	tcccgcagga	tacaccctc	aaggcgagac	ctgcccctcg	180
aaaaggccat	ctatccgcaa	tgccactgca	ctatcgagcg	ccgagacatc	gtggctgaaa	240
gcgcgaaagaa	acaataccaa	ggatgccctg	aaagcatttc	tcagcggagt	tgacctcggt	300
tctttcaatg	ggtctgacta	tattgcta	cattcagcta	atgcatctgc	gttgcccaat	360
atcgggaattg	cagtatctgg	cgggtggctat	cgcgccctga	tgaatggcgg	aggtgcactg	420
caggcgcttg	ataatcggac	cacgaactca	accacagcg	gccaactggg	cgggaccta	480
cagtcagcga	cttatctttc	gggactcagt	ggcgggagtt	ggctgggttg	gtcgatatat	540
atgaataaatt	tctcggatgt	atcgctcgctg	caagacaatg	gttctgtgtg	gcagtttcag	600
gattctatct	tcagtgggtc	gactcagagc	accacatggg	atatcggcac	ggtggagtat	660
tattctcagc	tggtgggtgc	ggtggacggg	aaatcgaatg	ccggctacga	ggtctctatc	720
acagattact	ggtatgtttt	ttgttcccct	gccccctgga	gagagaaagg	aatactcact	780
atacacacag	gggacgttct	ctctcttacc	agctcatcaa	cgcgtccgaa	ggtggcgctg	840
gttatacctg	gtcgtcgatt	gctctaa				867

<210> 6792

<211> 831

<212> DNA

<213> A.fumigatus

<400> 6792

tttctcggat	gtatcgctgc	tgcaagacaa	tggttctgtg	tggcagtttc	aggattctat	60
cttcagtggt	ccgactcaga	gcaccacatg	ggatatcggc	acgggtggagt	attattctca	120
gctgttggtg	gcgggtggacg	ggaaatcgaa	tgccggctac	gaggtctcta	tcacagatta	180
ctggtatgtt	ttttgttccc	ctgccccctg	gagagagaaa	ggaatactca	ctatacacac	240

aggggacggt	ctctctctta	ccagctcatc	aacgcgtccg	aaggtggcgt	cggttatacc	300
tggtcgctga	ttgctctaag	caaggatttc	caagccggga	cgatgcctat	gcccttggtc	360
atcgctgatg	gtcgagctcc	gggcgagatc	ctagtaccgc	cgaacactac	agtcttcgag	420
tttaaccctt	gggaattcgg	aagctgggac	agatctctat	ccgcctttgt	ttccctagaa	480
ttcctggggg	cgaattttct	caaaggaaca	ctagcgacag	gtgaaaagtg	tgttcgagga	540
ttcgataacg	cagggttcat	catgggcacg	tcctcatccc	tgttcaatca	ggcattttctg	600
cagatgaaca	ataccgatgc	gccatccgtc	gtgaaggacg	ccatcagtgc	gattctgggg	660
aaaatcgggt	ccgagaacaa	tgatatcgcc	gtgtacaagc	cgaaccggtt	ctatcgctat	720
gcgagccagt	ccaaatacac	atcatcgccc	tcgttgaccc	tggtggatgg	aggagaagac	780
ctccagaaca	tcccgtattc	accacggggg	cagaaaatcc	gcgcaagcgt	a	831

<210> 6793

<211> 228

<212> DNA

<213> A.fumigatus

<400> 6793

aggaattgtg	aaatttcaaa	aattcaaaat	tgctgaaatt	taaaattaaa	taactttaag	60
cttccacctt	tggtggacaa	gttcaaagtt	tttttccccc	ccaagccttt	ttccttggat	120
tttaaattgg	tcaaaacctc	cgacacactt	ccctctttat	tgcttttttg	gccagggcct	180
tttgagggaa	cggaccgtcc	tttatgccac	ccacggttca	ataagtaa		228

<210> 6794

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (149)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6794

cgggccgaca	ctctccgtat	cgtttcggaa	cttaaggatc	gcatgggtcaa	gatctgggat	60
cccaggaccg	gcaaattgca	gcgcacattt	actggccatt	caggaccagt	gacttgcac	120
ggccttggcg	acagccgctt	cgctacagnc	aacgaagatt	gcaaagtgcg	catgtacagt	180
ttccagacct	ga					192

<210> 6795

<211> 405

<212> DNA

<213> A.fumigatus

<400> 6795

actaaacaat	tttcaaatgc	aggcactcaa	cttctctccg	gatacgagac	agctaccggt	60
cctcctcgcc	accaccaact	ctccccctcc	tatcctcctc	ctcctcaact	gcctccccctc	120
cctcctccta	gcagcccact	acatccgcaa	agactaccac	gccttctctg	ccctcggggcc	180
aggcgggca	ccctcaacac	caaccggcta	cgctcgcac	tgcatcctcc	gcctcttcac	240
cgtcccgcat	ccccctctct	ccccctccac	cccgcacatc	ctccacccca	agcacgggca	300
gctccccctc	tctttcccca	cccgggcagg	gccccgccca	accgtcgcag	ggatagctcc	360
cccacagaca	gacgaccag	cgcgccagca	aaacaatgta	cgtga		405

<210> 6796

<211> 462

<212> DNA

<213> A.fumigatus

<400> 6796
 ctcccggtcca gcacagtcag accacgcgaa cctgaactaa acaattttca aatgcaggca 60
 ctcaacttct ctccggatac gagacagcta cccgtcctcc tcgccaccac caactctccc 120
 ctccctatcc tcctcctcct cactgcctc cctccctcc tcctagcagc ccactacatc 180
 cgcaaagact accacgcctt cctcgccctc gggccaggcg gcactccctc aacaccaacc 240
 ggctacgctc gcactcgcac cctccgcctc ttcaccgtcc gcgatccctc ctctccccc 300
 tccaccccg cactccctca cccaagcac gggcagctcc cctcctctt cccaccccg 360
 gcaggggccc gcccaaccgt cgcagggata gctcccccac agacagacga cccagcgcg 420
 cagcaaaaca atgtacgtga cgctgtcgaa ccggatccgt ga 462

<210> 6797

<211> 273

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (155)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6797
 gttatgtag ttaatggttt aaaagggttc agacatttcg agaataagta cattcagttc 60
 accggtgtga gaaattcggg ggtcaagaca agatccctct tgtgtggaga acagtacttc 120
 cagaacaccc aggggtatcat attcgtcgtc gatancaacg atcgcgaccg tattgtcgag 180
 acccggaag atttgcagcg catgttgaa gaagacgaac tccgtgacgc tttactcctt 240
 gttttcgcca acaagcaaga tctgcctgta tga 273

<210> 6798

<211> 228

<212> DNA

<213> A.fumigatus

<400> 6798
 tgggtggggg accagggcgg gcaaagacac cttgcataca aaagggtatt gtttcttggt 60
 ggtatttgta tgttctctaa cggctcttca ttcctctatg ctattagctt ttatttcttc 120
 tttcgtccc gcgtcgattc caacaaatac tcctttgtgc ctttgaaaaa ccattttttc 180
 atctgttggt catgtcctcg agagttaagg ctggctcgac gtttatga 228

<210> 6799

<211> 516

<212> DNA

<213> A.fumigatus

<400> 6799
 acagatggag aactcctctc aaaagtgagt attggcgtct gcgcctgtcg gtgccgttgt 60
 tgggaatttaa ccaagtgtag tcctcaatcc ggcccgaata agtctccaat cctttccaag 120
 attcctattc ctactcacga gaacatttac accgttccca atatcctcac attttcccg 180
 ctagtgtcag ctcccttggt gggctacttc ctggttcacg atcatcatgc agctgcacta 240
 tcgttatttg tctatgctgg tctcactgat cttgtggacg gttatatgac ccggcggtat 300
 aacctgcaaa ctgtcgtcgg taccattatt gatccaatgg cggataaact gctgatgacc 360
 attggtgttg cttgcttggc tgtcaatggc tctattcctg gtgggtctcc tcgtccatcc 420
 aatgatgtcg accttgtggc ctcatcgaat atcgaacaag gggatcttcc ctatttctcg 480
 ggagtcactg attgggaaca gtatggcttg ccgtaa 516

<210> 6800

<211> 279
 <212> DNA
 <213> A.fumigatus

<400> 6800
 ttgggaacag tatggcttgc cgtaatcadc ctccggccgcg atgttggcct tgcattgtcc 60
 gcaatctact atcgtctgat atctctaccc ccgccaaga ccatggcacg atactgggat 120
 ttctccctcc cctctgcaga agtcaagcca acgggcatct ccaaagtcaa cacggccttg 180
 cagcttgtgc ttgtgggctc tgcgatcgca ttacctgtga ttccagaggc agttctcgac 240
 gcatggaatc tccaagatgg aatgacagcg ttgcagtaa 279

<210> 6801
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 6801
 gtaaaggggc cacttattct gacccgggta aaagggtatta aacttgggtt gcagttccgg 60
 tcaaaggttc taattgcggc cttcacccga tccgtgcgag atcctttcgt ccatgcccga 120
 aatgcaggtt tgcttgcgct ggctgcaaca atcgagtttt tcaacgagga ggattgcgca 180
 ggaaagattc ttccccgcta tttgtccctc tttgctagat aa 222

<210> 6802
 <211> 795
 <212> DNA
 <213> A.fumigatus

<400> 6802
 ttgttggccc taaccgaata tcctatgctg gtgagagacc aagcgaacaa aactctagac 60
 ttgtatctac agcgcattcg caatttcagc agctcaatgg ccgatacggc aataacagcc 120
 actgctagcg cagaaacacc taaggatgct gcacgaatcg gaacatcaaa tgataagtcc 180
 tgggctgggt gggcaatctc ctcgtttacc aacaaacttg cgacagcgaa cgggtgagata 240
 cagccaagta cgggaactag taaactggcc gagacggagg caactcgctc agtatctgta 300
 cctcgcccca cacaatcadc acacccacg cagctggatc tacctaagaa agaattacgt 360
 gccgaagctc aacctcttgg acgatctcta tccgatcagc cagtttcaac ctccataacg 420
 gcgaatggaa cggacgatgt ctacgaagct tggggtgctg ttgatgacga tgaggaggag 480
 aatggattga aagacgacga cccgttcagt gctccagttg tcaccagctc cccagtgcc 540
 aagtccgcca ctgttccatt cgacgatgga ggtgagcctg attttgcggg gtggttagcc 600
 gcacaatcca aggccaaagc gaagaaaccc ttgcccaagg gtttgagcaa gcccgcgca 660
 accacaaccg gtactcgaaa ctccggccat accaaccctt ctaaaccaaa gacgggtggtg 720
 gctcccacca aaaaaattga tacgaagcct aaggatgagg gcgaagatga tgggtggggg 780
 gacgcctggg attaa 795

<210> 6803
 <211> 246
 <212> DNA
 <213> A.fumigatus

<400> 6803
 acagctgctt ctgggggctg tacattcacc aacaccatcg tcgatatctt tgtcatcctt 60
 ttgttagtat gcagaagagg aaacctctcg ctcatcttcc aaccccgagc ttggactctt 120
 cccactgcat ggctcggcat ttccctgggc cttctaagt cccatgaggg attctgggtg 180
 gagtctcgct atgctcgagg cgggatgagt aactgtcctt gcagcgtact tcccgtgtct 240
 ggttga 246

<210> 6804

<211> 186
 <212> DNA
 <213> A.fumigatus

<400> 6804
 caactagccc gacagcttaa gtaccctcaa cccaatcagg atcgacttat ccaacgaata 60
 gcaaccaact atctatacat ctcttcccg gcagaggaac acgatgctgt ttgttcaaca 120
 gccagccac cgacagtcaa tacttcacaa ggaaatcaac atggctgggc ctgccacatc 180
 ccttaa 186

<210> 6805
 <211> 261
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (226), (242), (251)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6805
 tcatgtttac cgattatgtc gacacgatca cgatcacgat ctctctcta tgctgtgcat 60
 gactttatgc attacgattt gaataccaat atactacgcc atgtctttat gaatcacgcc 120
 gtcttgctcg ataacaatga gagtccccat gtggacgact atcaggcttg tcacgccttt 180
 cgctcgaaca ctctctatct ttggaaattg atgggctatg gccaanccaa gaaacgaaca 240
 anccaccttt ntataccctg a 261

<210> 6806
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 6806
 tttagtcttg aagaattcct ggcaacgtct gtctcgcgca accccaaggc gcaggagaag 60
 ctcaaattat ggctgtccgc cgctcggagc gcctacgtcc tgaacttcaa gtttgcacgt 120
 cgtccgaaga tctggatgct gtctggacta tatcttcttg aagacgcgtg tacaatggtc 180
 tctcgccata gctctagtaa gatatccgcc ggggtctcgg gctccctcgt cgggtgcgctc 240
 tcaagcgtac ctgtgggcgg ctttttgaat ctcggcgagg gcaattcctg ggaaatgact 300
 atggaactga ccgagcagca tgtttgggcc gctcagtacc gtttactaga tgctcgattt 360
 atcaaggtgg acaagagggc gccgtat 387

<210> 6807
 <211> 471
 <212> DNA
 <213> A.fumigatus

<400> 6807
 ggcgcttacg ctcggttcac tggctcctgga aagatactgg gaaccactgg ttgcaagaca 60
 ttatacccac gaattactga ggtatgtgcc ccctactctc tggccagtc gtcatttaac 120
 ttctctgata gccaggaagc actccaggag catgcctatg tcagcaatgt gtccaacgtg 180
 atcttccacg gacgctctcg cctgacaccg ggcatcagcc tcagcggtag ggacatcatc 240
 gatcttcaccc tggcttggaa taaggactcc gaacgcacatg tggtagcaaa aaagggagtg 300
 cgaataatcc tgaaggagta cgttttctgg cccatccatg gcatccatta tgcattcctc 360
 tcacatgatt tagtcctgaa gaattcctgg caacgtctgt cctgcgcaac cccaaggcgc 420
 aggagaagct caaattatgg ctgtccgccg ctcgagcgc ctacgtcctg a 471

<210> 6808
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6808	
cgagccacccc gcggtatcctt ccagccccgt ggtgaagaca gctgcatcc gcaactcgcc	60
agcctgttca gcgttttcac ggcatttaaat caagccggca gcatgttgcg cgattatagc	120
atccgtatct gcgtctgtac catggaacaa gcggccagga aacaaagggt ccagctcagc	180
attcagcttt ctcgccagca tggggaacca catgaccacg catag	225

<210> 6809
 <211> 2106
 <212> DNA
 <213> A.fumigatus

<400> 6809	
tgggggttct ctcatgcagg ttgtctcata gttaaagtgg tggatcacia gtcagtgtcg	60
gcccagcca gaaagtcgac tgcgccatca accaatggga acaacactcc tttctctata	120
cacaactaca atgaacacat cactccgtcg gcttacgtgc catatccgga gcaaaaccaa	180
ttaacctccg aggccactgt tactaagaca gatgcagcaa ccggtagcca atcagacgag	240
aatggcaaag tagagcaaac aggcgattcg gacagttcta acaaggagaa tgagtctgat	300
gcattacaaa agcagacccc ggcgaagcca cgcgtgttca cgaccgttct tcaccctact	360
cctcgctcat tacaggcgga acttacgttg cttgtacca cgctgatcc tcgtgctgcg	420
aaacagtccg ccacacactc gagcaccgc cgcagccca cctcatcctc tacagcccca	480
cagtctccag tgggtggcttc aaatccaccg gaccgaggcc atgttgcaaa gcgacagaag	540
atgctagtgg aaccgcagga tctattggaa tgtgaatcta aactaacgcg agcattggca	600
ccgccccctt tcttggtacc agtgaacagt ttggaagcag cgcaagatct actaaaatat	660
ttggaaagtc ccttcattg cgtccacccc cgtctccga agagaagaaa gcgtaccgtg	720
gcagagctcg ctgccgatga agccctcgcg gcggaggagg agcgatttat gctcatcatg	780
gacgaaagat tggagccggc cagctcaggc gctgctggtg gacccaaatc cgctgttgat	840
gacaccgggt gtggtgcgcc attcgaaccg cgtttctcaa ggttcaagac actggagaat	900
atccgtatgc agcatgagga gaaggccaaa cggaacacg agatcaaagt taagcaagag	960
atggccaagc gacagcaaca ggaacaagaa agagagaggc gtcggctgtt ggagcagcgt	1020
caagcagagg agcatgcaa ggaggaagct cgaaggcaac atctggccgc gcaacaggcc	1080
caggcacagc ttgctgcaca gcagcagaat cgacatgtca tgacacaggc aaacggggtc	1140
agccaggctc cccaatcgtc accagtgggt cgaaatcaga caccctcaa cgctcgtca	1200
ccgctgggtg gcaatacgat ggtcacacaa gccggtgttc ccatgagcat gacatcttct	1260
gcgcagggtg caggaagccc acagcgaccc ccgtcggcct tacagcacgg ccatccgaat	1320
atgatgagcc atccaatggc gccctcgagg agccagcagg gtcagagtcg gcacggcact	1380
cctcagatga ctcagggaac accggccatg tctcatgcaa ctccgatcat gcgcaacggt	1440
acacctactc agcgctgag ccatggcagc ccaagccagt cgaccatggc tccaacaccg	1500
gtaatgagcc caggccatga tgaacacccc gcagatggga ggcggtatgg gtcttacgcc	1560
gcaacaacag caaatgatac tgcaaaaggca gcagttgctc gcgcaacacg gacaactcgg	1620
acccgctcag ttcacaccgc agcagcttgc tcaattacaa gcgaacgcac atgctcagca	1680
aaatatccag tcgcaccagc agcagatgat gcaagctcag cagcagaacc atcaggcgca	1740
gcaacagaag ctgggggaatc agcaaacgta tcaagcttca ctgctgcgaa accagtggac	1800
ccagatgcag atggctcagc agcagcagca gacgcaaggc caacagccac aggtcaaca	1860
atcccaggtc catcagggca gcccgcaaat gactcctcaa caacagcagc agatgatgat	1920
ggcggcagct gctcaggcca atgctggaca catgcccgag aatttccagg gcgtcaatat	1980
ggcgcagcgg tacagccaac tctaccaaca gcgccttttg cgtctccggc aggagatgtc	2040
tactcggttt atggctcaat atggggcccc aacgcaatat ccgcctcata ttgcacagca	2100
gtatag	2106

<210> 6810
 <211> 762

<212> DNA
 <213> A.fumigatus

<400> 6810

gcccaggcca	tgatgaacac	cccgcagatg	ggaggcggta	tgggtcttac	gccgcaacaa	60
cagcaaata	tactgcaaag	gcagcagttg	ctcgcgcaac	acggacaact	cggacccgct	120
cagttcacac	cgcagcagct	tgctcaattá	caagcgaacg	cacatgctca	gcaaaatata	180
cagtcgcacc	agcagcagat	gatgcaagct	cagcagcaga	accatcaggc	gcagcaacag	240
aagctgggga	atcagcaaac	gtatcaagct	tactgctgct	gaaaccagt	gacccagatg	300
cagatggctc	agcagcagca	gcagacgcaa	ggccaacagc	cacaggctca	acaatcccag	360
gtccatcagg	gcagcccgc	aatgactcct	caacaacagc	agcagatgat	gatggcggca	420
gctgctcagg	ccaatgctgg	acacatgccg	cagaatttcc	agggcgtcaa	tatggcgcag	480
cggtagagcc	aactctacca	acagcgcctt	ttgctgtctc	ggcaggagat	gtctactcgg	540
tttatggctc	aatatggggc	cccaacgcaa	tatccgcctc	atattgcaca	gcagtatagc	600
attggactcg	agcggagcgc	caaagcctgg	gtgcaagaaa	ttatacggcg	cgaacgtgaa	660
gcggctcagc	agcaacgtgc	ctcgcaagt	gcggctgttc	agggcgaagt	catgcagcag	720
caacaacagc	agaatatgat	gcacaatgcc	atgggggaagt	ag		762

<210> 6811

<211> 567

<212> DNA

<213> A.fumigatus

<400> 6811

gcaagagatg	gccaagcgac	agcaacagga	acaagaaaga	gagaggcgct	ggctgttgga	60
gcagcgtcaa	gcagaggagc	atgccaaagga	ggaagctcga	aggcaacatc	tggccgcgca	120
acaggcccag	gcacagcttg	ctgcacagca	gcagaatcga	catgtcatga	cacaggcaaa	180
cggggctcagc	caggctcccc	aatcgtcacc	agtgggtcga	aatcagacac	ccctcaacgc	240
ctcgtcaccg	ctggttgcca	atacgatggt	cacacaagcc	ggtgttccca	tgagcatgac	300
atcttctgcg	cagggtgcag	gaagcccaca	gcgacccccg	tgggccttac	agcacggcca	360
tccgaatatg	atgagccatc	caatggcgcc	ctcgaggagc	cagcagggtc	agagtccgca	420
cggcactcct	cagatgactc	agggaaacacc	ggccatgtct	catgcaactc	cgatcatgcg	480
caacgttaca	cctactcagc	gcctgagcca	tggcagccca	agccagtcga	ccatggctcc	540
aacaccggta	atgagcccag	gccatga				567

<210> 6812

<211> 948

<212> DNA

<213> A.fumigatus

<400> 6812

gacgccaagc	cggtggcaga	gccactttgg	aagcaattaa	cgcatacggg	ggcgatttgg	60
gtttttgtca	gccctaagtt	tgcaaaaagt	gccaacaaac	gacagttccc	agcgttgaca	120
tacgtctgga	acggagtcaa	gtacgcctcc	tatgcgcaga	taatctcatc	gagcctccag	180
atggttgccc	acgcagctac	aggcgcctac	cagcagatca	acggcaccaa	ggccatgggc	240
gccgtcgaca	cactcaaccc	ggccattgct	cacactctgc	tcaaccccat	cgcgcgatcg	300
togatcgaca	tcaagccgac	gaaccaaggc	gtccggttct	actacaacac	cgtgtcgatg	360
gtgatgccga	tcttcgagca	gttcttcttc	ataatggctt	tgaacggcct	caccgcccag	420
tttgggggtg	tcttcggaac	aatgtctctt	cgcggcagta	tcttcctccg	cctcaccctc	480
tccgtcttgt	atactttcat	cgcggccctc	tgcatgacgg	gctacatctg	ggggttccgc	540
gaagcttggg	ctgtcacggg	cggccagttc	gccttgacgt	ggatggcgat	ctggctggtc	600
atgcacctga	acttcttact	gatcgacgct	gtgaccagcg	tgcttccgat	gaagtctcatg	660
ccgttcgcca	tcttcacctg	gatcatcata	aatgtctcca	gcaccatcgg	gccgtttgat	720
cttttcgcca	gcttctaccg	gctcggatac	gccctgcctg	cgtatgagct	ctatcaactg	780
ctcttgata	tctggacgga	gggttgtaac	ccgcctctat	accgggagct	gccgatcctg	840
ttcgcgtggg	gggtgggttg	atgtgttgca	ttcttggtctg	gaatgcggaa	gcgcgttctc	900

gcagcgaggg caggttacgt cgaaacccgt aggacagaca aggcctga

948

<210> 6813

<211> 717

<212> DNA

<213> A.fumigatus

<400> 6813

atgtcaaggc	gaccgctttg	gatgatgatg	gctgctagag	atgcgcctgc	tagacgtgct	60
gctcggcgca	caatggacga	ggccagcagt	cgtatagcct	ggacatcgac	ttggctaaca	120
ttttctacag	acaatgtgtc	ctggatgaac	ctgctggagc	cgtcaacgtc	gttggcatcg	180
actaatgcaa	gccccgacag	aaagggacag	tcgatgccgc	ctggctggaa	caccttggag	240
atctcttcag	ccttcattgtc	gaacacatct	attcgcagca	gttggacaat	cgccagccga	300
agaagctccc	cgaggtacaa	gccccgacacc	ctcttttcaa	acatctgcga	gcccggatcg	360
accgacgctg	cgtcgagggc	atcgctcgat	ggtgttcgcg	gtaagacttc	catcttgttg	420
tccagacagc	cccatctcgt	attcatcacc	atgatctcat	cctcgcgtgc	cttgacaccc	480
agtcgacgca	cgtcagccag	cttctcaaca	tatgcggcgt	tgggtccccgt	tccgacgatg	540
accgcgccga	gtgttgaaac	ctgctggccc	gagctatacg	ctcgcgtcaa	gagcgtacca	600
acactatcgt	ttgccagaac	ggtcaccaca	accggcagcc	ccagctcatc	gatggcctct	660
tgcaacataa	cgcacgggtc	tcggccaacg	gcgtcgggga	tatcccagcc	tttgtcc	717

<210> 6814

<211> 261

<212> DNA

<213> A.fumigatus

<400> 6814

tccacacaga	tgccccgcga	actctatctg	atcgacgtat	ttggttccca	ggctgctgcc	60
tctgcgcttg	gcgccaataa	tctcttgctg	tacattttca	gtacctttct	gccgctggcg	120
gggccaagca	tgtacgaggc	tttgaactac	ggctggggaa	ataccctgct	cggattcctt	180
gctcttgctg	ttgtccccgg	acctcttctc	ttctacagat	atggcgaaca	tcttcgtgct	240
agaacatctg	tcacactttg	a				261

<210> 6815

<211> 1080

<212> DNA

<213> A.fumigatus

<400> 6815

gacaaaggct	gggatatccc	cgacgccgtt	ggccgagacc	cgtgcgttat	gttgcaagag	60
gccatcgatg	agctggggct	gccggttggt	gtgaccgttc	tggcaaacga	tagtggtggg	120
acgctcttga	cgcgagcgta	tagctcgggc	cagcaggttt	caacactcgg	cgcggtcatc	180
gtcggaaacg	ggaccaacgc	cgcataatgt	gagaagctgg	ctgacgtgcg	tcgactgggt	240
gtcaaggcac	gcgaggatga	gatcatgggt	atgaatacgg	aatggggctg	tctggacaac	300
aagatggaag	tcttaccgcg	aacaccattc	gacgatgcc	tcgacgcagc	gtcgggtcgat	360
ccgggctcgc	agatgtttga	aaagagggtg	tcgggcttgt	acctcgggga	gcttcttcgg	420
ctggcgattg	tccaactgct	gcgaatagat	gtgttcgaca	tgaaggctga	agagatctcc	480
aagggtgttc	agccaggcgg	catcgactgt	ccctttctgt	cggggcttgc	attagtcgat	540
gccaacgacg	ttgacggctc	cagcaggttc	atccaggaca	cattgtctgt	agaaaatggt	600
agccaagtgc	atgtccaggc	tatacgactg	ctggcctcgt	ccattgtgcg	ccgagcagca	660
cgtctagcag	gcgcactctc	agcagccatc	atcatccaaa	gcggtcgcct	tgacattcaa	720
taccaacact	caaaacagac	agcctcactc	cccatcgcca	ggaccaaccg	cttcgagcac	780
actgtgactc	cccgtggcgg	ccgattgctg	agccgcctta	gattgagctc	gctacctagt	840
agacatctac	caaggcacac	acacctcccg	acctgtttgg	acgaggacat	catcgacatc	900
ggagccgacg	gctcactgat	cgaattctac	ccggacttcg	aggccgagat	gcgtggtgca	960
atgcgggatg	taccgcgagat	tggagaggct	ggcgagcaga	ggatccgcat	agggctcgca	1020

aaggatgggt ctggcggttg agcggccttg atggctcagg ctgcatgtca gagtgagtag 1080

<210> 6816

<211> 633

<212> DNA

<213> A.fumigatus

<400> 6816

gtcggaggag	cggacggctt	cgctcgggtatt	gctcttgccc	aggcatatgc	caacctcact	60
gtgtttgtac	aagatagcat	caatctcaag	aaagaggcgg	acgcgaagat	tccccagct	120
ttgaagtoga	gggtgttttt	ccaaccacac	tcgttcttcg	aaccgcaatc	tcgcctcgcc	180
gggatggctg	atgtcttgct	actccggcat	attcttcatg	actgggatga	taatgactgt	240
ctggtaattt	tgcgccatct	tgctgccgtc	ttgcaaccgg	gggcttccat	catcgtggca	300
gagcagggtg	tgggccaatc	gggaacctat	gactggcaga	cggaacgggt	catgcgggcg	360
ctagatatgc	aggtgatgac	gccgtttgga	agcaaagagc	gaacattcga	tgactgggag	420
acgctatttc	caggcggcag	atccgacatt	gcaagtggta	ggaatggttc	agcctgcggg	480
aagtgcggac	acactgatgg	agttgaagaa	agttgcttga	ttcgctttat	cttaaggatc	540
tgcttggtaa	ctagcatgtt	gttcattcca	tttcgacgaa	aaacagtttc	gctggagaat	600
agtgacttat	tgtctatccc	gaccagtaac	tga			633

<210> 6817

<211> 348

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (328)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6817

tccgtccatt	ccatccactt	cacaatgaag	cctcagactg	ctgctttcct	gctcagcctt	60
ctcggtctta	ccctgggtgc	ccccatccag	cacgcgcaga	aagggtccga	tgtaaagccc	120
actcctaccg	gacggggcgc	tcttggcgga	ttcttctactg	gcttccccctc	tggtgtcccc	180
tctggcctgc	catccggttt	ccctgggtgt	ccagtacctg	gaggatttgg	tggcgatggc	240
ccgaacggcc	ccattccatc	cggccctgtt	cccactggcg	ctgccccatc	cggcttcctt	300
tcgttcggga	ccggtcctgc	tccgttttnt	acaaggcggc	cgaaataa		348

<210> 6818

<211> 690

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (311)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6818

tcaacgaggg	aggccggttt	tacaaagccg	caagagtccg	acaccgcagc	gtatgcgaaa	60
tatgacaacg	atcttttcca	aaccggccgg	cttgtgacat	gcggcctcta	cgtcaacatc	120
attctgaagg	attatgttcg	caccattttg	aatattaaca	gaacagacag	catctggagc	180
ctggaccccc	gttctgaaat	gaaggatgga	ttacttggca	gggcagctgc	tcaagcgagc	240
ggcaatcaag	ttgctgctga	gtttaatctc	gtgtaccgct	ggcattcttg	tatctcccag	300
cgagatcaga	natggactga	agatatgtac	caagaattgt	tccctgggca	ggatcccagc	360
aaaatctccc	tgcaggactt	cttgcgagga	cttggtcggt	gggaggctaa	gctgccagga	420

gagcctcggg	agcgtccgtt	tgctggactg	cagcgcaagg	cagatggatc	gtacgacgac	480
aatgacttag	tcaaaatttt	cgaggaaagc	gttgaagact	gcgcgggtgc	tttcgggtgt	540
ttgcatgttc	ccacagtctt	caggagcadc	gaggcgcttg	ggattcagca	agcccgtccc	600
tggaacctgg	ctaccctaaa	cgaattcagg	aaatacctca	atttcgctcc	ctatcatcag	660
cccaggggtc	gaaggaccgc	gcattgcgcta				690

<210> 6819

<211> 717

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (173), (338), (362)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6819

atcctggccg	gccaaggact	gtccccatgt	ttgcctcgac	tgtacgcgtc	ttcgtttctcc	60
gtttccagcc	gtctggcttt	gactaatttg	attgcagcca	tccccgacca	ctgggcgaac	120
ctctactcgt	gcccgaattc	ctcgacgaat	gtgttcacat	gcgggtatgc	ggngtgggag	180
acggacgtct	gcagcgcgaa	tctggggcag	tggtctgtgg	tgagtgggga	tgtggagggt	240
gcgaagaacg	gaaacacgag	cccgtccgcc	tctgcttctg	cttcgacagt	gctggacatt	300
gtcacgacca	cgctcgtcgg	ttctggattg	tctacggnga	cgccgagggg	gacgattacg	360
gnggagatcg	tcacgacgac	cgagtccgcg	actgctacgg	gctcggggac	agggacggag	420
accagtagtc	cacggccggt	aaatacttct	atctctgcaa	ggacacttcg	ggcggggact	480
aggggggttg	aacctggagt	tccgctactc	gtggtatcgg	ggttactgat	cttttttatg	540
cgaatgagaa	ggcgagcgcc	ggcagcgcca	gcaccgccag	tcagtgaata	ggtctacccc	600
ggcgctgtct	acgatccagg	cgcagcgagg	attgccacgc	agagacacaa	tatggttacg	660
gagctggagg	ggtcggggcg	caatctaccg	gatcgaccgg	agttatatgg	tagtttag	717

<210> 6820

<211> 363

<212> DNA

<213> A.fumigatus

<400> 6820

ataaatgtct	ttaaggagtt	ccctcgacac	atttcccatc	ctcgacacct	gaacgctgtc	60
tcaagcagca	caatgtctct	ctcagcaata	tgtctcatgc	tcctcgctac	cctcacgcca	120
gtcacagcaa	catgctactg	gcccacggc	gacacagaca	acaactacac	cccgtgcccc	180
aatagcaaat	cctgctgtct	caagggcgaa	gcctgcctct	ccaacggcct	ctgctacggc	240
gcaaaaactc	acatcgctta	tcgcgggtgc	tggtccgata	aatcctggcc	ggccaaggac	300
tggtcccatg	tttgctctga	ctgtacgcgt	cttcgttctc	cgtttccagc	cgtctggctt	360
tga						363

<210> 6821

<211> 909

<212> DNA

<213> A.fumigatus

<400> 6821

aaccattca	tcattcgccg	tcacggcagg	gctggcggag	gaaccaaggc	cgtaacgccc	60
gtctccgata	ccgtctcggt	gatacactca	ttcgactcgg	tcacaaatcc	aaatcgacct	120
gcacgaccgt	ccccgttggc	atcctcgcat	atccaagcat	tacccttgga	cttgattgat	180
cgactacgtt	cccttccccc	gttccaatcc	actcccgaat	cgtttctggg	ggaggtcgca	240
cagcatctcc	gcccccaact	cagtgcgcgc	aacgattata	tcctgacaga	gggtgacgag	300
gccaaggcga	tatactgggt	ggttcggggc	gctgtctcag	ccacttctcg	cgatggcgaa	360


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agtatctatg ccgatttgga accggggcgcg ttctttggcg agattgggggt cttgatggac 420
cgcccccgaa cagccaccat catcgctcga acgcgatgtc tcctggtcgt tctgtccaag 480
gaggacttca ggaacattct tccccgattt ccagagggtg agcaagcgat acgggatgag 540
gccaggaac gattgatgat actggagaag aagaagaagg aaacatcaac cccttcggct 600
gacctcacta gccctgtacg cagaggctcg aagagactaa gagattcgtc ttctggggac 660
ctatcaccta tcgaacgtga aggcacatcc ttgaaggcgg gcaacaaaaa gcgcaagtgc 720
ccaagtcttg gagtcgggtg tgcagacgct tcgtcaagcg cgctggcgaa cgggtcggtc 780
aatgtccgcc tattgcttaa ggagttgcct ctcttctcta gcctaccccc cgacatactc 840
cactttctag ggctcaatgc tcaaccacga tcgtaccctc cattccccga cattatccga 900
ccagaatcc 909

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<210> 6822

<211> 618

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (231), (294)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6822

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tcgtgtttta ggatcgccgg ctacaagaca acagagacat ccctctccgc gcttttctac 60
cgactgctgt cgacccagg agtgctcaag aagctccaga gcgaactttt ccgcaacttt 120
ccgagcattg acgagatcac ggggaagaag ctgctctcgc tgccctatct gaacgggtgt 180
gtcaacgagt cgctccgtct caccgccccca gtggcgggca agttcgcgct ncgtcgggtct 240
ccgggagcaa tcatcgaaag gttctacgtc ccgaaaggga caaaagtgtt tacngagacg 300
tacaccatgc agcggagtcc ccagtactgg caccgccccg acgagtaccg tccggagcgc 360
tgggtggaac ggggcgaggg tagtccctat gcgcaggatg tgcacgaggc cttcaagcca 420
tttagctcgg gccctcgagc gtgoccttga agggaaatgg ccctccagac tctccgattg 480
acaacagcgc tgctggtata ccgcttccat atgaagatag tcgacgagaa acggtttgtg 540
tgggagcagg atactgactc cagaatgata tactctcaat atcagataaa ggccattctg 600
caagaccgcc tgacttag 618

```

<210> 6823

<211> 549

<212> DNA

<213> A.fumigatus

<400> 6823

```

tactgcgtca acaccgggta tgcgggctgc tcgggtgctga gcatcatccg caagatgcgc 60
gagatcagcc agtaccagac cccgggggcac tggctggaca tggacatgct ggagattggg 120
gacgggtgaga tgacgctgta ccagcagcag acccattttg cgttttgggc ggcgctcaag 180
tctccgctga ttattggggc cgatttgtcg aagctgtcgg acgagagcgt ggcagttctg 240
aagaataagg acataattgc ggtcaaccag gactcgctgg gccaggcggt gcattatata 300
gagtctgcga gcaaagaggg agcatggcaa gtctgggcgg gcccggtgaa cgggtggattc 360
gtggttcttc tggtgaatga gaagagctat ccccaggtct tgctcgggtct gtttgcggtat 420
ctgagattgg gccttgatgg gccggtccag gtcaccgaac tgtggtctca caagtcattg 480
gggaagggtg atggttataa aggcgtactg cagccctatc agacgctggg gtttagacta 540
cgcttttag 549

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<210> 6824

<211> 267

<212> DNA

<213> A.fumigatus

<400> 6824
 gcgacatccc tagcgtctac ggccccattc ctcatgtcgg cgacttctcc cggcgtcgac 60
 tcaaccaa atctcaagag acgtcccga gactttgtcc atccgggtat ttggcacaca 120
 caccaggact tggagcgcat ccggaccaac gtcatatcca agaaggaccc ttgggcctcg 180
 gcctacgaga aattcagcgc cgacgaatac tcccaagcca actctcgtct tccacgcccg 240
 agggttgaa ggtaccgcgc tcgcaaa 267

<210> 6825
 <211> 327
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (120)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6825
 gatcgctaca gccccgagct acagcaaaga atccgtgac tcgccaata ccccatgaac 60
 aaacatgagg tatgtgaggt ctggactgag atcctcaa atccacttccc catctccan 120
 attggcaagc ccggcaacaa cgagtatgcc acccaggcca caccggcaa cgtcttcccc 180
 ttcgttcaac tgtccgtccg cccacagcta agtacgtttg aaaaccaccc ggttccctgt 240
 ttcccactg cagaaacctc tcccagagacc aggcacaagg accgcccctc cccccggtg 300
 gcgaaggatc gtctgaatat tgccgcc 327

<210> 6826
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 6826
 acgaggcaga acatgattct ggccctccat tcttctcact ttgatggctg cagtccagt 60
 tttctctgcc gagaacagcc ttcacttggc cagctgggac aatggctctc tttttatgcc 120
 tatttacgga cacctggcag tggttatgct aagaccctca gagagtatca tgggtggctt 180
 gcaactccgc cgtgtcaatc tagtcatggc gcggtctatg acgagactgt ttactcttat 240
 aagggctcgc gctga 255

<210> 6827
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 6827
 ccgctctgcg cggattttcg cctctgtggt gaagactgca acccgatcgg caatacaggg 60
 gcaagagcac ttgccaaatg gctgcaacag aatcagacgc tgcaacgtct ttctttgcaa 120
 tcggttggcc tcacggacga cggggccact gcattgatat cgtcgtcgc aggtcatcct 180
 gcattggaga ctctcgatat cagtcagtc tattccacgc aggacttgaa cgccaggat 240
 gtcttttga 249

<210> 6828
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 6828
 atagcgactc catttcaaca actottacca acattctacc aacaggacgt cgcttatcat 60

tatggagcca	acaagccctc	aacctgtatt	tcccatgagc	ccgttgatat	ccaatacccg	120
tgccggttac	gctgtttgtt	tgggcaccca	gcaacgaatg	cacgaatgca	agggtgacatg	180
tccatgcagt	cctcgcagct	ttcatccgac	caaatacaata	gctcatga		228

<210> 6829

<211> 747

<212> DNA

<213> A.fumigatus

<400> 6829

agttgctgtg	caagctcgag	gtgttgggta	cctgggatgg	ggagcgccac	agtccatgat	60
gctgccatta	gctactttct	gggtctctgc	tccgcttatg	tctacaacat	gcggcgatgt	120
cggatgtacc	ttgccgagtg	ccgtacgatg	ttgcatgtgt	acgatctttg	ccgccagtcg	180
acgatgcagt	catcctatgg	gccacaagc	ccgatatctt	cgtcgtcggc	cacatcacag	240
gatcgactca	gtggacccac	tgagcgccca	gtggacatga	tcgagcagga	gctcgcgcgg	300
cgactgttct	atgtaacgct	agtcggttac	cgatcaatac	agcagctagg	ctccgctgac	360
accccaatct	atcttgctcc	agagacgcgc	acggagcgct	acccaccatt	accccttgaa	420
gtggacgacg	agtttatatt	cagtacacat	gtcgaacctc	agccgaccaa	ccgggtttcg	480
caactgggtg	gtttcaacgc	caacgtccgg	gtctataact	cgtacaacgc	cctatccgct	540
tgggaggttg	cgtttggcag	tgggcgaatt	gttgattggc	agcggcaacg	gtctctatta	600
ttcgaatgtt	tgcaagaatt	caaaacggct	ttggccaacg	tgccaccaga	gctctcactc	660
caccctcacc	gggacgattc	tgacgatgcg	gcggaggacc	cctggatgcg	cgaacgtcgc	720
catatccaat	acgagattca	gaaagcc				747

<210> 6830

<211> 864

<212> DNA

<213> A.fumigatus

<400> 6830

tcagatctat	ataggtctga	tctgatctca	attagaaccg	ccaggctaata	tcattcggcta	60
aagtgtgata	caagtggacc	accctgtcgg	tcattgtgcaa	gcctggacat	cccttgtacc	120
tatgacagac	caagcagacg	tcgtggcccc	ccaaatcgcc	atgcagaggc	gctgaagaga	180
ctgagactag	gaacttcacc	tagtgctcct	actgcaaact	ctcccagtc	gtcagatttc	240
tctcccccaa	cgcttcacc	aatatccacg	gtaaacaga	atctcacatc	cgcttcaaata	300
ccattctcgg	tagagtcct	ctgccctttt	cccacagcgc	ggctgttggt	ggatgatttc	360
ttcacgtata	ttcaccact	ggtccccatc	cctcatgagc	cctcgttcgc	cgctgccttt	420
gagcgcggg	aggacaccac	caatccgaca	ttcctggctc	ttctggccgc	aatgatcggg	480
accctgggtg	catccttccc	gaggagacca	aagcttcac	ttaagaccga	ggcagaaaaa	540
gctgcctttc	cccactctct	tgctttggtc	aagcgtgcc	atgaagttgc	tgtgcaagct	600
cgaggtgttg	ggtacctggg	atggggagcg	ccacagtcca	tgatgctgcc	attagctact	660
ttctgggtct	ctgctcggct	tatgtctaca	acatgcggcg	atgtcggatg	taccttgccg	720
agtgcgctac	gatgttgcat	gtgtacgatc	tttgccgcca	gtcgacgatg	cagtcattcct	780
atgggccaac	aagcccagata	tcttcgtcgt	cggccacatc	acaggatcga	ctcagtgagg	840
ccactgagcg	cccagtgagc	atga				864

<210> 6831

<211> 1425

<212> DNA

<213> A.fumigatus

<400> 6831

atgggtctttt	ttcccttaata	tcgtcaaaaa	gaagccatgc	gagataaaaag	gcgctgcagg	60
gtgctgacga	ttctcgtacc	aagcagaccg	caactgtgcc	gttctgaatc	tcaacaatca	120
attgctgcgt	cggatgatta	ctactccctg	tcggatcgta	cgacaacgct	aagttctaga	180
tctccaagcg	gggagagtcg	tctcaccgtc	cagcgggatg	ctacgccgaa	ttcccaccct	240

gtctccagca	catcatctcc	cgcggtatcg	cgaacgcattc	taggcgcca	tatggctggg	300
tctcgatcac	aacattccat	cccggagcag	tcccgaata	gaaacgttcc	tccctccggc	360
cccaatcaag	ctcggttcga	gcatggcaga	ctgatccccg	tcagtggcat	gtccaacgag	420
tccattcgac	aggtaccaaa	cgacaggtat	gccgaccgct	caccgactcc	cgggacggac	480
gacttgccat	acattcgatt	tgccattaat	caactcacgc	gggaagacga	gcagccgagc	540
ttatcgaggc	agtcctcggc	cgcaagtgtc	gattatccac	cacagcctct	cgtatgggat	600
gcagctctgg	gccaattttac	ccgtccctcg	aaacctaag	gaagttcatt	acggcctcca	660
gaggagcgat	tacaccatga	ctgtctgcc	gacaggtcgc	cacagaactc	ggtagatccg	720
gaggcattcg	ttgcggttga	ccctccggaa	aataacctgc	tatatcccc	attgaatttt	780
gtgctattg	ttctacgacc	atgggcaactg	gctctgacca	ttctttcttg	cctgctcatg	840
attgcgcgg	ttgtcttctg	caatgtctgg	tcccagcgac	accaagggat	ctgggattac	900
aatggactgg	gaggctcacg	gtatttcgtg	gttcaatttt	taccacagat	tctggccgct	960
atcatcacca	tctggacatt	tgtaatccag	gcggtctgat	accggtcat	cccatttgc	1020
atcatggcaa	cgcaaacgct	ccaggatcaa	gtgatacaga	agctgccaat	tctgtctcga	1080
aacttcttgc	tacctgactg	gtcgtatttt	aggcatggag	agcccttagt	tgggtttgct	1140
ctgcttacga	tttggatctc	gaacctcatt	atgatcccac	ttctcagctg	tttcttccaa	1200
gcaaagtggc	acctgatcca	tggcggaagg	cagtggcgat	ggaatgctgt	cctagctgtc	1260
gggtggacaa	tctgtggcgt	ttacgcgtta	cttgcctctg	gactgatgac	gcttctcatt	1320
cgttctcatg	ggacacggtc	tgggctgatg	tgggatcctg	tcagtctggc	tgacctgatt	1380
cctgtcatat	agcgagtctt	cacaacgggg	aggaagtatg	cgtcg		1425

<210> 6832

<211> 231

<212> DNA

<213> A.fumigatus

<400> 6832

ccattttctg	tccttcgccc	ctgcggtgaa	gacatcccat	atgtcgctat	gcgcttgctt	60
ccagccgtat	tgggtgtcct	tactgttcct	ttgatgtttc	tgaccctgaa	ggcgagtggg	120
tgccgaacta	taactgctgt	ccttggggcc	ggagtcgtaa	tctttggtaa	gactgatact	180
gatataattg	accaacccat	ggtcgctgac	catctgcaga	aaatgggtcta	a	231

<210> 6833

<211> 855

<212> DNA

<213> A.fumigatus

<400> 6833

ttgctccagc	gcttatgggt	caaacatttc	tttgcccggg	ttttctgtct	catcatcggt	60
ccccttggca	tttactgtgg	aatgttcgca	attcattttc	tatgcttggg	caacccggga	120
gacggagatg	gattcatgtc	ctcgggaattt	caggccacat	taaactccaa	gggaatgcaa	180
gatgttctctg	cagatgttgt	tttcggttca	cgtgtgagca	ttcgtcacct	aaacactcag	240
gggtggctacc	ttcactccca	tgcccatatg	tatcccacag	gaagcaaaca	acagcagatc	300
actctctatc	ctcaciaaaga	cgagaacaat	gtcttcattc	ttgagaacca	gacccagccc	360
cttgggtccct	ttggacaagt	ggaaggccct	tacgcttggg	acaatatcac	taccgagtac	420
atccaagatg	gtgcggtggg	aagactctac	catgcgatga	cacataggag	acttcaactg	480
cacgacgagc	gacctcctgt	gacagacgtc	gattggcaat	ttgaagtgtc	tgcgtatggc	540
tatgagggat	tcccgggaga	cgcaaacgat	ctcttcctgt	ttgagattgt	caagtccaag	600
tccgacggcg	aggaagcgaa	gaaaaggctg	agaaccatcg	aatctaaatt	cgggcttgtc	660
catgtcatga	ctggctgtgt	tctattctct	cacaaggtag	agcttcttga	gtgggggttc	720
gatcagcagg	aagtgaactg	cgccagagga	ggcaccctgc	cgaacagtct	ttggtacatc	780
gagtcaaacc	accatccgat	gttaccgcag	gatgcagaaa	aggtcaatta	ccgaaaccct	840
ggattctttg	ggtag					855

<210> 6834

<211> 687

<212> DNA

<213> A.fumigatus

<400> 6834

ccatctgcag	aaaatgggtct	aatcactcaa	tcccgtctaa	tcctattgga	ctcgccgttg	60
gtcttcttca	cagcactcac	ggcactggcg	tttactagtt	ttacaaacca	gcaagagctt	120
ggaccttctc	atgccttccg	tggaccctgg	tggttctggg	tggcagcaac	gggtctatcc	180
ttgggcgcca	cattgagcgt	taaatgggtc	gggcttttca	cagtcgcgtg	ggtcggttct	240
ctcactgtcc	tgcaactgtg	ggtgctttgg	ggcgacgccc	aaaacgtcac	accggtatgt	300
cttcggtatc	gcttagatct	tcctcactct	acgtcaaagc	taattgctcc	agcgcttatg	360
gttcaaacat	ttctttgccc	gggttttctg	tctcatcatc	gttccccttg	gcatttactg	420
tggaatgttc	gcaattcatt	tcctatgctt	ggtcaaccgg	ggagacggag	atggattcat	480
gtcctcggaa	tttcaggcca	cattaaactc	caagggaatg	caagatgttc	ctgcagatgt	540
tgttttcggg	tcacgtgtga	gcattogtca	cctaaacact	cagggtgggt	accttcactc	600
ccatgcccat	atgtatccca	caggaagcaa	acaacagcag	atcactctct	atcctcacia	660
agacgagaac	aatgtcttca	ttcttga				687

<210> 6835

<211> 513

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (501)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6835

gctgtctcga	ttcttcatcg	ttccgcctgt	cttccaagtt	ccatccaggt	tgcgagctgc	60
gactgtgggt	gtggtcactc	ttgcgctatc	acgtcacttc	attcaatcat	gaccttcttg	120
atcgggactc	ccctgaactg	ggccattacg	gctacagcgg	gctcgggctt	ccttctgttc	180
ggctatgacc	aaggggtgat	gtccggactt	ctaaccggcc	acgcttttac	ccgcgtattc	240
cctgagatcg	ataccacaaa	gcacggctct	gggagcgcgt	cccttcaggg	aaccgtggta	300
gccatctacg	aaatcggttg	cttctttggt	gccattattt	gcatgatcct	tggagaacga	360
cttggccgcc	gaaagtgtat	cgcgatcggg	tcaattgtgc	tgagcatcgg	agcggtcttc	420
caagccagcg	cgtacagcat	ccctcagatg	atcactggtc	ggattatcgc	cggcctggga	480
aacgggatga	acacgagcac	nattcgtgag	tga			513

<210> 6836

<211> 291

<212> DNA

<213> A.fumigatus

<400> 6836

gtgaagacta	cgggtcaata	ccttatcacc	gggtgtaagt	ccaactcatc	cctgcttcta	60
ccttcatttc	cgcgactgac	acgataccag	tacataatga	ccgacatgac	aaaccagctt	120
ctccaggtcg	agcctgaggt	ggaaaagacg	tggatggctg	gggcgctcct	cggcagactc	180
tcgacaccgg	ttgagttcaa	ggccccggca	gttttcttac	tgtcagaagg	cagttctttc	240
atgacgggag	ctgacttgag	ggttgatggc	ggccattgtg	cctctgcatg	a	291

<210> 6837

<211> 570

<212> DNA

<213> A.fumigatus

<400> 6837

aggttgacac	tttcgcagaa	cagcagcagc	aagggtcaaag	aaatcaccac	ctccccatcc	60
caaggcaacc	ttgggtctcaa	ctcactacct	ttctcatcac	tacctcactg	gtgcgctttg	120
cacagtagcc	tacatcgaac	agactgggtcg	atctcaaaac	aatacaagcc	ttgcaggcac	180
ccgatataca	cctcgcagat	ctcgtcgcaga	gcatttgaac	gtgtctggca	attgcaagtg	240
tccataatgc	cgtccaaagg	ctgtcactcc	aactctcttc	ccgaagcacg	aggcctcaag	300
taogacgagt	cggatatggc	actgtttccac	gccaaattgt	cctaccactc	caccatcgag	360
gagcgcatgg	cttcgaaaaga	taccaacctg	gcattccatat	ctgagcatca	ggcccggatt	420
ctcaagcgct	gggagatgct	caaacaggtg	gagaaggaga	tggcggacaa	agggaaatgt	480
ttgtcaccgg	cggagaagaa	gcagttggca	caatatgaat	ggcgatacaa	gcgacttgag	540
gaactggcga	ccaagacgac	aggaggctga				570

<210> 6838

<211> 249

<212> DNA

<213> A.fumigatus

<400> 6838

catatgccac	aaacttttcaa	cagttggccag	ggcctgacac	tagaccatgt	catgctcgac	60
cttaccatgc	cagtattttgc	acatggccag	ctctacacta	gcctgtctcg	tgtccggcgt	120
ggagctgaca	tctgcattcct	ccggaacctt	tgcgagaacg	acaagccaac	gctctcacta	180
tcgcgaccta	ctccttccca	tatgagtcgt	ccttctactg	agtcaaggag	attgccgtac	240
atcacatga						249

<210> 6839

<211> 1035

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (147)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6839

cagggtccgaa	atcacatcca	ccttttttggc	ggtgatggtc	ccaacgtaac	aattgccgga	60
gagtcggcgt	gggcgtggtc	agtcctcgtc	catctgcgat	cagaccagcc	acttttttcag	120
cgcgccatca	tacaatcggc	cccatcntgg	accatgattc	tggccgaaga	ggcccagttg	180
aagttcaata	agctcctgca	gtgggcccga	gtccctcagg	gtgcaactgc	cgatgagaag	240
atcgccgctt	tacggtcggt	ttcagccgag	cagttaatcg	catggaacga	tctgttaatg	300
tctccaattt	gggaccctaa	atgggttcgtt	ggccatggct	cgcccacgtc	accactggac	360
agcgcagagc	cctttcccaa	ctgggtacag	ggaatagtcg	ttggaaccat	gcgagatgag	420
ttgtccatct	ttgggtctga	aagggttttgg	caaacgaaag	caatgggttaa	gagcagcctg	480
aatcattctc	tatcgctccc	tagcgatcct	gacttcagca	ctgaggttct	gaacgaatac	540
ggcatcctgg	aagctgggtc	cgacacggaa	gcagtgcgtg	gatttatcag	ggtcgccaca	600
gatgcttgct	tttcccgcctt	gccttacaat	ctcgccaggg	cctgtgatag	ccctgactca	660
ccatacctgt	atgtctaccg	ccttgatcag	gttgacgaag	aacgcaacag	tcccctccga	720
ggaaaagcct	ttcatgtgct	cgacaacacg	tacctgtgtc	gctatctcgc	ggtagctggt	780
cctgcagcac	cacggtcctg	tcaagccact	gccgacgctt	tctcccggat	gatattgtgc	840
catacatacg	gcgaggctcc	atggggagcca	tacaatatca	ggaggcttca	gaatgtgttt	900
gatggaacgg	acacgagact	tgagggaagt	cgcttctgat	accagtgtct	gagggaagttc	960
ctgaccacag	aggagagagt	gagcatattc	gggagggtgt	ttgctgcgct	catgaataat	1020
ggaccgaagc	actga					1035

<210> 6840

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6840

ctcttttgag	aactacttcc	tgcgggtgc	gtgttaatga	ctttctccgg	gggcattgcg	60
ctgggttaca	acgatactg	gccgggtccg	ggcgaggagt	acttcatcgc	ggtttgctcg	120
tcgacttcgg	caacgggagg	attcgtaagt	cgcaagcacc	ctaccttgat	ttgtcttttg	180
atatcagagg	ctgatcgtga	gtag				204

<210> 6841

<211> 309

<212> DNA

<213> A.fumigatus

<400> 6841

ttgtcaacat	ctcgcggtcc	aaacccccgt	cttcaactca	tcaatcttct	actaaactac	60
tctcaccttc	ggacacaaatg	gtcctcaagc	tccacggatc	gccctggctg	acgtgcacgg	120
cccgcggtgc	cctcgccgct	cattgagaag	ggcgctcgatg	ccgaggtagt	caacgtggac	180
ctggccaagg	gagaacacct	ggcagagtcc	tacctggaaa	tgcagccctt	tggcaaagtg	240
cccgtcctgc	aggacaccga	gacaggcgctc	caggtcttcg	gtgcgttccc	agccagacat	300
cgtacatag						309

<210> 6842

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6842

ttttgtctac	gggtcccgcg	gacagtaagt	cgccctcgag	gaaagaaaaa	gaatgaacta	60
acttctgggc	gcaggggcat	cctccaggac	tcaagcaagg	ggtttgtctt	gtactaccac	120
tatgcggaca	cgcgcatcgg	caaggccgtc	gaggactatc	agtttggatg	gaaccagttg	180
aagtgggaga	acgactggcc	tagtgtttga				210

<210> 6843

<211> 666

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (666)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6843

tggtcgctat	tacaacccccg	aggttatcca	gaagattgcc	aagatcagtg	ctgcctacgg	60
cgtcaagaag	ctcctgatcg	gccagaatgg	cattctcagt	acccccgccg	ccagcaacct	120
gatccgtgtg	cgaaaggcta	ccggtggtat	tctgctgacg	gccagtcaca	atcctggtgg	180
tacgtggagc	ttttcttctg	tgaatccga	gtgctaattt	ttcaaggacc	caatgccgat	240
ttcgggtatca	agtacaactt	gtgcaatgg	gcccccgctc	ccgagtccgt	caccaacaag	300
atctacgaaa	cctccaagtc	actcacttcc	tataagatcg	ccgaaattcc	cgatgtcgac	360
acctccacca	ttggcaccaa	gacctatgg	cccttgagg	tcgagatcgt	tcactccacc	420
tccgattacc	tcaagatgct	gaaggagatc	tttgactctg	atctgatcaa	ggagtttctc	480
agcaccaca	aagacttcaa	ggtgctgtt	gacggtatgc	accgtgtgac	tggtccctta	540
tgtgtggaca	atcttgtaaa	agagctgggt	cttgcccaa	gacagcacca	tgaacttggt	600
tcccagccct	tacttcaacg	gagggcaccc	ctgaccccaa	cctggtctac	gcccattgagc	660
tggtan						666

<210> 6844
 <211> 357
 <212> DNA
 <213> A.fumigatus

<400> 6844
 ttatcctttg attgtagctc tggctcttcgc aagaagggtca aggtcttcca gcagccccac 60
 tactccgaag ctttcgtcac cagcatcctg ctctccatcc ctgagggtgc tgaggagct 120
 ttccttgta tccgtggtga tggctgctat tacaaccccg aggttatcca gaagattgcc 180
 aagatcagt ctgcctacgg cgtcaagaag ctccctgatcg gccagaatgg cattctcagt 240
 accccgcgc ccagcaacct gatccgtgtg cgaaaggcta ccggtggtat tctgctgacg 300
 gccagtcaca atcctgggtg tacgtggagc ttttcttctg tgaaatccga gtgctaa 357

<210> 6845
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 6845
 tttttcaagg acccaatgcc gatttcggta tcaagtacaa cttgtgcaat ggtgcccccg 60
 ctcccagtc cgtcaccaac aagatctacg aaacctccaa gtcactcact tcctataaga 120
 tcgccgaaat tcccgatgtc gacacctcca ccattggcac caagacctat ggtcccttgg 180
 aggtcgagat cgttcactcc acctccgatt acctcaagat gctga 225

<210> 6846
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 6846
 gaagagcagg gtaccttatt tactgataat gagcgctcga gttcgatgca cacagcgcg 60
 agaccagcgg cgatcccctt ggcttgcatc ttggtcaac cctcttctcct gctgcgtctg 120
 tcgacaggat ctactcagaa ggggtggacca cggaagtact ggggagggca gtctgtatgg 180
 gatattttgt catggctatc ggcactcaat aaggctttat cattgcaact gtggcagacc 240
 gatgatgaca ttattccatt tgttgcttgc ggatggatca acggctacac cgagtcaaga 300
 tgtattcttg ctcaggctaa gtcatatgcc ttacgggcta gtgtttcttg cagccaaagg 360
 gatgtagtac tagccagtca tacgcagacc agcacatcta atcaacgata caagtgtcgg 420
 aacataacct cttccaacga ccagatgagt atggtgcaat caatatacct caaggggtgat 480
 gatgttatat tactctga 498

<210> 6847
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 6847
 ggacatcaat acgccaatca ctcgacaccg aattactatg acgagtatac tagtgacgcc 60
 cggccatcaa tgcaggttgg cggggccgga agaggcccca acgttctaca gaagaacaat 120
 aggaagtttg ccgatgctta cgagtacgaa cgagaccctc ctcatcactc cggcagctcc 180
 ggtgcagcca ggaaagtcac ggattttttc cgtcgaagag ccaaatccag ggccgggtgat 240
 gaccgttga 249

<210> 6848
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 6848
 gctgaccac ttcaaaccat caagtccggc acatcgggtc aacacaacgt cctctacgag 60
 taccagttcg tctcaaccca gaatgtgtac atggggccaga tccaaacaga gaccgcgtgc 120
 gtcttccacc acttcctcaa acacaatcct ctctgtgtctc gacttcagat gctgatacga 180
 gtctcgc aaa caggtaactac cagagcaacc ccaacgctct catccccctc acgccgaaag 240
 ccgcaatcca tgatccagac tttgcctcca gctgcaagag ctccagcgac ggaaactgcg 300
 aggtcgggctg gggcctccgt gtggtag 327

<210> 6849

<211> 204

<212> DNA

<213> *A.fumigatus*

<400> 6849
 atcacaggat gctccactta cggcggagaa cagaattgcc agaactccat cttcagcatc 60
 gagggcgatt cggcgattac tgtgtacaac ctgaatacgc ttggcaccgc gagcatggta 120
 gatcgggacg ggcagagtct ggcgagcttc agtgataata ttagtgtttt cacaacaat 180
 attgtgcttt ttaggagcca gtga 204

<210> 6850

<211> 390

<212> DNA

<213> *A.fumigatus*

<400> 6850
 cccacttcaa accatcaagt cgggcacatc ggtcgaacac aacgtcctct acgagtacca 60
 gttcgtctca acccagaatg tgtacatggg ccagatccaa acagagaccg cgtgcgtctt 120
 ccaccacttc ctcaaacaca atcctctcgt gtctcgactt cagatgctga tacgagtctc 180
 gcaaacaggt actaccagag caaccccaac gctctcatcc ctttcacgcc gaaagccgca 240
 atccatgatc cagactttgc ctccagctgc aagagctcca gcgacggaaa ctgcgaggtc 300
 ggctggggcc tccgtgtggt agattcgac gacctctacg tgtacggcgc cggcctctac 360
 tcctttttca acaactatga tgcaggttag 390

<210> 6851

<211> 201

<212> DNA

<213> *A.fumigatus*

<400> 6851
 catgtaactg ctctaacaat agccagaggt atagcggatt cgacggttct gtccacacaa 60
 gctgacttgc acaataacta cagcgatcct gctattacc cttgctgtac cctcactgtg 120
 aacctaatgg atgagtacat acaagtccta tctggagaag tagcagcagg aaagtgcagc 180
 accagtaaca cgtgcagggtg a 201

<210> 6852

<211> 462

<212> DNA

<213> *A.fumigatus*

<400> 6852
 aagtgtctag cagttgcttc agggatgtgg ctaggtaaag aaggtcctct ggtgcatggt 60
 gcatgctggt gcgccaaacgt catgatgaag ttcttcgata gtttgaacca taatgaagg 120
 atgtggtcaa gccggcatca gccggtcata ctaagtatta tagcgagaaa acgtgaagtg 180
 ctctccgcag ccgcggctgc aggaatatct gtgcggtttg gtgcacccat tggagggtgt 240
 ttgttcagtc tcgagggtatg cctctcagat ttatattcca tatcacctcg tctaacgaat 300

gatagcaatt	gtcgtactac	tttccagata	aaaccatgtg	gcagagtttt	gtctgtgcaa	360
tggttgctgc	tgctactctt	caggcgctta	acccatttcg	aacaggaaac	attgtgctct	420
acgaagttaa	gtatacacgt	ggatggcatc	gcttcgaaat	ga		462

<210> 6853

<211> 723

<212> DNA

<213> A.fumigatus

<400> 6853

accgtgagtc	ttagacctct	tcaaccctta	catattctga	ctggcccgat	ttgtagaatt	60
tctttcaagc	gcaagcaaaa	acggcctgcg	agattcagtt	tttcgcgact	gttttcgggt	120
gatgaaccog	aatctacaat	ccatttcggg	gcgtcggcca	caacgaatga	gccgacgcca	180
gaggttgatt	cgtctctgag	ccagctgaga	tcgcgaaatg	ggaacgaaaa	tcttaacaca	240
tcaaaaagtg	gagggttctt	ggattgggat	gtggaaggtc	cagggcgctc	agtaggctac	300
gacgatctta	cagccatcga	ttggatcttc	gaatatacga	aagagcgaca	aagaaagagg	360
ctgctctact	ccaaggcgcc	gggtctttcg	ggatatgccc	gcaggctact	ggaggccagt	420
aacgtttggg	tggttttgat	agcgacaggc	gttctcggtg	gtattattgc	ggcatgcatc	480
gacatcacaa	gcgactggct	cggagattta	aaaacgggct	attgcaagaa	tggaccagga	540
ggtggcaagt	tttatctgaa	tcgaagtttt	tgttgctggg	gccatgacgg	taagatatcc	600
gtcctcaaca	atgctcgtct	gcaactgact	tggcatattc	atcagacata	tctgagtgtc	660
tggattggac	accttggcgt	aaagctcttg	gagtcagctc	ttccagcgga	ggctatacgg	720
tag						723

<210> 6854

<211> 216

<212> DNA

<213> A.fumigatus

<400> 6854

gtgggtcttcg	ctgtctgtgc	gagttttctg	gtcagaacat	acgcaatata	tgcaagacac	60
agtggatttc	cagaaatcaa	gacagtcctt	gggtggctttg	tcattagaca	ttttatggga	120
ccgtggacgc	tcgcgatcaa	atctctgggc	ttagtaggtg	tcccgtgcat	tctctatgtc	180
ccgtttcttg	gatgcttatt	gagtaaaagt	gtctag			216

<210> 6855

<211> 339

<212> DNA

<213> A.fumigatus

<400> 6855

caattgtcgt	actactttcc	agataaaacc	atgtggcaga	gttttgtctg	tgcaatgggt	60
gctgctgtca	ctcttcaggc	gcttaaccca	tttcgaacag	gaaacattgt	gctctacgaa	120
gttaagtata	cacgtggatg	gcacgccttc	gaaatgatgc	ctttcatcct	cctgggtatc	180
cttgggtggc	tgtacggggc	atttctgatc	cgcttgaata	tgaaagttgc	gaaatggcga	240
cgatcccgaa	cttgggtctc	cccaatattg	gaagttacgg	tcattactct	tctatctgtc	300
ctcaccacag	ggagacgaag	gatgccggca	tcgcgtcaa			339

<210> 6856

<211> 750

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (628)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6856

caaagtatgt	cccacaacaa	cgatgaggat	tactttcttc	ccctggaaga	ccagcgcgtt	60
ttcggcgccg	gaatccgtcg	caagcgcgta	cagttcgtcc	gtcctcaga	acatgaactt	120
aacactacaa	ccacaaccac	cacaaccaga	accacaaccc	catccacaac	ctccggctta	180
agtcccgccg	acaaatacct	ttcaatcgtc	ctaccgaaag	aaaaattaca	cacccaaaca	240
acagaacccg	ccaccacgcg	caacgaaaca	gtttccgcgc	cgcttcgcc	cgaagccgta	300
cccgtccgg	tccaacggtg	cgaggtatgc	aatctcccgc	ttgacgggtc	gaaggcaggt	360
acagatgagg	aagggctctgc	tggccacac	gaagcatcgc	tgcgccatca	gctgtgtcta	420
tctcactcgc	atccaccgtc	tcatcttgac	cgttcccgtc	acggactccg	atatttgccc	480
gcttatggct	gggatccgga	cagtagactg	gggtctcggg	ctcctgggcg	tgagggaatc	540
agggaaaccc	tcaaggggag	attgaaggtt	gatactgtcg	ggctaggggc	tgagggttag	600
ccgagtgcga	acgggaaaaa	aaaggtanct	gctgctgctg	ctgttcctgc	caaggtgcaa	660
aggttgaatg	cgaagcaagt	acgaaagggt	cattttgatg	ccaaaaagat	aaggagatg	720
tggcggggag	atittctatc	cgaaagatga				750

<210> 6857

<211> 660

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (482)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6857

ggagggacat	caggcattgg	cgccagcgtt	gcctatgagc	ttgcattacg	cggcgcccag	60
atcatcctcc	tcaccaccca	ctccccttcc	gacatcttcc	tgatcgatta	catcgaagac	120
ctgcgcaagt	caacaggcaa	ccaactcatc	ttcgccgaac	aagtgcacct	ctcctcctta	180
cattctatcc	ggacctttgc	gaccaagtgg	atcgacaact	atcccccccg	acgtctcgac	240
atggtcatct	tgtgtgctag	cgccgctctg	cctgcttcca	gcccgggggca	actgacaaca	300
gatggtctga	atgaggagtg	gcaggtcaat	tacctgggta	acttccacct	gctgagcatt	360
ctgagccccg	ctctcaaagc	gcagcctgct	caccgagacg	tgccgggtcat	tttcaccaca	420
tgctcgagct	acattggcgc	gaaactggac	atgaagcaat	tagaggcagc	aaccagcggt	480
tntaagccgg	ccggggcaac	agcggcgaag	aagaacggaa	agccgcagaa	gcaggcatcc	540
acggagaagg	aagccagcct	attcggcctg	agcaaactcg	atatgatgat	attcgcaaac	600
tccttcacga	gacacttcaa	ctcgtgttca	ccacagggag	tcgacggagc	cacgcgagca	660

<210> 6858

<211> 273

<212> DNA

<213> A.fumigatus

<400> 6858

acctgttcac	tctttcactc	tttcattttg	tttttttttt	ttatttttag	ccattcgctc	60
attttttcac	ctgggttacac	aatgcccac	cccattattg	ttcaggggat	aagagagggt	120
atagactcaa	ttccatatgc	ctacacagtg	ctcaagattg	cgccatgggt	gctgctcgta	180
gctgccctca	agtactactt	tgggggagct	cggaaatggct	cagagcgggt	aatgcactcg	240
aaaattatca	tgataactgt	gaatttacca	tga			273

<210> 6859

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6859

gggacggatg	cgtatcttcc	accccgtggt	gaagaccag	tatcgccatc	ggtagctggt	60
cagatcatga	aggtaagga	acttgaggag	gttcaagaag	ttgacaggcg	gctcacaag	120
gaagaagtgc	gtgctgaacg	gcggccggac	ccgggggtact	atatcgagaa	ggcatcaatt	180
gaagaattca	gcgagaatcg	gtcggcatag				210

<210> 6860

<211> 210

<212> DNA

<213> A.fumigatus

<400> 6860

ttaaatgata	tagctacggc	agtggcggtc	aaggcggttc	agcaggctac	tcttaatgca	60
ttctataata	aaacagattg	ttcttatcag	accttcgatg	aaatcagtaa	catagcacca	120
agacaacaaa	aaattgaagt	ttttatTTTT	aaaaaaaaatt	tgacatcctg	gtataaaaaa	180
atgctggcac	aagatatgta	tgatacatga				210

<210> 6861

<211> 885

<212> DNA

<213> A.fumigatus

<400> 6861

aatcccaata	ctgttcttct	ggttgggtcc	gcgcctaatt	tccctcatgg	gattgtcgat	60
gatatccctg	ctctatcccg	acttgcaact	aaatacaaga	ttcctcttca	tgctcgactgt	120
tgtctgggct	ccttcgttat	tgcatcctt	aagaaggccg	gctttccctc	cccttatgag	180
gaagaaggag	gcttcgattt	ccgccttccg	ggcgtaacca	gtattagtgt	ggacacacac	240
aagtacgggt	tcgcacccaa	aggcaattcg	gtgctccttt	accgcaacaa	gacataccgc	300
agctatcagt	actttattta	ccctgattgg	tctgggtggtg	tgtatgcac	tccctccgtg	360
gcaggatctc	ggccagggtc	tctaatacgca	ggctgctggg	ccagtctgat	gagcgttggt	420
gagactggct	acatcaacag	ttgtcttgaa	atcataggcg	cggcgaagaa	gtttgaagca	480
tcaatcaaag	aacatccagt	tctgtccaaa	aatctcggta	ttgttgggaa	gccccgtgct	540
agcgtggctg	cgttccagag	tcaaaacggt	gctgttgata	tctacgacgt	tgcatagtgt	600
ctgtcagcca	aaggctggca	cctaaatgct	ctccagcttc	cccctgcaat	ccacgtggca	660
tttacaattc	ctacggcggc	tgacgtcgag	aaattgacca	ctgacttggt	cgagacgggtg	720
gagaaagagc	tagagaaagc	cgaggagagg	aagcggcagg	gcaagtcgta	tgtgctcaag	780
cgtggcgaca	catccgccct	gtatggtggt	gctggtagcc	ttccagataa	gagcattgtc	840
agccgtcttg	ctgaaggctt	cctggacacc	ctgtataaag	cctga		885

<210> 6862

<211> 1854

<212> DNA

<213> A.fumigatus

<400> 6862

cagccagcgg	ctcaacaaga	ttcagatata	attgaaataa	taccccagca	gcaacctggc	60
ctaccgaaac	atttcaaaaag	caacgcgtcc	cgattcagct	ttgacatgaa	cggagtogaa	120
tcatcagcgc	aggagaagct	actggaagag	aagcacaagg	agaaagaagc	ggcacgcagg	180
gccaagctc	agctcgaaga	tagagaatac	agtacgtcg	aagacgatta	tgacaacgac	240
cttttgatg	actttgacgg	cttgggaagaa	agaatccctg	gggtcaacac	cgacgtgaa	300
gaagatgaat	tcagtggatt	ctccggcccc	ggggcgcgct	tgactacctc	atggcatgca	360
cctggcctct	caccggtcgt	cgcgagcccc	atgagcgccc	cgggtcttgg	tccggcagtt	420
gacataaacc	tgcaattgga	ccaaggcggc	gctcctcacg	tatccgatat	ctctgtcact	480
gaagatgcag	togctgcatt	tccccgacg	acaaaccttt	cagaaacagc	agcggtagga	540
tgcgcaatgc	aggcgggagc	tcgttcttct	acatcgcaac	taatcgacga	agacgacgac	600

ttgtactttg	acgacgggga	atttggcgac	ctggctgttg	atgcaggcgg	cgagacgttt	660
gacgaatcga	tattcgatga	cgaatccagt	catttgtatg	ctcgcaagac	ggcagtagta	720
cccgcctcgc	cgggttgaacc	aggcacgacg	gaccagatgg	aagacaagtc	tagatcaggt	780
gaagcatctg	aacccccag	cctaagtcce	aaactggatc	agacggatgg	tcttaagcac	840
gcaccgagcg	ctgctagtga	tttccgagac	cgagcagtta	ccagatatgg	tggacttgac	900
cctgaaatga	cccataacct	gacaacaaca	aagtctcatg	gtggggctct	atccgagcat	960
aatctggagg	tcttgcacaa	cgcgctggag	aaggccgcta	atgagacggc	tcacatggac	1020
agattttaagc	ggaccacaag	cgcgagcgag	aggctccctag	gccaggacag	cactgccaga	1080
acgaaccaga	ctatggactc	ttactcaggg	ctcgtctcag	acgacagcca	tctgagccag	1140
gctatggatg	caatgggctt	tgaagaggtt	tttgacgatt	tcaactacga	cgacgatgat	1200
gccttttacg	atgatcctat	catcgccgct	gccaatgcgg	aggcactgga	aaacgacgat	1260
gaagggtttct	atgggcaaga	gttcggatct	tacgcccacg	ctcatggagg	ctgcagctca	1320
gaacttacaa	atgggggata	ttttggccct	cgcgggtgtcg	aaggcatttc	gcgtaaccac	1380
agcagccgag	gcaaattcag	agaacctcag	ttgacacctt	ttactgaacg	aagtgaatgg	1440
agcacgcgga	actcggtcct	ttcattgaca	gcgacggggg	cggctcactc	caattctgcc	1500
atctctggcc	cagggtctggc	gcaacttggt	gatatgggta	ccatggacga	cgaaatgtcc	1560
ctgagcgcgt	tgttgaaact	gcgacgcggt	gcctgggggtg	gcagtaacgg	aagtctacgt	1620
agcagcagcg	gaagcccacc	gcctcatcat	cactcatcat	cgaatcgcg	gagcttcacg	1680
gccttttctg	acgtgagccc	gactgtatat	acggttcctc	cggattacct	ctttggagga	1740
ccaagcgcg	ctgaatcgcc	aaccatgata	cggacaaatg	gagatgccac	ccaccagtcg	1800
ttatctggag	aggcggaatc	gcaaatatat	cctgaagaaa	ctgttcccaa	atga	1854

<210> 6863

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6863

ggaatcctcg	aatttgaggt	ggtccaggaa	tgtgcctata	agacaaagaa	tgatgacagt	60
ctgtacaaaag	cagcaacgga	acaatgtgca	ttaggcgagg	caaccaaggc	catgaaagtc	120
gacttcggtc	taaaaaatgc	ttcgaatctc	aattttggct	ctctctctct	ctctctctca	180
tttacgagat	taagtgggat	agctggcgaa	acaacatga			219

<210> 6864

<211> 300

<212> DNA

<213> A.fumigatus

<400> 6864

tcattctgtct	cagtcctctt	ctgctcgtac	gaatgggttcg	tccaaatctc	atctgacatt	60
gtctcgacat	acctgagtct	taatacgatg	gatgacaaca	accgctcggc	ggtcgaccaa	120
ggtatagacg	cagcagagcc	gtataagatt	ggagttgaga	aagaggcaaa	ggatgttgct	180
caagaaactg	agagcccgga	atcaccaggc	tctcaaccgg	ataatgctga	atatgtcaag	240
ggacatcccg	tcattcgaaa	gggtgagcct	ccatctaccg	cgctgccagc	aattgtctaa	300

<210> 6865

<211> 819

<212> DNA

<213> A.fumigatus

<400> 6865

gagacaattg	agcatgaatc	tgcaggtatt	gggaagggtg	gagtcgtcta	tccacctgga	60
aagcttgatg	tcaagctgac	ggtgaccagt	ttcaatgacc	ttgatattca	gaatcggtcg	120
gatagtatcc	atgatgctgt	gtcgattatc	agggacagta	gtcaaaaact	tcactactcg	180
catcccgatg	acaagccttt	ggctgggtca	gagaaaggct	aacccttgct	taacttttctg	240
cagtcctctcg	atgctatcga	cgcgctcatg	gcacagctca	cggctatgaa	aatacgcctc	300

gaaaagcagg	atgacaagac	agaatctccc	atggacagct	gggacaactt	tgaagatgtt	360
aaacgcgctt	ctctgcctct	gatgttgctc	caatccaagg	tccgagaagc	attacagttg	420
ttgtcaacgc	cccagccggg	acatgaaaag	ctggccgata	tagatgtgca	gtgggttcgg	480
actgagctgg	agagtctgct	tgcgagtagc	catgagaaag	ccgcggccgt	catcaaggcg	540
agctcgcaga	aaagcgacga	tgtcaccctg	ggttgttagc	ggcatagcgc	aggcagtact	600
cttgacaaac	gaagaaagag	attgcaacct	actcagcaga	tcgtatcatc	gcaggttgtg	660
cttcaagatt	ctcccgcagg	caaggtctcc	atccgggtcc	agtggaccaa	agatgctgac	720
tcaaaatccg	cccgcgcata	cgatatctct	cttctcctgg	cgcccaatcc	acagggtggc	780
ccaagacggt	cttcttggtt	cgcttttcgag	gctccatga			819

<210> 6866

<211> 276

<212> DNA

<213> A.fumigatus

<400> 6866

gtttattgtc	tggacaaaaa	ttcccccgga	tatcgacttc	ttggtgagac	ccaaacaggc	60
aatttgaggc	ttggcggaat	tctgcgggac	cggatcaacc	tccgcatgcg	agaattgtgg	120
tcttaccag	attctatcac	aatcacggag	ccgaccatca	cgctcaactt	ctacactgat	180
ggcgaccttt	tcacccatat	tgaggcagct	gggctgctcg	aggactttta	cgaaggcaga	240
tggattgctg	cgaccccatg	tcagccgttc	cattag			276

<210> 6867

<211> 747

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (47), (75)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6867

ttgagtcaat	tctccagctt	tccaccgttt	tcacgtgtgc	taatatntaa	gacaggacgc	60
aagaagctca	agatntaccc	accacccccg	tcacctcgag	caaaatgcaa	agaccctatc	120
gcagcattga	cagagctctca	actagccgct	cttgacccca	caggcgagcg	tagggctctg	180
tttgactacc	gccgaaaccc	ccgaagcgtg	aaagtgggcg	acattctgcg	tgtgacattt	240
aagaacggag	accattcttc	gggtgtgtgt	cttagcatcc	gtttgcgggg	cattgatact	300
tctttccttc	tccgaaatga	gctcacgagg	gttggtgtgg	agatggccgt	gaaggctctc	360
agtccaaatg	tcgagagtgt	ggaaattgta	cagaggacgg	agaagaggaa	gagaagagca	420
agactgtact	acatgaggta	tgtactagca	tctggtgacc	ggcaccacca	ggaagaatgt	480
tctctctgtg	cagtgaagct	aaaattttgc	tctctcgaat	tcacaggaag	ccaagcacg	540
atatgggaag	cgctcgagaac	attgtgtcga	actacctgcg	gcagaagtcg	gtccttactg	600
gtcagcgctt	agccgggtgca	cggagacaga	aacggtgaat	tggagcaatt	cctattctgt	660
ctgtattatg	actttggcga	aatgtactat	actactatac	ttgcacatgg	atattcggga	720
atcgacagtt	tttggcgcac	acattga				747

<210> 6868

<211> 186

<212> DNA

<213> A.fumigatus

<400> 6868

tcccaaatag	tcctacaaaa	acgagagatc	atgatcggtg	atcggtactc	tattctcccg	60
ttcccgcgag	cttgtccctc	agcaatgtct	ctcggaagg	agtcgccaat	cctaccgtcc	120
aacctgattt	atgaaacact	atgctacccg	gataagtggg	cagacggaac	aatcttgcaa	180

ttgtag

186

<210> 6869

<211> 528

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (405)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6869

gatgcgactc	aatacgttta	ccagccaatc	ttgttttgcc	aagttaattc	cagaatgttg	60
cacatccaat	acttggcgca	cgtcgatgac	atcacgacat	ttcggcctgg	tataggtgac	120
atcatcttgc	cgaacctctt	atatagaacc	tcctgttcgg	tcctctgttc	gatcctctca	180
acaagcaaca	atcaaacagt	caaacaatca	atctctacta	ctcaattcga	tttaatccat	240
tctacaatcc	aaaacaacaa	ccacaatgga	gtccatcaag	caggggtgtca	actacgtcag	300
cgagagcggtg	cagcaggccg	tgcacggcac	gtccaaggaa	gccaacaagc	aggtcgccaa	360
ggactccgat	gctcccattg	gcactcggtg	agttccttat	tgtnntacaa	gaacctgcag	420
cagtctctaa	tattgtgcag	cgccctccgc	gccaaggatg	ccctcaccga	caaggcccac	480
gagtccaagc	atgacgccaa	ggccgaggct	cacaagcagc	agatctaa		528

<210> 6870

<211> 717

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (573)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6870

agtggctcact	cccagccccg	cacacaccgt	ggtcacgatg	ccaagttccc	cggtatggcc	60
atcacgtacg	ctctcatgca	gcggttagaa	gagctcagcg	agaaggagcc	tgaacgcgta	120
caaactcatca	agaaggctcg	tgtcaccaag	gtcaacaagt	cgggagacac	aatcaccggt	180
gtcacttacg	agctgaacgg	cgagaccaag	accgcagacg	gggttgtcat	cctcgctact	240
ggtgggttacg	ctgctgactt	tggcgacggc	tctctcctga	aacagcaccg	ccccgacacc	300
ttcggcctgt	ccagcaccaa	cggcactcac	gctaccggtg	atggtcagaa	gatgctgatg	360
gctatcgggc	cgaacggtat	tgacatggac	aagggtcagg	tgcaccctac	cggtctggtc	420
gaccctaagg	atcccaccgc	taagttcaag	ttcctcgctg	ctgaagctct	tcgtgggtgag	480
ggtgggtatcc	tgctcaactc	agacggacag	cgcttctctg	acgagctcgg	ccaccgtgat	540
tacgtctccg	gccagatgtg	gaaagagaaa	ganaagggca	agtggcccat	ccgcctggtc	600
ctcaacagca	aaggctccaa	tggtctggaa	cttccacacc	cgtccctact	ctggccgtgg	660
ttcgatgaaa	aatatgaccg	ggcaaggaat	tgggccaagg	acaaccgggtg	tgggtga	717

<210> 6871

<211> 252

<212> DNA

<213> A.fumigatus

<400> 6871

tttgaaccga	ctttcttcgg	tggcaactcc	accaaggcta	cttccggtat	caacggtgcc	60
ctcaccgcga	cgcaggctga	actgggcatt	caggacagcg	tcaaaacttt	ctacgaagat	120
actcttaaata	ccgccagaga	caaggctcgt	ccagagctga	tcaaggctct	tacatacaag	180

tcagctgctg cggtcgaatg gctgcaggat gttttcaacc tcgacctcac tcttggtttct 240
cgtcttgggt aa 252

<210> 6872
<211> 207
<212> DNA
<213> A.fumigatus

<400> 6872
atagtctgga ctgccctctg ctccgaaggc ctccggtgcc atctccagca ctacagccct 60
ctgatcgacg agcagggtgca gaagacctgg aacatccctg cctcgtggaa gctggatgcc 120
cagctcgtct ttggtactcc taccggcgac gctggtgaga agaccttctt gccattgag 180
gaccgcttca aggtttttgg aaagtag 207

<210> 6873
<211> 975
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (76)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6873
caccgatcaa gccagcatgg acttcacatt ccacaatgga accaatggct cgtcgccatg 60
ggtcgaattc taccntaca cccctcggc cacagcagga tacaccttca tgtccatctt 120
cggcattgga acagtcgagc acatcattct catgttccca taccgagcag cctacttcat 180
ccccctcgtg ctgggaggaa tctgtccgtt cccctcgtc atccccatcc cagatacca 240
aatacacgcg tgacttctcc aggcgaaacc ttccggtact acggccgcgc atggtccac 300
aaagaaggca gagctgcaat cggcccttgg gccctccagg agatgctcat cctttgcgca 360
ccgcccttcg tcgcagcaag catctacatg gtcctcggac ggatcatctg cgccttcgac 420
gcagagcacc actccagcat ccggaccaag tggttgacaa ccatcttcgt cctcaacgat 480
gtggtctgct tctgacgca gcttgcgtgc gcaggggtgc agattaccgg tgatccgcac 540
gtcatggcga ttggttaagaa ggccgtccta gcgggattga tctttgcgct ggtagtggtt 600
ggggtgtttg tgtgggtggc ggccggttc catcggaggt tggatgcgga gccgacggct 660
gtggttaagg agtgtccgcg gctgcggtgg aagaagtata tgtgggtgat ttatgtctcg 720
tgtgggatgt tgatggtgag gaatctggtg aggacggctc agtttgggtc gcggaaaggg 780
tctgcaactga acacggaaga ggcgtttata tatgtctttg atgcggcggt gatggctggg 840
tcgatttttg tattgatagt ttggcatccg gggaggttgg tgcggagggc tcagaaggcg 900
accaaggcga gtcagatgtg tgtgcagatg gaggatgcgc ctgatatccc attgacggga 960
tatagagagg gttag 975

<210> 6874
<211> 252
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (75)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6874
accgatcaag ccagcatgga cttcacattc cacaatggaa ccaatggctc gtcgccatgg 60
gtcgaattct accntacac cccctcggcc acagcaggat acaccttcat gtccatcttc 120

ggcatggcaa cagtcgcgca catcattctc atgttcccat accgcgcagc ctacttcac 180
 cccctcgtgc tgggaggaat ctgtccgttc ccccgctca tccccatccc acgataccaa 240
 atacaccgct ga 252

<210> 6875
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 6875
 ctacgcggat cttccgcccc gtgggcaaga tggaacagcc gggcgaagaa aatccccaat 60
 gaagagcgca agacaactcc gtacatgacc aaatacgaaa gggctcgagt tctgggtacc 120
 agagctttgc agatcagggt cgatcatctgc gacatgtggc atatgaagac cgtcgaactg 180
 acatttgtca cagtatga 198

<210> 6876
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 6876
 agagcgcaag acaactccgt acatgaccaa atacgaaagg gctcgagttc tgggtaccag 60
 agctttgcag atcagggttcg tcatctgcga catgtggcat atgaagaccg tcgaactgac 120
 atttgtcaca gtatgaatgc tcccggtgctt gtagatcttg agggagagac agatcctttg 180
 cagatcgcca tcaaggagct gaaccagaag aagatcccac tcattgtgag gagatatctg 240
 ccggatggaa cgtagttat cccctcacct cgtgtatgga cgcattgtcta a 291

<210> 6877
 <211> 750
 <212> DNA
 <213> A.fumigatus

<400> 6877
 tgtgaaaaca atgacccgct acttacaac caccggggttg gcgctgggac ctgcgcttac 60
 ctgggtggcgg tcaagaggag cggcattcct gttctgccag tgggtggtgac cgcgttgatc 120
 ttctgtcgt ctgtcgcatc aggcggttct tttctcttca cctcttcaag cagcgtgcat 180
 tcattggccg aagctgggca tgcctctgaa cttttcaggc ggcgcaaccg atgggacgtg 240
 ccgtatgtag ccgtcataac gtcggcattt ttctccagtc tcgcatattt ctgggcgatg 300
 atatccagct cgattgtctt caattcgttg atgtatttta tcaccacctg cggatgcatc 360
 tcctgggttg gcacgtgtgt cgtctatctt cacttccgca ggcagacaga agcttttaggc 420
 ttacacctctg tacaccgagc cagaatacaa ccctatgggg tgtacttttg cattgtcaca 480
 tgtacactgt tgcctattgt taacactttc atcatagcga ctccatcgca gctggccgcg 540
 agcaagttgc ttctgtgta cttcggaata tcctcctttt tcctactcta tattggccat 600
 cgtgtgggat atgctgttat ccggagacgg actaggatga agaaaagcag tattgaggaa 660
 cctggagatt ggtctataga gctacctcct accacatcca acggcaggac aggaggagca 720
 gattcatcct tacataaac ggccctttga 750

<210> 6878
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 6878
 gctcgtgttt cagctaacga ttattcttct agggttgatg aatataagca agatgcccg 60
 ccaaccgagc gggatcatga tgagtacttc cccccccct tggcatttcc cttttgtccc 120
 tcgctgtggg aagctttcaa tttaacatat tctaggcttg aaaaccctt ggctcggatc 180

ccaaaggata ggctgcttcg agacgtggag gactacgctc aatcgtaaga cctgaatgat	240
atccttcccg agctgaagaa gggcgttttc accacggcgt gggcggacca aagcttcaat	300

<210> 6879
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 6879	
aaaccttttt atgagcttgc caactgggtca atggcctccg ttaaggtctt caaggatctg	60
agtgggactc tgacctccgg cttctcccg ctgccccttc ccttcccttg ccatgtcgtt	120
ccatccaacg acctcagaaa ggtgagacgt caaccgatct ctctagctca acaagtgcgc	180
aagtag	186

<210> 6880
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 6880	
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tttggtgacg cccgaactaa ttcttctccg caggtcgaca ttgatcgctc agaagaccaa	120
ggtagaacag tcgtgaagcc aggttttagac cgagaacttg accggatgaa ggacacctat	180
gacggtttga acgatctctt gaaagaagtt gcgacagaga tagcagcgac gatccccgaa	240
agcctcgata ttgacgtgaa cgtgatatac ttccccagc tggggttcaa tattgcagtc	300
ccactaaacg acatgggtga ggcagcttac agcggcactg ctgatgactg ggagcttatt	360
tttggttactg agaatcgagc atactttaag gacttcagga tgaggagat ggaccaaagc	420
ttgggtgata tatatgggct gatttgcggt attccacaga gaatctctt tgctgtgacc	480
atgacctaa	489

<210> 6881
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 6881	
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atgtttgcca agctatttgg ggagcaatta gaggatctcg gtctaccaga gaatcagaat	120
cccgctgccc actggcagaa gatggttgcc ctgcattctc gggaagtgtc gtcggctatg	180
tctggccctc tccgtaaact caaagacgca aaacagaccg aacgagctcc ccggccgaac	240
ctcagccgtg acgatttcga cttcgttgac catgacagtt ctgacctat tgaagaacac	300
gaaatttttg ctgcgaagaa gacgacgagg gaggaacttg acattctgag atcggagggtg	360
cgggatttga aggaaatggt ttacaaacta cgtcccaggt ttcggcggaa ccgtgtggct	420
tccaccgaca acggtataga aaccccagag ggaacacaag acaacctaca gagcgccacg	480
gttcactga	489

<210> 6882
 <211> 927
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (188), (295)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6882

tggttggtccg	gggttggtacc	cccccgaaa	aagcttccgt	ctaaacacaa	agggtgcttc	60
aagacggaat	tgattgatca	gacctatccc	gaaattctcc	gatttaacct	ttcttcgacc	120
gtgctagagt	tgagaagttg	ggaaatcgat	gatctggtac	atcttgacct	gatgaccctt	180
caagcccncg	agactctcat	gagagctttg	gaagagttga	attatctggc	ttgccttgat	240
gatgacggca	acctgacacc	gctggggccgc	cttgccctccg	agtttcctct	tgacnccgcg	300
cttgccgtca	tgctgatcag	ctctcccag	ttctactgct	caaacgagat	cctgtcaatc	360
acagctctgc	tttcgggttc	ccaaattttc	gtgaggccgg	cctcgagag	aaagcgcgcc	420
gacgagatga	agaatctttt	cgctcatccc	gatggtgacc	atctcactct	tctgaacgcc	480
tatcatgcct	tcaagagtcc	agaagcccag	gagaatccaa	agcagtgggtg	tcacgatcat	540
tttctctccc	tcagatctct	ccaatcggca	gacaacgttc	gtatgcagct	cctgaggatc	600
atggagcgcg	aggagctgga	aatgatctcg	actccttttg	aagacaagaa	atactacgag	660
aacatccggc	gtgcgcgtgtg	cgcgggattc	ttcatgcagg	tcgcaaaaaa	ggaaccacag	720
ggaaagagtg	tctatacgac	cgtaaggac	aaccagaatg	tccttctgca	tcctgcaacc	780
gtcctcggct	acgatgccga	gtgggtcctt	tataacgaat	tcgtcctcac	cactaagaat	840
tacattcgga	ctgtgaccgc	cgtcaaacc	gaatggctcc	ttgtatgtca	ttctcgtccc	900
agtactatga	ttaagtacta	tgattaa				927

<210> 6883

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6883

ctaacgaatg	ctctagaaat	ggacggcatg	acgtcgaaga	agaatgtgtt	cgatcatcggt	60
gctaccaaca	gacctgagca	gcttgatgct	gccctgggtc	gtcctgggtcg	tctcgatacc	120
ctgggtctacg	tacctctgcc	cgatcaggct	tctcgtgaga	gcattctcag	ggctcagctc	180
cgcaaaaccc	ctgtcgcccc	cgacgttgat	atccccctca	ttgccagcaa	gactcatgga	240
ttctctgggtg	ccgatcttgg	atttgtcacc	cagcgcgccg	tcaagctggc	catcaaggaa	300
tccattgggc	gctga					315

<210> 6884

<211> 1233

<212> DNA

<213> A.fumigatus

<400> 6884

agctttacgc	ggatcgcgcc	ctgtggtgaa	gacctctgc	gtcatcctca	gctgttcaag	60
tccatcggtg	tcaagccacc	ccgtggtatt	ctgatgtacg	gtccccctgg	taccggtaag	120
acactgatgg	ctcgtgccgt	ggcgaacgag	actggtgcct	tcttcttctc	gatcaatggt	180
cccgaatca	tgtccaagat	ggcgggtgaa	tccgagtcga	atttgcgcaa	ggcgttcgag	240
gaggctgaga	aaaactctcc	cgccattatc	ttcattgacg	aaatcgactc	catcgcgcc	300
aagcgtgaga	agaccaacgg	agaggctcag	cgccgtgtcg	tctctcaact	cctgactctg	360
atggacggca	tgaaggctcg	ttccaacgtc	gtcgtcatgg	ctgctactaa	ccgccccaac	420
tccatcgacc	ctgcccttcg	tcgtttcggc	cgtttcgacc	gtgaagtgga	tatcggtatc	480
ccagacocca	ctggccgtct	cgagatcctg	tccattcaca	ccaagaacat	gaaacttgct	540
gaggacgtcg	atctggagac	cattgcccgc	gagactcacg	gctatgtcgg	ttccgatctt	600
gcctctctct	gctctgaggc	cgctatgcag	cagattcgtg	agaagatgga	tctgatcgat	660
cttgacgagg	acactatcga	cgcagagggtg	cttgactccc	ttggtgttac	aatggagaac	720
ttccggttacg	ccctcggcgt	ttccaacccc	tctgctcttc	gcgaggttgc	tgtgtcgag	780
gttcccaatg	tccgttggga	ggatattggt	ggtctggagg	aggtcaagcg	cgagctcatc	840
gagagcgtcc	aataccctgt	ggatcacccc	gaaaagttcc	agaagttcgg	cctttcgcca	900
tcccgtggtg	ttctgttcta	tggtcctcct	ggtactggta	agaccatgct	tgccaaggcc	960
gtggcgaacg	agtgtgctgc	caacttcac	tcagtcaagg	gacctgagct	tctgagcatg	1020
tggttcgggtg	agtctgagag	caacatccgg	gacattttcg	acaaggcccg	tgctgctgcg	1080
ccttgccgtcg	ttttccttga	cgagttggat	tcgatcgcca	agtcccgtgg	tggctccgtc	1140

ggtgacgctg gtggtgcatc tgaccgtgtg gtcaaccagc ttcttactgg taggtttgac 1200
 aaaaccctgc gatatctaaa tacctgtgac taa 1233

<210> 6885

<211> 282

<212> DNA

<213> A.fumigatus

<400> 6885

aggcgccaga	agcagcgtga	gggggctgga	gaggatatca	agatggatga	tgagggcgag	60
gaggaggccc	gggtgcccc	gtcacccgt	gtcatttga	gggaggctaa	gaagtcggct	120
cgccgctccg	taagcgatgt	ggagattcgc	cgttacgagg	ctttcgctca	gagcctgaag	180
aactccggtg	gcagcagctt	cttcgcgttc	ccctcttcgg	gtgagatcca	aaataacgac	240
acgttcggtg	atgccggcaa	tgatgacagc	ctctacgact	aa		282

<210> 6886

<211> 225

<212> DNA

<213> A.fumigatus

<400> 6886

ataticgcagg	gttttgtcaa	acctaccagt	aagaagctgg	ttgaccacac	ggtcagatgc	60
accaccagcg	tcaccgacgg	agccaccacg	ggacttggcg	atcgaatcca	actcgtcaag	120
gaaaacgacg	caaggcgag	cagcacgggc	cttgtcgaaa	atgtcccgga	tgttgctctc	180
agactcaccg	aaccacatgc	tcagaagctc	aggtcccttg	actga		225

<210> 6887

<211> 990

<212> DNA

<213> A.fumigatus

<400> 6887

gatgaagttg	gcagcacact	cgttcgccac	ggccttggca	agcatggtct	taccagtacc	60
aggaggacca	tagaacagaa	caccacggga	tggcgaaagg	ccgaacttct	ggaacttttc	120
ggggtgatcc	acaggggtatt	ggacgctctc	gatgagctcg	cgcttgacct	cctccagacc	180
accaatatcc	tcccaacgga	cattgggaac	ctcgacaaca	gcaacctcgc	gaagagcaga	240
ggggttgga	acgccgaggg	cgtaacggaa	gttctccatt	gtaacaccaa	gggagtcaag	300
cacctctgcg	tcgatagtgt	cctcgtcaag	atcgatcaga	tccatcttct	cacgaatctg	360
ctgcatagcg	gcctcagagc	agagagaggg	aagatcggaa	ccgacatagc	cgtgagtctc	420
ggccgcaatg	gtctccagat	cgacgtcctc	agcaagtttc	atgttcttgg	tgtgaatgga	480
caggatctcg	agacggccag	tggggtctgg	gataccgata	tccacttcac	ggtcgaaacg	540
gccgaaacga	cgaagggcag	ggtcgatgga	gttggggcgg	ttagtagcag	ccatgacgac	600
gacgttgga	cgagccttca	tgcgcgtccat	cagagtcagg	agttgagaga	cgacacggcg	660
ctcgacctct	ccgttgggtct	tctcacgctt	aggcgcgatg	gagtcgattt	cgtcaatgaa	720
gataatggcg	ggagagtttt	tctcagcctc	ctcgaacgcc	ttgcgcaa	tcgactcgga	780
ttcaccggcc	atcttgga	tgatttcggg	accattgatc	aggaagaaga	aggcaccagt	840
ctcgttcgcc	acggcacgag	ccatcagtg	cttaccggta	ccagggggac	cgtacatcag	900
aataccacgg	ggtggccttg	taccgatgga	cttgaacagc	tgaggatgac	gcagaggggc	960
ttcaccacag	ggcgcgatcc	gcgtaaagct				990

<210> 6888

<211> 423

<212> DNA

<213> A.fumigatus

<400> 6888

ttgcctcaac	agctgcttca	ttcttccttt	cgaatttcgt	cctcctgccg	gtctcatcgg	60
caaactatcc	cggcgctcgc	gcgctcacca	ccctccacac	ccacgccaac	aacaccaaac	120
ccgtcatcaa	cgtctacctc	ggcaacctcg	cctgccagac	aggcgtcacc	aggtttctgg	180
agatgcctcc	ccccagatg	cccgcaaaaa	cggcccaaaa	cagcgagctc	gccaccgtcg	240
agagcgcggg	ctcagctccg	ggttcagggt	cagtctggcg	atacgacaag	acggaagatg	300
agaccaccaa	ggcctttcct	cccttctgga	aacggttcga	ctacgtgctc	attgagccga	360
gcgaggagaa	gaaagttcgg	agggcatcgg	gccggccgca	tagctgggag	gaggtcgagg	420
tga						423

<210> 6889

<211> 342

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (58)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6889

ttgctgatgt	cttgttttagt	gttcctggtg	ttgatcgtgt	tgtttccggt	cttcggttngt	60
ctccacctgc	tcgttgctcc	ctacaccaag	gtcgaggagt	cgttccatat	acaggctata	120
cacgatatcc	tgaaatatgg	tattcctacg	ggatgatgtc	ctggcatcct	agcccgttat	180
gatcattcga	cgtttccagg	agcgggtgct	cggacctttg	ttggggctgt	tgttttgtct	240
gggctgtcgc	agccgttcat	ctgggtgaac	gagagtattg	ataagcaagc	tctcggtatg	300
ctcttcctag	cttgcgcttt	gattcgcgaa	tctattagct	ga		342

<210> 6890

<211> 1473

<212> DNA

<213> A.fumigatus

<400> 6890

ttcgcgaatc	tattagctga	tggtattctt	catgtagctc	gaggtatcct	aggcctgttc	60
aattccgtgt	cgctgatctc	gttcgcgctc	ggcgtagcgc	gagcgttcgg	aaagactacg	120
gccatttggt	atctactggt	ccaagcgagc	caattccata	tcactacta	tgctcagagg	180
actctctcca	acatggttgc	ctttggcatt	actacattgg	caatgcgagc	tctgctcccg	240
gaacctgtag	ctcccgtgt	ctataggaag	agatgccgag	tgggattggt	cttgttgacg	300
atagccggta	tcattttccg	gtctgagttg	gccctattgc	tggttgccga	tacgtgtgtg	360
ctgttttcta	cgggtcgaat	ccgaatcgta	caggagatca	tcccagccgg	agctctagga	420
cttgtgggtg	gactggccat	caccgtgtca	gtggattcgt	tcttctggca	gcagttcccg	480
ttgtggccag	agctcgctgc	attcaagttc	aatgttctcg	cagggcaagc	ctccgcatgg	540
ggaacgcacc	cgtggcactt	ttatttcagc	agcgccatcc	cgcgcctggt	gctgaacccc	600
ttgacctatc	tcttcgcact	cccattcgcc	ctcacgcac	catccacccg	atcttccaca	660
gcatacatca	ttatcccatc	gcttgtcttt	gtcgtcatct	acagcgctca	gccgcacaag	720
gaatggcggt	ttatcgcata	cataatccca	cccttaacag	ccgccgctgc	ccaaggcgct	780
gcctacatct	ggacgcaccg	cgcaaaatct	atcatctacc	gtcttctctc	cctcgcgcta	840
attgcctcaa	cagctgcttc	attcttctct	tcgaatttcg	tcctcctgcc	ggtctcatcg	900
gcaaactatc	cggcgctcgc	cgcgctcacc	accctccaca	cccacgccaa	caacaccaa	960
cccgtcatca	acgtctacct	cggcaacctc	gcctgccaga	caggcgctac	caggtttctg	1020
gagatgcctc	ccccccagat	gcccccaaaa	acggcccaaa	acagcgagct	cgccaccgtc	1080
gagagcgcg	gctcagctcc	gggttcagg	tcagctggc	gatacgacaa	gacggaagat	1140
gagaccacca	aggcctttcc	tcccttctgg	aaacggttcg	actacgtgct	cattgagccg	1200
agcaggagga	agaaagtctg	gagggcatcg	ggccggccgc	atagctggga	ggaggtcgag	1260
gtgatccatg	gattcgcggg	gctgagggtc	ctgcgtccgg	acgatgaggc	tactgggcag	1320
ttggaggagc	gggtgttttag	catcgtgctt	ggtcccagg	gtgctcggtg	ctggacgatg	1380

gttagggatt atgctcggaa acatgtcaca cgcggatggt gggcggagtt gaagatggag 1440
cctaagatca agatcctgcg gcgtattagg tga 1473

<210> 6891
<211> 1119
<212> DNA
<213> A.fumigatus

<400> 6891
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cacaatcgcc agaccgcgta ttcccaattc cgtgccgcct accccgatcc tctgcgacc 120
ccaatcgatg attacgagcc agccctcctc aagtatctag gtccgagcgc tgctcatctt 180
cgcaagcgtc gcaccgcgtc gcgtcagcac gacttcacga ttctgaccca agtcggccag 240
ggtggctatg gacaggtcta tctgggtcaa aagaaggata ctcgagaggt gtgcgcgttg 300
aaggtcatga gcaagaagct cctatttaag ctggatgaaa tccgtcacat tctgacggag 360
agagacatct taacggcggc caagagtga tggctcgtca aattgctcta cgctttccag 420
gatgatgagc agatttacct cgcaatggag tatgtgccgg gcggtgactt ccgtaccctg 480
ctcaacaata ctggcgctct gcacaatcgc catgcccgat tctacattgc ggagatgttc 540
agctgtatcg atgcaactca tgcgctgggg tacattcacc gcgacctcaa gccagagaac 600
tttttgattg attcaactgg ccatgtgaag ctaacggact ttggcttggc ggcgggcatg 660
ctgaaccag gaaagatcga gtccatgcgt gtgaagttgg aggaagtcgg caataccccc 720
gttccgtttg gtccgccgat ggagcaacga actgcagccg agcgccgaca gggataccgt 780
tctcttcgag agcgtcaggt caactacgcc aaatcgatcg ttggttcgcc tgattacatg 840
gcgcccagag tactgaaggg tgaggaatat gactttacgg ttgactactg gagcttgggg 900
tgcattgctc tcgaagcttt ggctggatat ccgccctttg cggggggccac ggttgatgag 960
acgtggcaga atctgaagaa ttggcagaag gtccctcccg agcctgtata cgaagacccc 1020
aactatttcc tttcgcggcg gacctggggc ctcataacca aacttgtggc ggccaaagag 1080
aaccgagccc aaaaccttcc aggagatcca tgcgcgatga 1119

<210> 6892
<211> 210
<212> DNA
<213> A.fumigatus

<400> 6892
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cgtcctgata cgtatatcgg gtccgtcgaa cgaactactc agtttatgtg ggtgtacgat 120
tcggaaacgg agggaaatgaa atacaaggag gtctcttatg tgcccgtct ctaccagaat 180
tttgatgaaa atcgtcgtca acgctgctga 210

<210> 6893
<211> 393
<212> DNA
<213> A.fumigatus

<400> 6893
aaaccaggg caaaggccgc cccaagaaa gcggcaccaa aaaaattgac ccaaacaaaa 60
ctcacagcta agccagcggc gaaggcgacc gcttcaaaaa agcgatccaa acccgatagt 120
gaggatgatc tgtctgacga catgggaatg tccgacgacg actcggactc ctctctttcc 180
cagacacctc ccaagaaggt caaaaaggct cccgctagca agaaaggagg ctcaaaccct 240
cttgacagcg tggagaatga atcatttggg ggggatattg gcgatcaacc tgcaacgtcc 300
accaatgcgt cagagaagta ccagaagggt aggtctactgt tgactttacg ccactctttt 360
tgcacgccag tatgtagagg agaagcatgc taa 393

<210> 6894
<211> 201

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (44), (150)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6894

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atgctccaat	atggaattca	ggctgcgtcn	gctgccactt	cttactccaa	attctttttc	180
tcctaccaca	ccattgcctg	a				201

<210> 6895

<211> 822

<212> DNA

<213> A.fumigatus

<400> 6895

gcctcagggt	ccaaatctgt	gtctattctg	ggatcacgtt	tcaccaacgt	gatggcttca	60
caggagatgt	tccctgagtt	ggggcagttc	cctgcacccg	gcattaaaag	ccgcggcgctc	120
agccgctctc	cccacctca	tcagcagcag	caacagcaac	agcatcaaca	acatcaagga	180
caatttacag	gaacagtcac	tggcttagat	ctcgattctt	cgatcgctac	agctagttca	240
tttgccaatt	cgctcttcga	tcccaatagc	aacaacgtta	gcccttcgcg	cgaatcgtat	300
ggttatactg	ccgtctggta	tctctcaggc	actcctgcat	cgcagaccga	ccagaactac	360
gcaaatagtc	ttcagattcc	gcaatcgtag	ggcaccgggtc	tggttcctca	gttcaatgag	420
tctcgcggct	tgccaataca	gcagcagtcg	caacaacagc	accaccagca	gccctccctc	480
gatgataact	tctccgatct	tttgaactcc	aatgccaccg	agtacgactt	caacaccgtc	540
taccagactc	acagtcccag	tagtaatact	gctcctgagt	acgactcctc	ccttctgctt	600
gaccctcagg	tccaccagca	gtcgcacccg	acccagatac	cctcctccca	ttcctcgact	660
tctccgcaga	tctccctct	cgagcaacag	cagcactcct	caccgggtcc	aatgtcaacc	720
caaggttcga	caaccgtggc	ttactatacc	cctcagcatt	cccgtcatgc	atccttggac	780
cccgccacgt	cttcaccacg	gggctggaag	gagccgcgcc	at		822

<210> 6896

<211> 312

<212> DNA

<213> A.fumigatus

<400> 6896

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gatgctttcc	tcttctggcc	ctccttctct	ccgcacccgc	attgggtatc	ctctctgcgc	120
tcgttgatcc	ccttgtcccc	tttcaccgcc	cctctcttcc	cgctataaca	gacatactac	180
ggcggcgctt	ctctatcgac	ccccccccc	ccgcgcgctc	ggtcgcttgt	ccctgttttc	240
acgaccatct	tcattgctaa	gcctcagggt	ccaaatctgt	gtctattctg	ggatcacgtt	300
tcaccaacgt	ga					312

<210> 6897

<211> 480

<212> DNA

<213> A.fumigatus

<400> 6897

caccaccgcg	gatccttcca	gccccgtggg	gaagaccacg	agcgcatctt	gattcaggca	60
gccctgctca	tctccggcgt	cacccccctc	gtcataattg	cggtgtatac	gctgttcatt	120

gacgggtctgt	tctcgcatca	caaaccgtac	aatcctgcat	ccgggaagag	gaagcttacc	180
gggccgtacc	ggtggaagga	tcgcctgtgg	gagttcaact	gtggcttcct	gggtcttctg	240
ctatctcagg	gactcgcat	tctcatcacc	cagggtgctga	agaccgcatg	tggaagccc	300
agacctgatt	tgatcgatcg	gtgcaaaccg	agaccaggaa	gcgaagatct	gattcccggg	360
ttgtccaatt	cgactatctg	tacaggagac	cccgaataa	tcaaggatgg	attccgttct	420
tggccttctg	gtaagtttta	ccctggcctt	ctgatctttg	tcttgggcta	tgctgattga	480

<210> 6898

<211> 705

<212> DNA

<213> A.fumigatus

<400> 6898

tctcgaaata	tagcatcttt	tgcgggttta	ttctacttga	ctctttggct	gtgcggaaaa	60
cttcacttta	tggacaacag	aggcgaagtt	tggaaggcca	tcacgtcat	aatcccttgc	120
ctcgcagcaa	cacttattgc	cgtttcacga	attatggatg	cgaggcatca	tccttttgac	180
gtgatcagtg	gatcattact	gggcattatt	tgcgcctaca	tctcctaccg	ccagtatttc	240
ccacccattt	ccgagccgtg	gaagaaaggg	cgcgcgtatc	cgattcgaag	ctgggggtaca	300
gaccctgtgg	cacctagcaa	gacctcgctt	ctgtctgact	gtgcgagcac	atcagctctt	360
cggaacccgg	gggaagacag	gataaacgct	tctagtgtct	ctgagatggg	tccggcgcca	420
atttctccga	cttacatggg	ttcagctaac	ccgtacacct	cgaacttgcg	caatcgaga	480
tcccatgaca	atgatggaga	ttgggtcatcc	tccagtgaag	atcttgaga	tggatatgag	540
atgcagcatg	gctatgctcg	tacacagaat	ccggcaatcg	gcgggcttcc	aagatacgaa	600
gctgacacat	cataccattc	tcagacacaa	aatgtactac	caggcgctac	tgctgctcat	660
gtacccccgg	atccaatagc	caccgcgtcca	gccagggact	catag		705

<210> 6899

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6899

gtactccttc	tgagagccaa	cacagctaca	accttcttga	acatcatcta	ttgcacgtgc	60
gtatacctcc	cccagcgcaa	gggatgggat	gttggagcgc	agaatattct	ccgccccttc	120
tttctcctag	tcttgcata	gcatggcaca	cgtatcatga	tctctctgct	tgtgaatggc	180
tga						183

<210> 6900

<211> 579

<212> DNA

<213> A.fumigatus

<400> 6900

tattttctct	tcgcctctac	caaccagcc	atggcttcta	caggaggcgg	caactccgcc	60
ttccggaact	ataacaatga	ggtggctcac	gtggaggatg	ccagagagcg	ccgtcgtcag	120
gctctggccg	agattgacaa	tgccaagttc	agctgggtacc	acgttcgcgc	tggtgtcggt	180
gccggtgtag	gtttcttcac	ggactcctac	gatattctcg	ccatcaacct	ggcctccagc	240
atggttgggtg	ttgtcttctg	gcaggatgcc	aaatccagcc	ccggcaagat	tccctcgagt	300
gcagatacgg	ccatcaaggt	gtctacctct	ggtggtacgg	tgattggaca	gttggttttc	360
ggttggcttg	cggtatcgcat	tggtcgtaag	cgtatgtacg	gtattgaatt	gatggtcac	420
atcatggcca	ctctggctca	ggctctctcc	tcggactcgc	gtgctatctc	catcgttggt	480
attctcatct	tctggcgtgt	gattatgggt	attggtatcg	gtggagatta	ccctctgtct	540
tctatcatta	cttctgagtg	gtcttcacca	cggggctga			579

<210> 6901

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6901

ggatctatct	gctatattatc	tatagctata	tattttaatag	ctataaatatt	ctctcctctt	60
ttagattttag	caagattagg	cactttttaa	cctttttaa	taattacctt	cctagatttg	120
ccttcgccag	gctggaagct	atatttatta	aagttatata	ctaactatac	tagtatatcc	180
tttttaacca	ccctgtgaag	ctaa				204

<210> 6902

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6902

ggctgtaccg	actaccttta	cctagataag	tatagcgagt	ctaggggtga	ctaccagctt	60
gccactgcc	cagttccact	gcctggcgta	cccacttact	acatatctgt	gactaaggct	120
ccccctcacc	gctccgcgtt	gagggtgagc	cacagtgaaa	ccactaacca	caccaaacc	180
accatttttc	aatatattga	ctatttgaag	ctattctaa			219

<210> 6903

<211> 213

<212> DNA

<213> A.fumigatus

<400> 6903

gcgcaacttca	gccccgtggt	gaagaccttc	aagagggaga	tgcacatgtg	caacactgct	60
ggacttccct	tctgcccgtt	gcggagatgc	gcttctgggt	ccgatatttc	cctacctcaa	120
gctggagctg	ccgttcgtct	agattttcct	tcattctcatc	catcgataa	ttcagatcgc	180
atgcagggtg	tctacacgct	ctctagaatg	tga			213

<210> 6904

<211> 663

<212> DNA

<213> A.fumigatus

<400> 6904

cttccgaagc	tgaacagaat	catgtccaac	atgtccacca	atcggccttt	tctgtccaac	60
tttctggcgg	cgtttcgggc	ccagtcgacg	tacaaggcct	cgacagccgg	cagtcagtcc	120
gccgcaggtc	catcgctctc	actctctgcc	gctcagatct	ctcaaggggc	ccgagcaata	180
gccaccaaga	ccggtgccgg	ctcgaatgcg	agcacttcag	cagagcaatc	atcctcctct	240
accactactg	ccgtgcacgc	agcatcgaac	caccactatc	atcaccactc	gtcctctgcc	300
gctgccgc	cttcacatgc	tagacctcat	tcccaccctc	gaccgtcgct	gaatcagact	360
tccccgagta	cagaatcccc	tgcttcttcc	atctcgaccc	ctctagctcc	gtcttccccg	420
cctacacctg	cctcgtaaaa	tcccataccc	atcgcggatg	gtcctgaccg	ccaacggcga	480
gggagtgaca	gttccagtg	atctggaggc	ttccgggatg	cccttggccc	ggagaagtgg	540
tatattggcg	gtcgaacggc	gacaggagag	gagcgcttct	accggttagg	gatgggtgacc	600
aaaggtggcg	gacgactggg	aggcagtggg	cgagtcggga	gcattgatca	gttgagcctt	660
tga						663

<210> 6905

<211> 261

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (77)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6905

gcgaccactc	tggtcagcgt	gctatgtaca	accactcaca	ctatgcgac	tggcaagaag	60
tcccgacgag	taactgntat	gtccctgttc	cttttccgct	gcaatccaca	taccatgtcg	120
gcgccaccta	ttcatcaagg	cttgacagact	ttaggggata	gccgcgatac	ttgggattct	180
atcaacaatg	agaccagttt	tgatgcttcc	aatggcgaat	ttgaacactg	gatcaactct	240
caagcatctg	gatatgcctg	a				261

<210> 6906

<211> 846

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (846)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6906

aaatgttctc	tttgggaaac	aaggaccagt	ggggaacatc	ggccccaag	gggtgcgcca	60
aggcgggagt	tgcccaaaaa	gaatggcaaa	gtcgccagac	ccatgaattc	gttcatgctt	120
taccggtccg	catacgccga	gcggaccaag	gagtgggttg	cacagaataa	ccaccaggtc	180
gtttcagagg	tcgcccgcga	cagctggcgc	attgaaacgc	cagagattcg	cgagaagtac	240
gaggttctcg	cgaacgtcga	aaaggccaat	catctcaaag	cacaccagg	gtacaagttc	300
tctccgtcga	aggaaaagaa	gaagagatca	gaaacggatg	acgaccagct	gactgtggat	360
ggtggcgaga	tgacctctgg	atctagcccg	gcgttcctcc	aagttcgtgc	tgtgggttcg	420
tctgaggtcg	acagcaatgg	ctgggcccagc	cgcgactcga	caccttcga	ctttccagag	480
catgggctgc	ccacaacgac	atattacgat	tcttcgtggc	agaccagtea	tcccagcatg	540
tcagctccca	agcctttttc	atacctccag	cagccaatac	atccaaacct	catcggccct	600
cctactgaag	attctcgggt	caagcacgtt	ggactccaga	acattcagtt	cacctcgtcg	660
actgcgctgg	ccgggctgcc	tggagccgcc	caccacgacc	ttcttcagcc	ccagaacaat	720
tttggagctg	gaccgatgg	acagctggat	cctcagttgc	tgtcattaag	cgaccactct	780
ggtcagcgtg	ctatgtacaa	ccactcacac	tatgcgatct	ggcaagaagt	cccgaacgagt	840
aactgn						846

<210> 6907

<211> 381

<212> DNA

<213> A.fumigatus

<400> 6907

atagttctga	ggtcaccttc	gctccctttt	agggcctctc	atacggcgac	ccgtcaccag	60
ttcacagtcg	cccgtcgcgg	caaagtagcc	ccaatcttct	acaggcccaa	agagaacccc	120
tacatgttgg	atctgcctcc	aaagcgttct	cgggacgttc	ttaaggcccc	agcggcggat	180
acttctgagg	ccaagacgat	ctccttttga	tgcaagacgg	atcaaaaagg	caagacggcg	240
cctgttgact	gtactgtcct	gttcgagggc	atacagaata	acgatctaga	gattccgaag	300
gtccagtcgg	cgatatacgc	tagcatgcct	cgcgttgacg	ttttcactca	cgtgaggaga	360
ccagaccccc	cgcttatgta	a				381

<210> 6908

<211> 657

<212> DNA

<213> A.fumigatus

<400> 6908

gatatctcgc	ctcgagactg	tggatgcgca	ctgaaacaga	ttctcaccga	cggctttcat	60
aagggacgaa	cagcaagcga	gggtggccaa	actcctcgca	gtgccaccat	gaatcagatg	120
aatgtgacgg	ggatgaaccc	tggggctggg	ggcccagttg	gtggtgttcc	tatgatgaat	180
aacggttcca	cggctcctcg	taacgatgga	aatgtgaaca	acatacctga	gacgatgac	240
aacaacctca	acacctacat	ctacgactat	tttctgaaac	gtggctatca	tgaatgtgca	300
agggctctcg	tgaagacga	gtcgatcaaa	ttgaacactg	aaccccctac	aaaaacgagt	360
ccgggtcacc	gtcgtgaaga	catgaatggc	gtcgaaggcg	atgcgataat	gaccgatagc	420
aaggacggtg	acaagattaa	gattcctgat	gaccttcctc	gacctaatct	cgcgagcgaa	480
agtcaacaat	cctctttcct	cctggattgg	ttcagtcctgt	tctgggattt	cttctgggct	540
cagcgcaaga	aaggcaacag	caacgacgtg	agacagtatc	ttcaacacac	tcaggtaatt	600
cccacctct	cctgctgcgg	atggaatggg	cctaattggt	attctggtag	aatatga	657

<210> 6909

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6909

gtccgattct	tgtctctacc	ttatggttgc	cacattgcaa	tccagactga	tgtggttgag	60
caaaatgttg	attggatttc	caagggtgctg	tactcacttt	cgtgcgttgg	tctagatcta	120
ccagatttgg	gctccaacaa	ccatgataag	ggacattctt	cctacttttt	cagagtacgg	180
ggatgttctc	cacctcgac	ctaa				204

<210> 6910

<211> 291

<212> DNA

<213> A.fumigatus

<400> 6910

actaccagct	ggcttatctt	catgcaggag	aattcaatcc	cacggctgtc	agaaaacgaa	60
tcagaaagac	tgggcagccg	aaagatggct	attccaagac	tgaccgaagg	aactgaatct	120
gcgttcacat	cacctggcag	atttcacgc	cgtcacgtac	ggcgggcatg	cgaatcttgc	180
aggcaaagaa	agacaaaatg	tacaggagat	aaatccggat	gccggaattg	ccgcgaggcg	240
gggatcatct	gctgctatac	agatggtaaa	agggaaaagt	caaaaagggtg	a	291

<210> 6911

<211> 573

<212> DNA

<213> A.fumigatus

<400> 6911

cacacatccg	ccaccatta	ccgagatagc	ccatacaata	tggcctacga	gctatctacc	60
cttcagctta	gctgcgtggc	ctttgtggcc	ttcatggccg	ttctggtatt	cgggactcgt	120
accagaaacc	tcaaacagaa	cgtcccgcct	gggccaaagg	cattgccaat	tattgggaat	180
ttctttgatc	cccccccaa	ggggcagccc	gagtatctgc	actggttcaa	gcacaaagat	240
gcctatggtc	ccgtcagttc	gatcaatgtc	atggggacaa	cgctcgtcat	cttccatgac	300
aaggacgcgg	cccacgcggt	gatgggaaaa	aaggcccaaa	agacatccgc	gagaccccag	360
ctcaactttg	cccagctatg	tgggttcgag	aactttctca	ttacccatca	gtacaatgac	420
aagtaccgcc	tgcaccggaa	aatggtgcac	caggagattg	ggacgaaagg	gctctctgct	480
ggtttccgcc	ccgttcagga	gcaagaatcc	attcggttca	tcctacagac	gttcaaccgg	540
ccggacgaca	tcttgacgca	cctgaaaacg	taa			573

<210> 6912

<211> 774

<212> DNA

<213> A.fumigatus

<400> 6912

gtgccctacg	acgtggtaat	atgtcttcta	cactgtctca	tgggtttag	gttggctgcc	60
gccatcgttt	tgaaaattac	ctatggatac	tccattgagc	gaaagggcca	ggacccgttg	120
gtcgagttga	tcgaacacgc	catggaaaac	ctgtcccaag	catttgtgcc	tctcgcttgg	180
gccgtggact	ccgtacctgc	gatcaagtac	cttcagact	ggttccccgg	catgtcgtac	240
cggaagacgg	cgcggaaatg	gagggctatc	aatgaggccg	ctgcggaact	cccttacgat	300
tttgttaaac	gccagatggc	gcacaaagcc	caccagccgt	catacgtgtc	caatcttctc	360
gagaagcaca	tgatcaagtc	ggaggacaac	aagatcaacg	tttccgcggc	tgacgaagag	420
gcgatcaagt	ggaccgccgt	gagcctgtac	gccgccggct	cggacagtac	cgctgccatc	480
atccacagcg	tcatctgtgg	tcttgtcatg	ttccccgagg	ttgtgacaag	ggcgcaggaa	540
gaaatcgacc	gagttgtcgg	ctccgatcgg	ctccccaaact	ttgacgatcg	aaccaacctg	600
ccttatgtcg	acggcattat	caaggaagcc	tggcgatgga	atcccgtggg	acccatggga	660
ttgacgcaca	agtccgagga	agatttagtg	tgcggagaat	atctcatccc	caagggttcc	720
tatcttctgc	cttttctatg	gtggttctctg	aacgaaccca	aaaaagtccc	caga	774

<210> 6913

<211> 606

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (597)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6913

tatagcggcc	taactcctat	agctctctcc	ggttctcccg	ctaacctgta	tgccatctcc	60
gccgtcctca	acacacatga	ccgtctgatg	ggcctggatc	tgccccatgg	tggccacctg	120
tcacacgggt	accaaacgcc	caccaagaag	atctctttca	tctccaagta	cttcgagacc	180
ctgccttacc	gcttggatga	atccaccggc	ctcattgact	acgatggagc	ggagaagctg	240
gctctgetct	accgacccaa	gctgatcatc	gctgggactt	cggcctacag	ccggcttata	300
gattaccccc	gcatgcgcca	gatcgctgat	gccgctgggt	cgtacttggt	gagcgatatg	360
gccacatttt	cgggcttagt	agccgccggg	gtgctgcccgt	cgccttccc	ccactccgac	420
attgtgacaa	ccacaaccca	caagtctttg	cgcggtcctc	gcggtgccat	gatcttctac	480
cccaaggcgc	tccgccggac	agacaagaag	ggcaacaagg	agatgtacga	cctcgagaat	540
ctcatcaacg	cgtcggtctt	ccttggtgtc	ttcaccacgg	ggctggaagg	atgcacngct	600
actcca						606

<210> 6914

<211> 270

<212> DNA

<213> A.fumigatus

<400> 6914

cgtgtacaca	tgattgcaga	agctgggaaa	cctcacaatt	tggctctgctc	agagtgtcga	60
agtccagatg	atttgatgct	ctgcgagact	tgttgtaggt	cgtaccatgc	gcgatgtctg	120
ccagatcctg	ctagacctgc	ttctacaggc	aatttttatt	gtccttcttg	cagagacaag	180
cgatgggatc	tgacgccgcc	tctcatcaac	tcattggcgg	cttcaccagg	gtctctcgga	240
gcagcacacc	tgttccaccc	ccgcctataa				270

<210> 6915

<211> 585

<212> DNA

<213> A.fumigatus

<400> 6915

tatcgagggc	gtcacaacga	ttcagtcgtc	gtcttcgacc	gagactccca	gcagctggta	60
ctgcggaacg	cttctgacag	ccatgcgggc	cttgaattga	ccgactgtcc	gtattgccat	120
cgaccgcttc	gcgagagcaa	tgacgggtcaa	gaagggcacc	atgctagtcc	tcagccagaa	180
tttgtcaacc	cggactactt	tgcgatgctt	cataatagct	tgcttagctc	cgccggactcg	240
tcaacacccc	catctcctcg	tgggcgtttg	gttcaacctg	ctcttgccga	tgggtccacg	300
agcgagccaa	ctccgtccat	aagtgggaacg	caggggatat	cctccgccgc	atttaccacg	360
aattacttca	aaaagttttt	cgttgaggag	agaattctag	ggaaagggtg	aaagggtgtg	420
gtgcttctcg	tgaagcatgt	gcttgatggt	gtatcgttgg	gacactacgc	ttgcaaacgt	480
gttccagttg	gtgacgatca	cgaatgggtg	gaaaagggtt	tgggcgaggt	ccaactatta	540
catcttcagc	ccgtggcggc	aagggtaccgc	gctgaaccgc	gctgc		585

<210> 6916

<211> 201

<212> DNA

<213> A.fumigatus

<400> 6916

atcgggcgtg	acactcgtca	acacttcttt	cagttaggcc	atcgtgacaa	cgcaatgggtc	60
actgagttga	tgctcaatgc	atcgcgggtcc	gatattattg	ataccacac	cctatataaa	120
tggaaattaa	caaagcagat	gagctatttc	cgtttactgt	accttggtaa	agactgtaga	180
agccaaatgg	gcagtaccta	a				201

<210> 6917

<211> 204

<212> DNA

<213> A.fumigatus

<400> 6917

agctttaacc	ctgcagcaca	gggcaattac	ctaccattgt	ctctcacata	catgagaggc	60
agaaaatgca	aagggtcaatt	caatgtctat	atgaacttgc	tgtatcccgc	ctctcttaat	120
gacattctgt	gccccgaata	cctcgaaacc	acctcgcaat	ctcacatagg	aaacatacac	180
ataagtata	tatccaggac	atga				204

<210> 6918

<211> 1020

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (122), (124)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6918

gaccgcgttc	ttcggtcgtt	cattggttgt	tacgttatta	tctgcccact	tgccaagggt	60
ggagatcgct	ggatcctcaa	tttccgggtg	cccctgatct	attcaaaaga	gacttgccgc	120
tntntcggga	ccctgagaaa	attgcgtcag	tccaacatgt	ctctcttcgc	caaatacagg	180
gctgccacgg	cgcaagtcgc	cagcttctcc	tcttccacct	gccgtcgagt	cggaccagag	240
tctccaaatt	tcgtcgacgt	ccctcaaacc	attcagccc	atttacgagt	gaaacccccga	300
gttaagggtg	cgctgcccg	ccctcgagag	ctcttccttg	cccgccgagt	agacaagccc	360
tccgaagaat	acattgctgc	tgcgacacca	cttccgttga	aggatatcaa	aatcgacccc	420
aacgacccac	acgctgaata	caaggattgg	aagcggcgaa	tggccgacat	gaggcggcag	480
aatcttcggg	aagggtctct	cgaattgcac	agccggaagc	agcgtacgga	caagttgatg	540

gcgtaccgca	gcattcagag	acagagaaga	cgcgaaacaag	ttcttcggca	gccggaaaga	600
gacgatgagc	gcttgactcg	tccctctatt	gtccaggaga	tgctgcctaa	acgtactccg	660
gtgctgccc	atcccagac	agaagagcgc	cttgctcaag	ctcgcgcaaa	gttggagagc	720
aagaaggttc	gggatgagtt	agaacggcag	gactcggttac	aaacactcta	catgaatgct	780
cgtactttta	tcaccaccga	ggctcagctt	gccgccgaga	tcgagaaggt	gttccccgac	840
ggcgagaacg	aggcgtggcg	tagtgatcac	cagcagggtg	aaaatatattg	gaatcttggt	900
gtgcctccga	cagtgcacaa	cattgtcaac	gattcgaaga	agagcgaagc	agctcggttg	960
gatcttatcc	agggaagagt	caagaagctg	ggagagcaga	ttactggagg	caagatataa	1020

<210> 6919

<211> 660

<212> DNA

<213> A.fumigatus

<400> 6919

ggcgcggtaa	cttactctga	ttcaatggaa	cagacatttg	atcttcctga	ctctacagac	60
tggttgga	cgccgttgct	gctcgtctcg	ccgctggaat	cctctctccg	ttgtcaagtc	120
tgcaaggact	ttttcgacaa	ccccgtcatc	acctcgtgca	gccatacggt	ctgttcgtta	180
tgtatacgac	gatgtctaag	tactgaaggc	aaatgtccag	cctgtcggag	ctcggatcag	240
gagctcaagc	tgccggcgtaa	ttgggcgggt	caggagttag	tggaagcctt	ccaaaacgct	300
cgctccgagca	tgctcgagct	tgcaagggaag	gccgctaact	cgctcttgga	tggtgggtat	360
gttacgggtc	aacctgcagc	gaagaaacgt	aagggtggatc	aggaggatgg	tccggatgcg	420
tctgggtctg	aggggatagc	gacaagggtca	caaagcagaa	gaggggaacag	ccaagctgag	480
cctgttgtgg	tggtatgcgat	cgaagacgac	caggacaggg	aatatatccc	gggtacgtta	540
tttactccac	ttaaacaagt	tcggctcggg	gtaagaagag	ccatggcgcc	taatatgaac	600
gtatttaaaa	ggacggtctg	gttgcatgcc	ctaattggcg	gccggagaat	ggaaaacgaa	660

<210> 6920

<211> 999

<212> DNA

<213> A.fumigatus

<400> 6920

cccagcatgc	gtttctcaac	agtcctctca	gctcttttgc	tatcaagcac	cgcgctcgca	60
actccagcgc	aggtatcctc	acccgtagat	gcttcatcac	aggggagtg	agcagacgaa	120
cagtcggtag	cgcagacaac	agcagtagcc	gaggccactc	cggttgcaca	acaaagtccg	180
agcccaacc	agcagaatgc	caacgctgcc	aaccaggagc	agagcgccaa	cgtcaacacc	240
caggcagcac	cagctcccc	aaccagctcc	ggccctcagc	ccactgaaaa	tgctgaaccc	300
tcgcccagcc	cttctgccag	tcagaaggac	agcaaccgcg	tgaatatcct	gtccaacctg	360
gttccaacga	acactgctgg	tgagcaagcc	caaagtgtct	ctacagccat	cactccaact	420
gctgcttctg	cggagagctc	ctctaactct	gagaccgcca	caaaagcagc	tgcgccaacc	480
gctgccggta	gtactgggtc	aggctcatcg	tctggagggtg	cgtcagacgg	gttttcggga	540
aacatcttcc	aagatctgca	gaatctgtta	caaggcggtt	cgggcctctt	gtctcccacc	600
ttgctgaagg	atatcgaatc	cttcttccac	cacttcgcat	acctgtttga	cgacaagacc	660
accgaccaga	ccaagtcttt	gatcgatacc	ggatacaacc	tcctcaccoc	tgagctgacc	720
aaggaagtgc	tgggcctctt	gagtaacgcc	aacgccttgc	tcacgcccag	cttcgtgaac	780
gagacgcaag	aactgatcgg	cgcagtcggc	ccgctactta	cacctcaact	gttcaagcag	840
atctcgaccc	tgctgaacaa	tggcaacaac	ttgctgaccg	ctgacttcgt	caaggaagtc	900
aatgggtctga	ttggcaacgc	caatactttg	ttgactcctg	atttcgtcaa	ggagactcgc	960
gtcttcacca	cggggctgga	aggatccgcg	gtggatcta			999

<210> 6921

<211> 345

<212> DNA

<213> A.fumigatus

<400> 6921
 gaaacccgaa ccataactga aactgactct cacaggtatg atcgcacgcc gccgtgctcc 60
 gcaatcaaag ccgtcactca gtgcagccaa ttcttcacg aggtcagcct cgacaagctc 120
 gaatcaggaa caacgtacta ttaccagatt cctgccgcca acggcaccac tcaatcggaa 180
 gtgctgagct tcaagaccgc tcatcgtgcg ggagatcgcc gtcccttcag tgtggccgctc 240
 ctcaatgata tgggggtacac caatgcaggc ggctcgttca aacagcttgt caaggccgccc 300
 aacgagggtta ccgcgtttgc ctggcacggc ggtgacctga ggtaa 345

<210> 6922

<211> 483

<212> DNA

<213> A.fumigatus

<400> 6922
 tattttctcc cttcgatcaa tttgtcaacg gtaactaaaa ataatgatca aatcagctac 60
 gccgatgatt ggtattcggg tatcctgcct tgtgcagacg actggcccgt ctgctacaat 120
 ggactagca cggagcttcc agggggaggg cctgtccccg atgagtacag aaagcctctg 180
 ccagcgggtg agatcccaa ccagggcggg cccaggggag gcgatatgag tgtcctctac 240
 gagtccaact gggatctgtg gcagcagtgg ctgggaaatg tcacgcggaa gatccctac 300
 atggttctcc ccgtaacca cgaggctgca tgcgcccaggt ttgatggccc cggcaacgtg 360
 ttgaccgcat atctaaacaa cggcgtctcc aacggcactg ctctaaaggc caacttgacc 420
 tactacacat gccctccgtc ccaacgggtat gatccacccc ccgctgtctc ccgcaccagc 480
 taa 483

<210> 6923

<211> 555

<212> DNA

<213> A.fumigatus

<400> 6923
 cctactacac atgccctccg tcccaacggg atgatccacc ccccgctgtc tcccgcacca 60
 gctaaccggg acaggaactt caccgcgtac cagcaccgct tccgcatgcc tgggcccga 120
 accggtggcg tcggcaactt ctggtactcg ttcgactatg gcctcgctca cttcatctcc 180
 atggacggcg agaccgactt cgccaacagc cccagtggc cgttcgcggc ggatatcaag 240
 ggcaacgaga cacacccgac agcctcagag acccacatca ccgacagcgg cccttttggc 300
 gccgtcgacg gcagctacaa ggagaccaag tcctacgcgc aatacaagtg gctgaagaaa 360
 gatctcgcca gcgtcgaccg gaagaagacc ccctgggtgt ttgtcatgag ccaccggccc 420
 atgtacagct ccgcgtactc gagctaccag aagaacctcc gtgctgcgtt cgagcgattg 480
 ttcttcagct tcggtgttga tgcttatctc tctgggtatg gtgcatgttt ccttcgccgg 540
 gaacgcagat actaa 555

<210> 6924

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (9)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6924
 catcctgcng tgaagcctgc gacggcgaac cccaagaaca atgtcaatgt aatctcgctg 60
 tcctatttgc cggatggcat gcacgttcac ttccagacac cgttcggatt ggggtgagg 120
 ccttccgtta aatggggcaa ggatcccaag cacttcgacg gagtcgctca tgggtatacc 180
 cacacgtatg ttcttgctc ggaattagga aaccggaacc ataactga 228

<210> 6925
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 6925
 tgcagtcaca tccactggta cgagcgcttg tatcccctcg gcgccaacgg caccatcgat 60
 tcggcgctga ttgtcaacaa tcacacctac cgcaccaacc cgggcaaata catcaccac 120
 atcatcaacg gaatggctgg taacattgag agccacagtg agttcggcaa gggccagggc 180
 ctccagaata tcaactgcttt gctggacacc acgcactttg gtatcagtaa gcttactgtg 240
 ctgagtgaga aggaggttaa gtgggagttt atccgcggtg atgggtctgt tgggtgactat 300
 ttgacctgc gtaaggagaa gacacaatct aaggaaaaat ag 342

<210> 6926
 <211> 708
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (9), (41), (69), (78), (91)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6926
 ttcaggggng aggatgttca tcgccacaat atcacttttcg nacagcgacc cctgagcttg 60
 tcattttcnt atgtgccnca ggcaccgatc ntgcaccaga cccagcaact gaccccggt 120
 tatgattcgg gcgacatggc tttaggcoot gcccttactt ttttcacctt gtttgataag 180
 ctgggtgattg tccctcaggg aacctttctt tccaatgctg catcgaagcg ttccgtctca 240
 gagcgggacg tgatggctga atcgttccat cggaaacagg cagtgcgaagc aggcgatcga 300
 ccctgggtttt gttgggtggaa tggcactatg atggaattct ttttgtatac gaatcagaca 360
 tccaagcatg ctgggcagac ctgcagacgt tcatccgcac caaccgaaac gtcgccgcca 420
 cagaatggga agagaggcct ggcacctctt gattccttat ttgactatcc ccgccggatc 480
 aaaatccagg agaagcgaaa ccaccctggc tcccgcaccg cctactgcca gcagatgaaa 540
 gtgttggacg acggatcgat agcaacggct tccccgaga caattgagat taaagaagtg 600
 gaaccgacac cgacaaccac cctcaagggc tctggcagtg ccactcaaac ttacacagcc 660
 aaggcacaat atgaaagcgt gtgctactgc gcatcattga ccgattag 708

<210> 6927
 <211> 1326
 <212> DNA
 <213> A.fumigatus

<400> 6927
 accaccgaac agccagagct cgaagccatg atttcagaca tcgccatgcg aatcaactcg 60
 atgcactcaa cgcttgctca tcaaccacta gtattcctca aacaagatct tgccttcccg 120
 caatacttgg ctttgatctc agtggcggat gccttgatga tcaccagttt gcgtgaaggg 180
 atgaatctga ccagtcatga attcgtgtac tgccaagacg gaaaatacgg aaacaagaag 240
 tatggatctc tcattctgag cgagttcact ggaagtgcgt cggtttttgg caaccacgcg 300
 ctgcttgtca acccctggga ctaccggcaa tgtgcggagg ccgtccatac tgcgctgacc 360
 aggagcgagg cggatcgta acgggtgtgg gagcagcttc gccgggctgt ccttcagaac 420
 tctacaggaa attgggtgaa atccttcaat gagagattgc aacgtgtctg gaatgaacag 480
 tcttcgcgcg agatcatggc tgttccacgc ttgcctgtta ataaagtgga ggagatgtac 540
 cgaaaagccg ctgcgcgatt gatcattgta gactacgagg gcactcttgc gtcattgggt 600
 tctcccaaga gcatcattgt cagcactcca cagcgagcga ttgtcacgtt gacggatttg 660
 actgaggaca gtaagaatgt ggtttatgtc atgagttcac gaatgccga agagatggaa 720


```

cgtctgttcc gacgcgttcc tggcctcggg ctgatacgcag agaatgggtg cttcgtgcga 780
gagccgaaca ctgaagaatg gctcaagttg accaacaagg agcggacaga tgcctggaag 840
gaaggcgtca gccagattct cagctactat caggaacgag cggagggcag ctggattgag 900
aaacgccact gttccctcgt gttccactat ggctcggcgg aagacaacga agctgcctct 960
cggctggcat ctgagtgtgc aggtcatatc aacgatgcat gcgccagtca gggggtacat 1020
gccgttctca ttgaccgtgc actcgtggta ggaccagcaa atacgaacaa ggcctcggcg 1080
gcggaattag tatggcggga ctgcctcaat gcgagccaaa aggacgagca gattgctcga 1140
ccggactttc tgttggccat tggagacggg cgagacgacg agccagtgtt ccgatgggct 1200
aacaagctgg aaagtgcaa ggcagttggc tatgcgatga cagtcactct ggggtctcgc 1260
agcacagagg ccaaagccac tttgacgcag ggagtgactg gtaagttgtt tgcgtgcca 1320
tactag 1326

```

<210> 6928

<211> 600

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (587)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6928

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actgggatac cgcctatcgc atcgcctctc atgggtcadc ttttgcaaca tggaagggcg 60
actgtgaggc ggttgagcag acgaacaagt cggtcacaac gattacaatt aagacaccac 120
tccaaggcat cacctaatcc tgtccctgag aagaacagca catcagcaaa cgcttcccga 180
tcgggtgcta caccctcatg cacatcgcca tgctcccaa ataccagttc gccacaaaac 240
acacctttag ctgcctccac ccccgcccga tcaagtccga gaacgttctt ccaggccatc 300
caggcaggac caattggcag attggcagac tcatacgcca gagtacaaca aaggagacct 360
tatgcgacgc aggttgtcag ctctattgtg gtatatctct gcggcgacct aagtgcgcag 420
ttgctgttcc cctccgagag cccggcgcaa acttcacggg ttgcgtctga agagaagcct 480
gcggaactcg ctgaagatgg tgagggtgta gctgcttcga gtgggggtta tgatcctttg 540
agaactatgc gacatttgac ggttggcgtg ggatccgcca ttccgtncct acactggtga 600

```

<210> 6929

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6929

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gcacagctat cctgtttgtc attatcacgg catctgttat tatatatata ctctaagaaa 60
tatggtagat tgaacgccat cagaatgcaa ttagtctacc agcgtaccgg catattcggt 120
ctccctcatg cccctccaag cctgttttcc tgccagatca ggccattgca cgagaaatcg 180
atcagcaaaa ggttaa 195

```

<210> 6930

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6930

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cgggtattta gaggattggg agctctagtg gctcaaaagt acgctgctga agggtgtaac 60
gttgcgatca actacctatc gagtaaagac gttgcggagg agcttgcatc cagcctacgg 120
actcagtacg gcgtcaacgc ggctactgtt caagggtgtaa gtcattgctcg cctgctgtgg 180
tag 183

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<210> 6931
 <211> 855
 <212> DNA
 <213> A.fumigatus

<400> 6931
 gagaacactt ctctttcctt ccttctggcg gcgtgctcaa gacctacttt tcagctcggc 60
 actggtgctc tatcaatata gcaaaacttc agagttcggg agtggcgacg aaagaatagc 120
 ccaactcatc ttctcgttgt tttaggcagc ggcggacata ctgcggagat gttctccatg 180
 ttgcggcgta tgaaactcga cccctcgaca tatacgtacc gcacctacgt cgtcagctcg 240
 ggagacaatt ttagcgctgc gagggctgtg gagtttgaga cagaatggct gaagcaaagt 300
 ccaaaactat catttcctgc caatggcagc aactccacag agtcctacgc agtcgtcacg 360
 gttcctcgcg cgcgcctgtg gcaccagtct tacctgactg ctctctcttc aaccttcaa 420
 tgtttctatg cttgctttct tgtactctgc ggccgtcatc ccgagcaaaa gtcgccgctt 480
 ccgacaacga actcgccata cccggacgtt atccttacca acggtccagc gactgcagtc 540
 tgtatggttt tggtgccaa atctttgcga ctgtttcact atctgaagtc acttttttat 600
 atcaaggacc accaagacag ggatagctcg agatcatctc aagtgaagag atcagaggat 660
 gccccggcac cagttcactt ccagctgcgt accatttacg tagagtcagc ggcacgggtc 720
 acaacattta gtctaagcgg gaaactgttg ttaccttttg ctgatcgatt tctcgtgcaa 780
 tggcctgatc tggcaggaaa acaggcttgg aggggcatga gggagaccga atatgccggt 840
 acgctggtag actaa 855

<210> 6932
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 6932
 cgcctcgtcg gccaaacgag cacacccagc gtctctcttc acaacaactt gagtttggga 60
 aaccttctcc tctcggccca tatcaacgtc caaacccgcc ccaccagcaa cagccgaacc 120
 atcctttcaa tatcccaaaa ccgaaccggg ctgcacctga acatcacaga cctgcaccgc 180
 agtcaaggct atacaatgct cctcaccctg gtataa 216

<210> 6933
 <211> 1200
 <212> DNA
 <213> A.fumigatus

<400> 6933
 caactgctat ttacatctga cgggaattcag agagacattc atagatacca ctcgatggct 60
 aaagaaagcg acgcgccgcc gtcgtatcca atgacgcctc gtcggccaaa cgagcacacc 120
 cagcgtcttc tttcacaaca acttgagttt gggaaacctt ctctctcggg cccatatcaa 180
 cgtccaaacc cgccccacca gcaacagccg aaccatcctt tcaatatccc aaaaccgaac 240
 cgggctcgac ctgaacatca cagacctgca ccgcagtcaa ggtcatacaa tgctcctcac 300
 cctggtataa gccatcaggg tcacagacca actgggtggct cgagtagcct tgtagcatcc 360
 acaccgaagc gcagcgagcc gttcgatcct ttcaagcctg ttcgaccttc ggcgtataac 420
 aactaccgaa actcccgtcc ggtcaacaac gatgttggtg agattcgccg tccggagaat 480
 gtcaccttca ccacgccgcg agtccgaag actttctatg catcttcagc cataaaaatg 540
 gacaaagcat ccaaaaatct cagcaacttc gttgatctta cccgcgaagg aggggtcaca 600
 cccagcacta ggctctgcaa tgccgggttc gggtaaatgg acgccaacgg ctatgttgat 660
 cctgtcaaag ccaacgaaaa cataaaagct ctgcttgaag gggcttttac aagtgcagat 720
 gacaaacaag gatcaagggc aaagaaccgg aagaagagta agaaccggag gaagaagaag 780
 aaggaggcca aggaaaaaaa gaagcagggc acttctgaaa ttgacgacct agcctctcag 840
 cttgaagaag tcacagtcaa cgagtcaagc gctgctactg agaaaagtga actggacgag 900
 ctgaaggcag aaggcaatgt tggggaaacc aaggatgacg agaagtcac tgaagatgaa 960
 gtcgaagacg atgagaatga ctatgaagaa gatgatgagg aagtagaaga gggggaagac 1020

gaggaagaag	atgatgggac	agtcgaaggc	ttgaaagtca	agctactccc	tcaccaaagg	1080
gaaggagtga	attggatgtg	tgacaaagag	agaggctcag	gtaacgcca	aggagtgtt	1140
cctaaggggc	actcgtcttc	accaagagcc	ggaaggaccg	cgcaagcggt	accgccgcac	1200

<210> 6934
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 6934	
gcacaggcgg	tattgctgtg
caatgtgtga	ctgaggggtc
gccaacctg	tttctaata
ggtagtttg	ttgcagttga
cctaagtatt	ag

<210> 6935
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 6935	
gctcaattca	ggaaagagac
tacgcgtttc	cagaagacga
gataaccctt	cgaatgctga
gacagcctgt	cctcgtttgc
aaccacttcc	aagacggggg
cctgctggtc	aggggtgaac
gaaactgtca	ttcgagggct

<210> 6936
 <211> 804
 <212> DNA
 <213> A.fumigatus

<400> 6936	
gttgaatata	cactgtcgaa
aacttccagg	tgatgtacca
ctgaagagag	ctataccgct
tatcttgtgc	aaatgccaga
catcactctt	ttccccgctc
ttgcacaagc	gttcagcaac
cgattgaaca	gcacagttgg
gccgggggat	actttgaaaa
cgtaaatgtg	agttgtccgt
ctcgatgggg	aaaagggtcg
tcactatca	tggttcaggc
tacaaggacg	caagaaacgt
atgtggttgt	ttggttttcg
ctgcacatgg	ttactgatgt

<210> 6937
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 6937

tctatagtac	ctattttatat	tatagatatt	cttagaaata	tttatatagg	tactagttat	60
agttatat	cctatagtac	agccctagta	gcctttttcc	taataccttt	cttaacttat	120
agtagtattt	attcatctat	tattgacact	tctaataata	tactgcgtag	atcttatagt	180
gtattatata	ttattttctat	aacttag				207

<210> 6938

<211> 279

<212> DNA

<213> A.fumigatus

<400> 6938

ctcaatcagg	cctttgagaa	gctggaccag	gagaagaaca	acaccccaga	aaaggcctcg	60
ccttctcatg	gagccactgt	gaaggaggca	acccaacgt	cgcagcccat	cccacaggc	120
actcgcacca	cgggtgcagac	ccccgcctct	gccagcagct	ctaccgctgc	tgctccgaag	180
aaaaagcaga	gcagcactaa	catgctctcg	cacattccca	tcattggcgg	tgtgctggga	240
ggtggtgagg	gtctgggaag	ccttctgcc	agtcggtag			279

<210> 6939

<211> 306

<212> DNA

<213> A.fumigatus

<400> 6939

tcagaatacc	accacttctc	atccaaaatg	gctcgtttca	acttgtcttt	ccttgccttc	60
tgcttcttcc	tggcccttgt	ggtctcggcg	ttgcccgcca	agcctggcga	cgatgacttg	120
gatgctggtg	atgccgttgc	agcagctctc	agcgtctctc	aggttcgtat	ttctgctcct	180
aacatcattc	tctgcaagct	gttcaagtca	gacgcacaaa	ctaactcaat	caggcctttg	240
agaagctgga	ccaggagaag	aacaacaccc	cagaaaaggc	ctcgccttct	catggagcca	300
ctgtga						306

<210> 6940

<211> 183

<212> DNA

<213> A.fumigatus

<400> 6940

gacacgggaa	cgagctcaca	agaagagtat	acgccccgca	gtagactgca	gaaatggttc	60
tacgagacta	cgcagaatgg	tatggtcggg	tatgcatata	tctccacatg	tgagcctgcg	120
tatttcggag	cgactggatc	aatctgcggg	caacctaagc	aggatgaaga	caagaaaggg	180
tga						183

<210> 6941

<211> 795

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (167)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6941

agtcactata	gatgtgtgct	tgtgaatcaa	ctattctcct	tgaagagtct	accctggatc	60
gccttctcaa	acaagctagg	atacttgagt	gaaggaaagg	ataccgatgg	aatactgtcc	120
atattgcaaa	gcaaattcat	gtttgcttgc	tatatttcca	cgactcntat	agtgggttgg	180

ctggtcaatt	ttgtggctgg	gttcatagga	ccacgcttag	attccatttt	cccaaaagct	240
gcacaggaac	tgcagtcgcg	ccgtcacaaac	gaaaaagcct	cacaccggga	tttccttgct	300
cactttatgg	atgcctctca	aaagaacccg	gagactctcg	aggagagagg	agttctggga	360
gcaaccatat	caactatctt	cgctggcact	gacacgactg	gtacaagcct	aactttcttc	420
atgtactatc	tcatcaaaca	tccagccgcc	cttgacagtt	tacgggaaga	gctggactcg	480
gccgtccgct	ctggcaacct	cagctatcca	cccaaatggg	cagagggtgc	cacccttaaa	540
tatcttcagg	cggatttcaa	ggaaacccta	agattacaca	gcactgcacg	catgtctctg	600
taccgtgttg	tgggccccga	ggggctggac	ttgtgtggtg	agcgtcttcc	ttctgggacc	660
aatctcggat	gctttgggta	tacagcacac	cgcaatgaac	ccatctacgg	acgtgatgcg	720
gcgctgttcc	gaccagaaag	atggattgag	gcatcgaatg	atgcactgct	ttccatggaa	780
cgggcgagcc	tttga					795

<210> 6942

<211> 240

<212> DNA

<213> A.fumigatus

<400> 6942

gtgttgaatg	agaatactga	gccggcaaca	gctgcacgat	ggaactttat	caacttccag	60
accccgctcat	actctgctgt	gatgatggaa	tacaccacac	cgccatcgta	cggctcgacg	120
gtcgtcaatg	ttcgtggcat	cgtgaaagac	gatgagatta	tctatgccgg	cgcaacgaac	180
tccgctaccc	acaccgcgtc	ggggccatgac	gccgacagcc	actggcctgc	tccgacttcc	240

<210> 6943

<211> 261

<212> DNA

<213> A.fumigatus

<400> 6943

tgtatagtgt	cgaccgtact	gattgaccat	gctttaatta	gccttgcaag	tgttgccgggc	60
actcaggagc	ccatctatgg	ccccgaggcc	attcagttctg	tgcaccaaca	agctcagcag	120
accccttata	ccgagttgac	caaggacgac	ctgcggtggc	gtgcctatca	gtataccaat	180
gttgagactg	agaccttcta	cgtgatggcc	gacaatggca	ctgtggtgat	ggtgcaggtc	240
atctactcca	acatcgcggtg	a				261

<210> 6944

<211> 468

<212> DNA

<213> A.fumigatus

<400> 6944

cacttgtgta	gaggaatcca	cactactgcg	caattcaact	caaagatctt	taacctcaaa	60
ggcgatcaac	ctcacatctg	gcactccgac	cccctgtaca	acttcatggt	cgatgagaac	120
atgctctcct	ttggagctga	caacctcgcc	ttgacactga	acgaggaggg	aactgcgtac	180
accatcaaat	ccgccgtcaa	cgaggacagc	ctggtgaatc	tgacgttcac	ccgcaccgcc	240
cccggttttg	tcgtaggaaa	ggacggtaca	tcttacttcg	ggaccgaccc	cgcgaacccc	300
tgggggtcta	tgatgcatgc	cttctggcct	cggtgccgtg	ttgagggcac	catcacgacg	360
aaagagaaga	cctatgacct	cactggctcg	ggaatgttca	ttcatgctat	ccagggcatg	420
aagccccatc	acgctggtgg	gtttccttca	ccgagtatta	agtgttga		468

<210> 6945

<211> 279

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (59), (194), (197), (227)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6945

gagttcaatg	ccagaaccgc	gcacatcaac	cccggagtcc	ccattcccgc	acgagtcanc	60
gttcgtcctg	accgatcctt	tactttcgat	attcgaaccc	ccacgacgac	atatctcctc	120
ctgcaggctg	cgaacgtgga	gcctcgcaag	aaccgcatcc	gggggagcca	tgagaacagg	180
ccacgagatc	atcngcnaaa	gtgtcccctg	aagcatgttg	taccaanac	cccccaagac	240
cagccgttcc	gagaacgaga	ttatcggggg	gttgagttt			279

<210> 6946

<211> 537

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (385), (520), (523)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6946

atccgaacaa	aactcggggc	gcaaatagtt	ggcagatcac	ttcatttgtg	tatacagaca	60
taccatattt	tcgtctcttt	gcagacacac	cttacaatgg	cgaagaaggc	attggccaaa	120
gatcagattg	ttaagctcat	tgtcggagct	ggacaggcca	gtcccagtcc	cccagtcggg	180
ccagccctgg	gtagcaaggg	tgtcaagagt	atggatttct	gcaaggtagc	ctcctctctt	240
caacatctgt	tttctgcttt	aagacggatc	tggaccgaaa	ggttgagctc	gataatcttg	300
ctaaaccatt	acgcgcccc	atataggagt	tcaatgccag	aaccgcgcac	atcaaccccg	360
gagtcgccat	tcccgcacga	gtcancgttc	gtcctgaccg	atcctttact	ttcgatattc	420
gaacccccac	gacgacatat	ctcctcctgc	aggctgcgaa	cgtggagcct	cgcaagaacc	480
gcatccgggg	gagccatgag	aacaggccac	gagatcatcn	gcnaaagtgt	cccctga	537

<210> 6947

<211> 258

<212> DNA

<213> *A.fumigatus*

<400> 6947

cgagttgtct	ttctggtata	tcatatggct	gacgcgattc	aagagtcgcc	gaagagctat	60
ctcagcaagg	aaataccaca	gttcctcgcg	gcctaccgag	ccctccacca	agctgctttg	120
acgatcttca	ttgtcagctt	catcatcttc	ttcgtcctcc	tcctcctcga	agccaccggg	180
aaggctcgaca	acttcttcga	agtgcacaat	gcccagtgta	ggcagatcca	actctgccag	240
caagtcgctc	tcatataa					258

<210> 6948

<211> 195

<212> DNA

<213> *A.fumigatus*

<400> 6948

tggtgttcga	gcctcaccgt	atcttactgc	ttgttcacca	tccactgcct	cagccctcca	60
gctcgtgcta	ttttaactcc	cctgccctct	gatgtcctcc	tttctacact	gaaacacctc	120
tctcatatta	agttctcatt	agaatttcaa	atggaactgt	ccctcccctt	ccccgctgaa	180
gtcactaatg	catga					195

<210> 6949

<211> 216
 <212> DNA
 <213> A.fumigatus

<400> 6949
 actcgatcaa tctctaacca ctatcatctt gttctcctcg tgcattcacgc cgcaatagaa 60
 ggaaatttta ctgggtcattg gaatcgtact tccaaccaca tccaaaccag ctacgttagg 120
 aagcctgcgt catctctaac agagcgcctt cccctacatc aatatatcaa tatgagccta 180
 tcatacacgt atataccgaa aagtgcgacc atgtag 216

<210> 6950
 <211> 204
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (150), (186), (194)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6950
 aggggagggg aaggtttcat gaagatcagt ggcagaagtg cgggtgactt ggctatcaac 60
 acaggcctac ggggtgatgca agcgaaagct actccccgcc atccaagatc atctcaattc 120
 tatctctacc acgaaggccg cactgactgan acgaagagtt ataatagaca tggctggata 180
 ggactngtta ctanggggttc ttga 204

<210> 6951
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 6951
 tttgatcctt ccgcgtgcgc ccgcgagggc cctgcggatt ttgatata caacatggag 60
 acgatctcca ggatttcctc tatgctggaa acaggtaaca ttctctccga cgttatcttc 120
 cgccctccat tactgatcgt tgtctggaac agctcgagaa ctaacatgg aggcagctca 180
 gtcggcagct ttacgagag ggtcgagtac aggctttgtg tcgcgcaatc acagtacttc 240
 tcacactaa 249

<210> 6952
 <211> 789
 <212> DNA
 <213> A.fumigatus

<400> 6952
 ttgatgtatt cgtccgagcc ttcccttccg ttctttctcat atgtcgtcaa gaacgtcgca 60
 aacacgaata tcgaagtga gaaattgggt tacatatacc tggttcatca tgcggagacc 120
 gagccagacc ttgcgcttct gtcaatcaac acgatccaaa aatcgcttac agatcaaaat 180
 cctcaagtgc gagcaatggc tttgcgtaca atgtctggga tcagagtgcg ggtcatcagc 240
 cagatcgtct cgcttgcat caaacgaggt tgtggtgaca tgagcccga tgtccgtaaa 300
 gctgcgcgat tagccatacc taagtgttat cgccttgacc caaatcagct acctcagctg 360
 gtcggctatt tgtctacttt actaggtgac atcagttact ttgttgctgg gcccgctgtg 420
 gccgcatctt tcgagatttg tcccgatcgg attgatctca ttcataagca ctatcggagc 480
 ttggtcaaga agcttgtgga tatggatgaa tggggccagc tagcgacgtt gcgtcttttg 540
 acgttttacg cgcgaaaatg cttcccccg aagactcaga agatgaagag cgcagctctc 600
 agaggattct acgacgacga acaaggtggg gaaactcagg gtgatggcga ggaatacagag 660
 atgcctgtga tagacccga tttggagctt ctattccggt cttgcagggt gcttttacat 720

aaccgcaatt ccgccgttat cgtcagcggt gtcggtgtc ttcaccagcg gggtcgaagg 780
acaagcgta 789

<210> 6953
<211> 966
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (383), (384), (500)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6953
aacgagaaag ggaggggtgga atggtatcgc acgctccacc cgcagagaag aaaaaaaaga 60
atgaaggcat ccgcgaagat agaactgaag aggggggtgtt ttttgctccc atctgaaata 120
tttttgccgg aggcgcagaa aatatcccg ggcacaggg agagagttat tataaggga 180
gttcttttcc ggagggagat tttttattgt ggcattggat atgggggatt cccgacccaa 240
gaaaacaaa agttttttaa gggggagagg gtgtccacac ttgttttttg gacgctcaat 300
tcggggttga aaagaaaagt gtttttgga ggaagtatgc gggagtcac agagagggtg 360
aagatggacg tgatcggttt gtnngaattc gacaccagc gcattatcat gggtaatcgt 420
gacattagtc aagttttggc tgaagaattg ggcattgtatg cagatttttg acctgttccc 480
aacaagcata catggggcgn tgttatactt tcaaagtcc ccatcgtcaa ctcaaccac 540
catcttcttc cctcgcccg cggcgaaact gcacccgta ttcacgcaac tctggatatg 600
tatggtgagc tgggtggacg cgttgccttc cattctggac aggaggaaga ccccgagac 660
cggcgcctac agtcccagta tctggcaaaa ctcattggcg aatcgctcg tccgatgggt 720
ttgctgagtt atctgggtac caaacccctt gaaggcaact acaacacgta tgtcagcgag 780
ctcagtgga tgaaggacat agaccctacc gactgggacc ggtggtgcga atacattctc 840
tacaagagat tgaagcggac aggcctacgc cgaatcagcc gggatagtat tactgatact 900
gaaattcagg tgagtatcta tgataatagt ccatcaggct atgtatatgc tgatctgctc 960
aattag 966

<210> 6954
<211> 351
<212> DNA
<213> A.fumigatus

<400> 6954
aaaatctccc tccggaagaa aacttccctt ataataactc tctccctgtc cgtccgggat 60
atttttctgcg cctccggcaa aaatatttca gatgggagca aaaaacaccc cctcttcagt 120
tctatcttcg cggatgcctt cattcttttt tttcttctct gcgggtggag cgtgcgatac 180
cattccaccc tccctttctc gttctataaa cactctctgt ttctttctgc gccccctttt 240
ctcttctttg cttggcatac gtcaatattc catgtcgccg tccctgctac atctacttat 300
atctctccca tccctatgtc tcatcgtctc tcttctctta cattatacta c 351

<210> 6955
<211> 288
<212> DNA
<213> A.fumigatus

<400> 6955
aggatattat gtcctttttt gtctcagagc aagctctctg tagctaattc aatgataata 60
gcatttctct tctcaacata cctgtcgatt attgacaaaa agacctcact tccggtccga 120
tccgtcttca cgaccagtgg gtttctctgc ctctcgggt tgatcaacat tggttcgacc 180
accgctttca accgaatcct gtcactcgcg gtgcttgcc tgcacatgtc ttatttgatc 240
ccgaccggat tcatgctctg gcgtcggcat tgtcaccagg gcgacgtt 288

<210> 6956

<211> 411

<212> DNA

<213> A.fumigatus

<400> 6956

ttcaaaattg	ccctgttacc	aggtacattt	ggatgggtgg	ccttcacagc	cagtgcacca	60
tttctagccg	caacaatgat	ccagggattg	gtcgtgctta	actatgaaga	atatcaggcc	120
aaaagatggc	atggtacgct	catctatttg	gcacttctgg	ccatatcagc	cgttgttaat	180
atctgggggtg	cccggctgat	atccctgatc	gagaatgcat	cttcactcat	ccatcttgcg	240
gcattttattg	ctgagttcgt	tgtgatttgg	gtctgcgcac	cgacgaagca	ctccgctagt	300
ttcgtcttta	ctcttttccg	gaatgagtca	ggatgggtcta	gcaacggggg	ggcatggtct	360
ataggtagtc	tctcgagctg	ctatgtcttg	gccggtagag	actcctccta	a	411

<210> 6957

<211> 363

<212> DNA

<213> A.fumigatus

<400> 6957

ggctatgatg	gggccattca	cctttccgaa	gaaatgacga	acgctgaggt	ggcggttccg	60
tggtgcatgc	tgggctcgct	agcaatcaat	ggaatgctcg	gcttcgcatt	cctgcttacc	120
gtcttattct	gtatgggaga	cttcgaagcg	gcaactcaaca	ctgccacagg	gttcccgatc	180
atccagatat	tctacaatat	tactggaagt	gccgcgggca	gtgcagcgat	gaccagcatg	240
ctaataatca	tggcgggatt	ggccaccatc	ccattgacag	cgtcaacggc	gcggatgtta	300
tggtctctca	ctcgtgatag	aggtattatg	gtcctttttt	gtctcagagc	aagctctctg	360
tag						363

<210> 6958

<211> 300

<212> DNA

<213> A.fumigatus

<400> 6958

accatcggac	acgacgagta	tggcagcacc	atcgccatcc	attctctcgc	tgtacttccg	60
gaataccagg	gcaagcaagt	cggaagcact	ttgatgaagt	catatatcca	gcgggattagg	120
gaagccgcga	tcgcagagcg	catctccatc	attgcgcatg	accatctggg	gcccttttac	180
cagtcttttg	ggttcgagaa	ccgtgggtccc	agcaagtgtc	agtttgccgg	tggcgggatgg	240
actgacctgg	tgagttcctt	cttgaccgat	tacaagggtg	atggcctcct	cggactgtga	300

<210> 6959

<211> 342

<212> DNA

<213> A.fumigatus

<400> 6959

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cagctcccta	cacagatccg	tgcgggtttc	aagatcagtc	gtattagagg	tatggccgat	120
gccgcgcagt	tttgcgtgga	tttgcgaacg	gataccatgt	ccgttcaatt	tctgcccctc	180
ttaagaagag	cagtgcacct	aaccaaaatt	ctctgtgcaa	caacaggttt	ctacactcgg	240
aagggtcaaat	acaccaggga	aacattctgc	gaaaagttcc	aggcaattct	cgatggattc	300
cccagattgc	aggatattca	tcctttccgt	atgctctttt	ga		342

<210> 6960

<211> 414

<212> DNA

<213> A.fumigatus

<400> 6960

catccctcag	acaaggattt	gatgaacacc	ctttatgacg	ccgaccactt	cagaatcgct	60
ctcggccagg	tgtcgaccgc	caagcatctc	atcgaaaccg	tgtctcgcg	ctatgtccgt	120
ctcatcaagt	atgctcagtc	tctgtttcag	tgcaagcagc	tcaagcgtgc	cgccttgggt	180
cgtatggcca	ccatttgcag	acgtctgaag	gatccccctt	tctatctgga	gcaggttcgg	240
cagcatctgg	gccgtctccc	ctccattgac	cccaacaccc	gtactcttct	gatctgtgga	300
tacccaatg	tccgaaagtc	cagcttcttg	cgcagcatca	cccgtgccga	tgttgatgtc	360
cagccttatg	ctttcaccac	gaagagtttg	ttcgtcggcc	atttcgagtc	ttaa	414

<210> 6961

<211> 789

<212> DNA

<213> A.fumigatus

<400> 6961

cttctcggac	atggactcaa	ctccaaccaa	tttcatgtcc	gctgtgcgga	cgtctgcgta	60
agaatgtttt	ctgccitttt	ggtttctgga	cggtaactcat	ttgatcatag	tctctacttc	120
atatacattg	gtgtcatccg	tctcctggcg	acctacctct	atgccgtctt	ctttacctac	180
gtcgcatacc	atctaaccgg	caatatccga	cggaaactacc	tacgtgctgc	attcagtcag	240
gaaatcagct	attacgatca	gggcaccagc	ggctctatat	ctcagcaagc	aaccacaaac	300
ggcaacctta	tccaatctgg	cattgccgag	aaacttggtg	ttgtcatcca	agccgtctcc	360
accttttgtg	cggcttttgt	gatcgcgttc	gtcacacaat	ggaagctgac	attaatcctg	420
attttttatg	tgccgactct	gcttatagtg	cttggaaacag	ctgggtggaat	tgacgccatg	480
attgagacca	agatcttgca	gatccatgcc	caagccggga	gctatgctga	gagtgtcctc	540
gggggctgcc	ggacagttca	ggccttttag	cttcgaccca	gagtgatagc	caaatttgac	600
tcttacctac	aggaggcata	ctcccagggg	atgagaaaaga	ataaattgta	cggtatcgtg	660
tttgaggggc	agtacttcgt	tgtccacgct	ggcatggggc	ttgccttctg	gcagggcatc	720
gccatgctcg	accgtggtga	gattcccgat	ttacgaacag	tctttgtgtc	agtatcacat	780
actcgagag						789

<210> 6962

<211> 228

<212> DNA

<213> A.fumigatus

<400> 6962

tggctgatga	gcagggacga	cctctcgcag	agagttttca	cctttggcga	tactaaactc	60
tatcttctcg	aatgcattgc	cttcatagcg	gctattgcat	ctggtacagc	tctcgccatg	120
gtcaacctgg	tcatgggaca	gttcttgaca	ctgctgagcg	attttagctt	ctcggacatg	180
gactcaactc	caaccaattt	catgtccgct	gtgcggacgt	ctgcgtaa		228

<210> 6963

<211> 525

<212> DNA

<213> A.fumigatus

<400> 6963

agttcatcat	ccgatgtttt	gaattatatt	atcccagagtc	ggtgggtgtt	ttacttatcc	60
acaatgcccc	ccgtattttt	gcaggtgtgt	ttgccctatt	cgtgtcctct	gtcgtcact	120
actaactgta	cggatgcagg	aatatggaag	attatcaagg	ggtggattaa	cccagacatg	180
gtgacaaaaa	tccacttcac	caagtcggtg	gcagatctcg	cacagttcat	tcatcccagt	240
cagattgtga	gcgagctcgg	aggtgacgag	gactgggagt	atgaatattc	tcagcctgaa	300
atggatgaga	acggattgat	ggaggacgac	gaagctcgga	ataccttgct	gagtgagcga	360

cagcagatca	gcgaggaatt	tctttccctt	acgtcccagt	ggatcgaggc	gacaagacac	420
aactatcctg	aggagggtgc	gatgggttcag	tcgcgccgtt	tcaacgttat	ggaaaaaactt	480
cgcgtaaatt	actggaaact	ggaacctttt	gtccgagccc	ggtaa		525

<210> 6964
 <211> 870
 <212> DNA
 <213> A.fumigatus

<400> 6964						
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aatgccgcct	cttttaacga	cctcgaaat	ctcttcgggg	tcaacagcgt	cgaaaggaat	180
aatcaattt	ccatttcgtc	gtttgcgcgc	cgaaactcgc	tgctgaccg	gacggattcc	240
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accctgagca	atatcggaat	gaccgcattc	gagatccgct	ctgtagcaaa	gtccttgacc	360
tacctgagtc	cagacgatgt	ccgctggggc	atactaccg	cgagcaaa	ggaatatccg	420
gatcgctgga	tgcttcgata	cctgcgttcc	tgcaagtggg	atgtcaacaa	ggctttcatt	480
ctgattctga	acgcgttgca	gtggcgaaatc	aaggacatgc	atgtggatga	ccgtctactg	540
ccagagggtg	agctcgggtgc	gattcaccag	tcacaggcac	ccttgaatgc	tgccgaagcg	600
caacaatcac	ggggctttct	cagtcagtta	caaattggga	aatgttatgt	gcatggagtc	660
gaccgactga	atcgccatt	gtgtgtgata	cgggtgcggc	tgcatcgacc	cgaggatcaa	720
tcggaagagg	cgatgaaccg	atacatcaca	catattatgg	agtcgggtccg	gcttctcatt	780
gcacccctg	tagagacagc	agtatgtact	cctcgcaggc	ggagaagggtg	gatcgcgtta	840
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<210> 6965
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 6965						
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cgatgttttg	aattatatta	tcccgagtcg	ttgggtgttt	tacttatcca	caatgcccc	180
cgtatttttg	cagggtgtgt	tgccctattc	gtgtccctctg	tcgctcacta	ctaa	234

<210> 6966
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 6966						
tactcaagta	ctgctgcccc	ctccacaata	atatttatta	agaaactcca	aaacctgagc	60
tgcatgtgca	atacatcac	ttctttccgt	gatttactag	gtcagactgt	caatccctta	120
tggggccaatc	tcaatctaca	aattcccagg	ataatgcaca	ttccactgaa	cctttgtcca	180
aaggggaggaa	agaagattat	tatgaactcc	tggggatag			219

<210> 6967
 <211> 762
 <212> DNA
 <213> A.fumigatus

<400> 6967						
cattattctc	ttcgaatctc	attaagaata	aggaaagcat	acaaaagaaa	agctctcgag	60
ctgcacccag	ataaaaaacta	tggaaatgtc	gaagctgcaa	cgaaaatgtt	cgcagaaatc	120

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caaactgcat atcaagttct ttcagatcct caggagcgct catgggtatga tactcacaaa 180
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atgacaacct ctggtgacat tttaaaactg ttctccaagt tcagtcctcg aatggaattc 300
tcagattctc catctggatt cttcggcggc cttcgagaga tatttgcccg gcttgctctc 360
gaggaagaaa tggcatgtcg cgcagacatg ttggagtttg ttggctaccc aacctttggg 420
tcacaatgtg acacttttga agacgtcgta cgccttctct atagtgtctg gagtagcttt 480
tcaaccaaga aatctttcgc ctggaaagat atttaccggg attccgatgc tccagatcgt 540
cgcgtgcgca gattgatgga gaaagaaaat aagcgggttg gagaggaagg tatccgcgaa 600
ttcaacgaag ctgtcagatc gcttgtagcc tttgttaaaa agaaggacct gcgctataag 660
agaggcacc aaagcgaagc gcagcgccgg ggagctcctc cgtccaactg ccgctgcaca 720
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<210> 6968

<211> 459

<212> DNA

<213> A.fumigatus

<400> 6968

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cagactggta tgcgtgggtc cttcggtaag cccagggta ccgttgcccg tgtgaacatc 180
ggccagatca tcctgtccgt ccgcaccgt gactccaacc gcgcgcgcgc catcgaggct 240
ctgcgcgtg ccattgtaca gttccccggc cgccaaaaga tcatcgtctc caagaactgg 300
ggcttcaccc ccgtccgtcg cgaggactac atccagctcc gcaacgaggg caagctcaag 360
caggatgggt cctacgttca gttcctgcgt ggccacgggt tgatcgagga gaacatgaag 420
cgcttcctta gcgcctacga gaacctgtct caggcttag 459

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<210> 6969

<211> 267

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29), (56), (69), (70), (75), (89), (92), (109), (135), (143), (206), (264)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6969

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cccctaccct taagtcccg gttcaacng ttttttccc cgacccccaa aatccttat 60
gtaaaattnn gaaanttaag aaggccagnt tngatgactt cccttttng cgtgaacatg 120
gtttccaagg agtangagca gtnttcttcc gaggccttg aagccgcttg tatctgtgcc 180
aacaagtacg ttgatccgcc atccgntccg caccgcagc cgcagcagca gcagcagcat 240
caccacacca ccatttcagt ccantaa 267

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<210> 6970

<211> 528

<212> DNA

<213> A.fumigatus

<400> 6970

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ctogatcaga ccgtggccac gcaggaactg aacgtaggca ccatcctgct tgagcttgcc 180
ctcgttgccg agctggatgt agtcctcgcg acggacgggg gtgaagcccc agttcttgga 240
gacgatgata ttttggcggc cggggaactt gtacatggca cggcgagag cctcgatggc 300
ggcggcgccg ttggagtcac ggggtgcccac ggacaggatg atctggccga tgttcacacg 360

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ggcaacggta	ccctggggct	taccgaaggc	accacgcata	ccagtctgga	gacgatcggc	420
tccggcgag	gacaacatct	tgttgatacg	gatgacgtgg	aaggggtgca	cacgcacacg	480
caggtgga	ccttccttac	cggtgatctt	gacgaagtac	ctatttga		528

<210> 6971

<211> 540

<212> DNA

<213> A.fumigatus

<400> 6971

tacaccctat	gtccaccaat	ggcacactgc	tccgtcagtg	gccttacata	tcggccatcg	60
aaaatcgacg	gccttacagt	gggtcccaga	gggacttacc	atcccataca	aaaatgtatg	120
gttaaagaag	tatcggccta	cggccatcaa	aacacagaag	gaatcatagg	ggacggctgc	180
caagccggca	gcctatgtgt	tttgaataac	ctcaccaacc	aactattcat	caacgcctcc	240
cattcggtcg	tctaccaa	tatatccaaa	gaccacacct	tcgtccttc	gtcgttcgg	300
cacagggctt	cgccctgtaa	ccctgaaact	catctataca	cctctacttt	actctacttt	360
acattactac	atactacaaa	ctcactta	taccgccc	ccgcaa	atatatttct	420
cctaaacaac	taaaaacaac	acaactcaa	aagggtccct	gtagttcact	ttcaccagaa	480
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<210> 6972

<211> 426

<212> DNA

<213> A.fumigatus

<400> 6972

actcattcgc	ggaccttcga	gggctggtg	aagaccattc	tcaccactcg	actgattaca	60
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tcgggtccact	cgaagtcacc	attccagtct	cctccaacat	caaaaaacga	ccctgaacct	180
cagtcgccgc	cttcctccgc	ttcgacttct	gcccacaag	ctccacctca	tcctcctcca	240
tcttatgtcc	accatcccca	ggcactgaaa	tcccattctc	aaagaaattc	ccatccacag	300
gcacatccac	acaaccagac	cccgtataaa	cctcacgcgt	cttcggatgc	accgcccggc	360
ccgacatcag	caacttecta	tccggggccc	caagataagc	aaaagccatc	acctccacac	420
ccataa						426

<210> 6973

<211> 195

<212> DNA

<213> A.fumigatus

<400> 6973

acagacccat	ttaaaacaaa	attaggcaca	aacttcccaa	ccccgatcac	ctgccgagga	60
tttcccacgc	cctgcaactt	caactccttc	ttcatcaccg	ctttcaccat	ctcaacccca	120
ttgcgcgtac	cataacttgc	ccgtttacca	cccataccct	tcttacctcc	cgttccccaa	180
cgacgtcgac	cgtaa					195

<210> 6974

<211> 264

<212> DNA

<213> A.fumigatus

<400> 6974

actgcacatg	ctaagttaag	ttacttagga	cattataaaa	acaagaccta	tagtcaaaac	60
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gattctgggc	agcctctgcg	aataatgac	atcaccttgc	ttaaagctca	tggacataac	180
tactcactag	taagtacaag	tgcgtctcca	attctccagg	ttaggactat	gcacgagaga	240

actcctatgc agatactagt atag

264

<210> 6975

<211> 2256

<212> DNA

<213> A.fumigatus

<400> 6975

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atcgacttga taggcatgga cgacactttc ctgcgcctcg ggggggattc actccaagcc 180
attcgctcgt ttgcagcggc cagggcgggc gggcttatac tacacgcaa ggatatcctt 240
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tgtactgcac tgcaggaggg catgttcata acgtctttaa aacacccagg catgtatacc 480
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ccggaatttc ctttcaactt ggagacctgg ggcggaaccc cggaagacct cgcatattat 2160
atctttacgt ccggtagtag cggtcatccc aaaggcattg agatgcccc a tcgtcttcac 2220
acacgggcct ggaagagccc gcgaatgcgt ataaaa 2256

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<210> 6976

<211> 570

<212> DNA

<213> A.fumigatus

<400> 6976

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ctgggttgagc ttctagctta ccagtttgcg tccccggtgc gatggatcga aactcaggat 120
gtcattcttg cagaaaagcg aacagaacgg attgtggaaa tcggtccgcg cgatacattg 180

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gggggaatgg	caaggaggac	gctcgcgctcc	aagtatgaag	cgtatgacgc	tgccacttgc	240
gtgcagcggc	aaattctctg	ctacaacaaa	gatgcgaagg	aaatctacta	cgacgtggat	300
cctgtcgaag	aagaagcaga	ggctccagct	gcctcgctcg	cagctcctac	tgccccagtt	360
gcagctgcag	ctccagctcc	taccgcagtt	acccctgctc	ccagcgcccg	accagcggca	420
gcagtcgatg	atattccggg	cactgcggta	gatgtgctcc	ggacactagt	cgacacaaaag	480
ttgaagaagg	gcttatccga	cgttcctctc	agcaaagcca	tcaaagacct	ggttggaggt	540
acgttacaat	ccctcgttcg	aaactcgtga				570

<210> 6977

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6977

cagatcttgt	cgatcatccg	tcataaatgt	atccacggct	gcctctgggg	caacattgat	60
tacagtatga	agactcggta	tactgatgtc	aagtgcgggg	tcaggttgag	cgacatcgcc	120
ggtggcattt	atctcgaaat	cgtagctgtt	tcttgcggaa	tcctctgcac	tgacggactt	180
gccatgtag						189

<210> 6978

<211> 189

<212> DNA

<213> A.fumigatus

<400> 6978

gtcgtccaga	tgcttacgga	ctttagaggc	aaggcttggt	ttgctccttt	cccacttcag	60
gttttctaact	tgtcaaccag	gccatttgac	cagccatcgc	tccacttctt	taacctcggt	120
acattaaaca	acactagcaa	ggtgaatact	ctcttgcgca	tgctttttacg	cccgccatcc	180
ttttggtaa						189

<210> 6979

<211> 1053

<212> DNA

<213> A.fumigatus

<400> 6979

acaaactacc	gtaccgacac	ccagctcgtg	acgtttgaca	tcatgagtgc	gctggcggtt	60
gggcgcaact	tcaaagccat	ctcccgcggt	agctcgtcaa	tcatgaaatg	ggccgggctg	120
atcatggaga	tggtggagtc	gcccgcgctc	ctgggcctac	tgctcgtcct	gccattctcg	180
cttatcatgc	ggccgtggaa	aattatgtat	cgcgagctgg	cgccgttcag	cagcgacgct	240
gtcgagatgc	gcaagcagtt	gctggctgag	gactccacgg	acaagccctt	ggacctgctg	300
caagcgttta	tcgatgcgga	ggaaccggag	tccaaaatca	agatgagccc	gcatgaggtg	360
caggctgaga	gtattatgat	gatgctggca	gggagtgaga	ccacctcatc	tgccatcatg	420
tggacattcc	acctgctgct	gctctaccca	gagactctca	ggcgcgctgt	ccatgaggtg	480
cgcagcgcc	tttccttaaa	ccatttggtg	acgtacaagg	acgtgcgcag	cagcttgccg	540
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ccgcgaatct	ccattctac	gggcacacc	ctgcagggat	attacattcc	gccagggaca	660
gaaatctacg	tcaatctacg	ctcgccaagc	atgcaccta	gtctttggga	tgatccagcg	720
cggttcaacc	cggatcgggt	tctcgatagc	gacaacaaca	agcggttgct	ctttaccttc	780
tcctatggtc	cgcggaactg	ccttgggcgt	aatctcgct	gggtggaaat	gctcaccatt	840
gtcgccaatg	tcctcaagga	ctacgacatt	gcgctaaccg	aagatagcct	atttgggccc	900
cattgtacag	atgagaatgg	gctgccgggt	ctcatgcccg	ccaagtgtct	cattgcgtcc	960
ttcccggcca	agccggagag	ggactgtcga	atgggtgatta	ccaaaaggat	ggcggggcgt	1020
aaagcatgcg	caagagagta	ttcaccttgc	tag			1053

<210> 6980

<211> 627
 <212> DNA
 <213> A.fumigatus

<400> 6980
 aaagacgagt ttggttaatac agagtatttg cagtcttgcc atggtacaga ttgttcagtg 60
 tataaagtc tgcataaag gccacattg gtagtcacag agctcttgcc tttactatg 120
 gcgacagaca gcagcatgcc tgggacagtc attggcaagg ccgaattctc cgacaccaa 180
 gccgccagcg aatttggtac cgatctatcg cgatggcggc tcaacgtcga caacggccgg 240
 cacatgtggg aatatctaga gtccgaggac gaagccagaa aacgaccgca aagtttcctg 300
 gaaaagtact ggctcgggtc accgtatgag ctccccgcgc ggccctcgcg tacctgcgcc 360
 cttagaggccg tggaaaacgg atgggaattc ttcaaacgcc tgcagacagc cgatggacac 420
 tggggatgca acgatgacgg cccctgttc gtcaccagcg ggatgggtcat tgcgaggtac 480
 atcgtgggaa tcccgataga ctcccacatg aaacaggaga tgtgccggta cttactcaat 540
 gtggtcaacg aggacggcgg atgggggtctc ttcattccagt ccccgctcac cgtcttcacc 600
 gaccgaggct ggaagaaaac gcgctgg 627

<210> 6981
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 6981
 ccgaagggtc agatggctag gactcaaaag aacaaggcga cagcgtttca cttgggtatg 60
 tgcaggacaa agataaaaat tcatgtatct tgggagagga taactgacgg ttgtgaaggt 120
 caactcaaag cgaagcttgc aaagttaaaa cgagagcttt tgaccccatc cggcggtggc 180
 ggcggaggtg gtgtaagtg gaaagggtgtc gcgattgtct tttataggag gctaacaagg 240
 aggttcagtt ggtttcgatg tcgctcgtag cgggtgttgcc agtgtgtatg tatcgactga 300

<210> 6982
 <211> 204
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (64), (153)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6982
 acgtcaacaa gccgctgctc gacaaaaaga ttatcgagaa cgaattggaa ggggtgtggta 60
 tcanaatcaa caaacaaccc gcccaacttt gttttcaaaa aaaaagacag aggtgggtatt 120
 gccatcacta ccaccgtccc cctaacacat atngaccatg atgtatgtgc tcctgatgtg 180
 tggctctctc aggctcgaag ctga 204

<210> 6983
 <211> 378
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (281), (370)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6983

ccacgtagag	ctgaacggaa	actgaccttc	ggattcgcag	ccgccgcata	cgagttcaca	60
accttgacaa	cogttcccgg	ccagggtgctg	tacaacggtg	cgaaaattca	gattctcgat	120
ctccccggta	tcattcaggg	tgccaaagat	ggtaaaggte	gtggtcgtca	ggatcatcgca	180
gtggccaaga	cttgccatct	catttttcatt	gtcctagacg	tcaacaagcc	gctgctcgac	240
aaaaagatta	tcgagaacga	attggaaggg	tgtggtatca	naatcaacaa	acaacccgcc	300
caactttgtt	ttcaaaaaaa	aagacagagg	tggtattgcc	atcactacca	ccgtccccct	360
aacacatatn	gaccatga					378

<210> 6984

<211> 273

<212> DNA

<213> A.fumigatus

<400> 6984

agcaatccca	tttctactct	atcagaggag	aacgggtgcta	gttcaggctct	gcatttcggc	60
tgcacgcgtt	tctgcccgt	gttctgtgat	attgagctag	ttgctcagca	cgcacaagat	120
gcctctgtgt	ctatttcctg	catgggacgt	gaatcgagta	tgctaccag	gatatccata	180
ttagccttac	atctaggttt	actcattaat	aaattatgtg	gtgacttgca	tacagcagag	240
ttttcaccgc	cgggcccgaa	ggtcaagcgt	aag			273

<210> 6985

<211> 270

<212> DNA

<213> A.fumigatus

<400> 6985

tctggtaggt	cgcaggctga	tcccctcggt	actataaact	tcagcggcgc	tgtgatgata	60
tggccgtacc	tgcatgtagc	cgagaccaat	gcccataatgt	accgcgccat	actgagtcag	120
ggttcgcatt	ctaataatgt	actctggcag	ctaataattgg	tctggagccc	tggtagaggg	180
agtgcataac	atgatcatgc	caatgcacat	tgtgtcatga	aggtatcatt	agctaccgca	240
ctacaccctc	gctcggggcg	aaattgctga				270

<210> 6986

<211> 315

<212> DNA

<213> A.fumigatus

<400> 6986

aggatcctca	caacaatgcc	atatctcgac	tccacaacat	cattaccacc	ttcacaagc	60
aaataccctg	ataatgcgtt	cgagaatctc	gtcctagacc	tcagcgcagc	gttgggtccg	120
agctcaggcc	tggtattctga	cgatgtcaat	cccctcgaca	tccagcgcct	gatggagcaa	180
tatgtctcca	atccggagga	atggcgccct	tttgccctgg	gcgataacag	caggggatac	240
acaaggaatc	ttattgatca	agggaatgg	aaaagtaatc	tggtaggctc	caggctcgatc	300
ccctcggtac	tataa					315

<210> 6987

<211> 219

<212> DNA

<213> A.fumigatus

<400> 6987

gtcctcaaag	gctctctgca	agagactcta	tatacatggc	cagatcaaga	taaactccga	60
aacgggcagc	cctcatcgcc	gcaaatcatc	aagaaaacca	cctacaccga	gaaccaggta	120
acctatatgt	ctgacaaagt	ctgtaaattc	ccgcctagg	acttcaactca	ggcgatgat	180
aattcgaaac	tgacgatttg	ccaagctggg	cctccataa			219

<210> 6988
 <211> 747
 <212> DNA
 <213> *A.fumigatus*

<400> 6988
 tgcgcacatg ctatcttaac cagagcactt gatttcccag aacaagaaga ctgcattttc 60
 gccaaaatga accaaatttc aaagtaccta taccatatag ttctaacaat ctctcatctc 120
 accaaaaatc ccaacaacct cgttgaaaaa gtgcgcgttc ttgggagcta tacaactctg 180
 ccagcggcca aagtcgcggc acacagctgc ctgttcgacg ccggctacga gcgagagtgc 240
 ttactaagt acgaagtoga ttogactgat ttcgaaaaac aagatcttgt tcagcgcctc 300
 ggcctggcag tgcttgctgt agcgcgagat gggactacat ttcggtgctg gattgacacg 360
 accccaata acatgcgcct tacgacagag cttgaggatg gtagaatatc aatcccgttg 420
 tactatgtaa ttcagactac tgtcgtgtat aacgggcaaa aggaggcaac caatgtccga 480
 gacctgaaca ttgagggggac gttcaaaaaca tatgatgaag ctcggtcttt tgcaaagcag 540
 gttctactgt ccacggagga caatgtcacc aaagacagtt tcgcggagta tgatgaggcc 600
 gcacctgatg agaaagattg cggatatgga gaaaacgtga ttgtgcatgc ggctagtaat 660
 tatggggaaa atttcttgat tagtgtcatt cagactcaag aactgaaaaa tgttgcttta 720
 acagaggcag cgatgagaat tgcttga 747

<210> 6989
 <211> 234
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (196)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6989
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 gaggacggaa gcggacagta tccactgtgt gagacagatt actttcggcg attggacctc 120
 ctctgccacg aatgtggcgg cgctttgcgt ggttccata tcaccgcctt agaccacaag 180
 tatcacatcg aacatntcac ttgctccgtt tgcccagacg tttttggcgc ccaa 234

<210> 6990
 <211> 750
 <212> DNA
 <213> *A.fumigatus*

<400> 6990
 cggatatttc ttgacgtact tttgaagagc agccgtcagg gattacagaa aagagtgtctc 60
 cttgcggata tgccctcccg cgatgtccca ctgccggata gcctagtgcc gggcaacggg 120
 gctgtccgtc cgactttaaa taccagtggg cagggcggta gttttcagaa acaaactccc 180
 acttcgccgg ccgatagcaa taggactttc gactcaccgc gtgcaagatc tgggtggcgg 240
 aatgggtctg ctgtcacaag cccggtggat gggatgcaaa atccagacgg tcgcacgggc 300
 cgaagattgg actcgaacaa ccctggccag cgggatccat caactccgcg tgatcgagct 360
 gggtattggg agaagtcagc gcaacgtgac agaccttctc agagcggccg tctgccaca 420
 aaatcccccg gtagttcgcg tatttgcaaa aagtgcggcg agcctctgac gggccaattt 480
 gtacgcgcac ttggcgcaac gtatcatctt gagtgtttca agtgtgaggt tagtttagtc 540
 gtccacctca acgaaacccg ccgtgtcctg tttagctaact gtctctgcaa caggattgcg 600
 ggcaaatgtg ggcattctaag ttctttcctg tcgacgctga ggacggaagc ggacagtatc 660
 cactgtgtga gacagattac tttcggcgat tggacctcct ctgccacgaa tgtggcggcg 720
 ctttgcgtgg ttccatatat accgccttag 750

<210> 6991
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 6991
 aacactcaag atgatacgtt ggcgcaagtg cgcgtacaaa ttggcccgtc agaggctcgc 60
 cgcacttttt gcaaatatgc gaactaccgg gggattttgt gggcagacgg ccgctctgag 120
 aaggctctgtc acgttgcgct gacttctccc aataaccagc tcgatcacgc ggagttgatg 180
 gatcccgtg gccagggttg ttcgagtcca atcttcggcc cgtgcgaccg tctggatttt 240
 gcatcccatc caccgggctt gtga 264

<210> 6992
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 6992
 cccgcttcaa taatagccgc cgcattgaat gtcaccgagc cttcatcgac cgggattggg 60
 ggtgacatgt tctgtctctt ctacgatgca aaatcaaaga aggtccactc actcaacggg 120
 tctggctgat atcccgccaa cgcgacgctt gagaagatta ggaaggatct gaacctcggg 180
 gccaatgaga aggggagcat tccaatgacc agtgtcctat cggtaactac ccccggcgca 240
 actgctggat gggtagacac agtggagaga ttcggcagtg gcaagctgtc tttggaacag 300
 attcttacgc caacaattga actgggagag caagggttcg cgggttcaga attatcttcg 360
 tactttgaag gtttatcctt tttcgatcgt tccagcattt gcagcatatt gtgccattct 420
 taa 423

<210> 6993
 <211> 1017
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (920), (946)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 6993
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 gagatgctca agcttgatcc gaaagccaga gacggtgtta gaagcccacg tcctggtgaa 120
 atcatgaaga atccgacatt ggcgaagacc ttccgaagac ttgctgcaga gggaagaag 180
 gggttttatg aaggggaagt tgcacaggag ctagtcaagg tcatccagga cctgggtggc 240
 tacatgaccc tggacgatct caagtatcat gctgagaccg gaacacagaa cactgaagct 300
 atctcactca aattcactgg ccaagatatt gtcaaaaaac agaccgctgg aacagacggg 360
 gaagaaaacc aaggcgtgga aatatgggag catccgccca acggccaggg cattgttgct 420
 ctcatggccc tggggattct tgaggaactc gagcggacag gaaagattcc tgtctttact 480
 gaggatcagc acaactcgac agagtacctt cacgctgtta tcgaaagtct tcggattgct 540
 ttcgccgatg cctcatggtg ggtcacggat ccagatgtgg aaaaggtacc gtcgaaagag 600
 ctgatctcca gggagtatct ggccgaacgg gcgaagctgt tcaaccggga gaaagcggtg 660
 gacatcatcg atcatggtag tccagctcac aatcactgcy atacagtcta cttcgctgtg 720
 actgatgagg agggcaacgg tatttccttt attaacagta actatgctgg attcggtagt 780
 gggatcattc cgaaagggtg tggcttttacg ctccagaacc gcggtgccaa tttctctctg 840
 gacccaggtc atcctaattgc gttggcttca cgaaagcggc cgtaccacac catcattcct 900
 gcgctgatta ccaactgctn cgatggctct cttcacttct gttacngagt catgggtggg 960
 ttcatgcacc cgccaggcca tgttcaagtt ctttttaaca tgctgcgtt taactaa 1017

<210> 6994
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 6994
 ccagtctata atgcctcgac acccaaaggg ggtgatccga ccaaagttga tgtgaatgca 60
 cagtatgccg gattcgagta tctactacgtt tatatcgtgg cctgcagctt tgttgtctgg 120
 cttatcttgc ctggaatcgg tctactttac agtgggttag cacgccgaa atctgccttg 180
 gctctgcttt tccagtctcg gatggtcctt gcagtgtatg ttccctga 228

<210> 6995
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 6995
 gaccatacta cttcgatgat actgagcatg agtagaacga cgtttcaatg gatgttctgg 60
 gggtactctc ttacttactc cagggacggg ggccattca ttggtactct caagaacttt 120
 ggaatgaggg atgtccttgt tgcaccgtcc cggggttctg cagtacttcc tgaaattgtg 180
 ttttgctgt accagctgct tttctgcgcc tgcacgggta gaggctctgc acacttgcca 240
 caaatgagac ccgtacgctg a 261

<210> 6996
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 6996
 caagcaaggc aggccggtat cgcatacact atctacgaac agcacgatga cgaggcctac 60
 gcccgctcggg caggacaatg gaccatggcc ctgcactctt ccctgccgta tctcgactca 120
 atcctcccct cggacctccg tgcgaaactg aactccacaa cgacgaatcc ttgggccgag 180
 cccgatccta ccattgcggc tgctatcccg tttgtgaatg gtgccactgg cgagctgatg 240
 gcgaagattc cgatgccgag cccgaagcgg gttatccggg ggaagttgcg tgatcttctg 300
 cggacaggag tggaagtga atttgggagg cggttgactg acatccgcgt ggaggatgat 360
 ggggtgattg cggttttcga tggggaggaa gtcagaggga atgtgcttgt gggagcggac 420
 ggaggtaggt attcttga 438

<210> 6997
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 6997
 ccctaccagc cgctagtcta tgacacctct caagtcatga ccaaagggtg ttacacctgc 60
 cgtcgccgcc gcattatctg cgacaatggc ctccccacgt gtcgaaaatg tcgcgatgcg 120
 ggggaaggagt gcctgggata tcgtaaacct cttgtctggg tcaagggtgg tgttgctagt 180
 cgagggaaga tgatgggacg cagctttgat gatgtc 216

<210> 6998
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 6998
 gaagacgagt tttttgaaga tcgactccag gcgaagactg agaagctacg cacgcttatc 60

agagacaatg	aagacagatt	tcaaggcgag	tttctttcct	ttccccttgc	gaccgcaatt	120
ctgactcaat	cgagttctc	caaccttctg	gggacgggat	atcgcaaagg	aaatcttctc	180
ttcactcccg	atggaaactg	cttgctttcc	ccagtaggca	atagggtcac	agttttcgac	240
cttgctccagt	atgttcggtc	tcttacatgc	tatggtatac	tcgtcggatc	ttttgagctg	300
attgaatggc	cctgctga					318

<210> 6999

<211> 600

<212> DNA

<213> A.fumigatus

<400> 6999

aggaacacat	catacacact	tccattctcc	catcgacca	atatcgatcg	tttagatctt	60
tcgccccg	gcaaccttct	gctctccgtt	gacgagaatg	gtcgtgctat	cttgacgaat	120
ttcgttcgca	ggattgtaat	tcaccacttc	tcctttaaag	gtcgagtcac	tgcgctcaaa	180
ttttcgtcaa	cgggtcgtca	tttcgctgtc	ggagtgggaa	gaaggttgca	gatctggcac	240
acaccatcga	ccccgggtac	cgataataac	ggagagatcg	aattcgacc	ctttgttctg	300
caccgagatc	ttgccgcca	ttttgatgtc	attcaggata	ttgagtggtc	cagagactca	360
cgcttctctc	ttaccgcatc	caaagacctc	acagcacgga	tatggagttt	agatccggaa	420
gagggcttcg	aaccaccac	cctggccggc	caccgtcaag	gcgtgaaggc	agcctatttc	480
acagcggatc	aagaatccgt	aagtcgaatc	gaaatatatta	caatttcctt	tgctgacatc	540
gtccaagatc	tacacaatca	gttcggatgg	agctcttttc	aggtgggagt	acgtgactaa	600

<210> 7000

<211> 336

<212> DNA

<213> A.fumigatus

<400> 7000

gtcgaatcga	aatattttaca	atttcccttg	ctgacatcgt	ccaagatcta	cacaatcagt	60
tcggatggag	ctctttttcag	gtgggagtac	gtgactaaga	aagatccgga	tacgatggaa	120
gatattgccg	aagctcgttg	gcggattgtc	aaaaaggatt	acttcatgca	gaacgatgcc	180
aagggttaact	gtgctacttt	ccacgcccc	tcgaatctct	tggttgtagg	tttctccaac	240
ggccttttcg	gcctgtacga	tctgccggac	ttcaaccgga	tccatcaact	gaggtatgaa	300
tcttgctacc	tgattgtgaa	ctgtgaggct	gactag			336

<210> 7001

<211> 675

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (634), (644)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7001

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attctgcttc	tcgatgacga	catctgcctt	aggaagccac	atcgtgagcg	gcggctgctt	120
ctaaagaatg	ttgtaaaagt	aatagatgga	tatgcggaca	tcgcagagca	acatatgttc	180
gaattttccc	accccagcgg	tcgatctcgc	ctcgaacaaa	tattctcgaa	ggccggttacg	240
gaaagatggg	aaggactcgt	cctaaaagggt	tgtgaagatc	cctacgtttc	aatatttcct	300
ggttctgaga	acggctccgg	tggtcgctgg	atcaagctca	agaaggacta	tataccaggg	360
ttgggtgaca	ccgtggacct	gacattaatc	ggcgctagat	atgactctcg	tgatgctgct	420
gcattgaatt	catccacgaa	gatatttttg	acacatTTTT	acatcggctg	tctgggtcaac	480
aaagatgcgg	tcttacagtc	cgagctgag	ccaaggtttc	tcgttatgga	tgtcattgac	540

tgtaactcca	tgagcctgaa	aaatatgcaa	attctcaatc	atctttgggca	gtttggtgcc	600
tgccgtctgg	attcaggcca	tgggttcg	atanattttt	gganagggat	atctctccga	660
cttgaataacc	ctggt					675

<210> 7002

<211> 231

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (141)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7002

ggatgtaaaa	ttacgccaag	accctcttct	cctcgactg	ttgatacgaa	gatcttcccg	60
tcattttgta	tcacgatcgg	ctctgctcct	accaatcaaa	caattgggtgc	attctcacct	120
ctatgccatt	tgactgatta	ntctttcatg	agtatgatct	gttcccactt	caaaagatct	180
gatatcggtta	aaagaatggg	ccacctctcc	tttacttttg	gtgaatactg	a	231

<210> 7003

<211> 981

<212> DNA

<213> A.fumigatus

<400> 7003

ctccacaagg	accatccaac	acgtcaatgg	atcaagccca	agctgactga	agaaaaggcc	60
cccaagctag	tcgctttcga	gttcaccacc	tccacatccc	gaaaaccaca	cagtctcatc	120
ttcatcggcg	gtctgacaga	cggccttttg	accgtgccct	acgtagcacc	cctcgccggc	180
gccctcgaac	caaccgactg	gtccgtcttc	caagcccagc	tctcctcatc	cttcggcggc	240
tgggggtatcg	gcagtcttga	caaggatgtc	gaggagattg	caaaatgcat	tgacttcgtc	300
cgcagcctca	aggcctcctc	cgcctcggga	tcggcatcgg	cgccagggaa	gattgtcatc	360
atggggccatt	cgaccggaag	ccaggacgtg	ttgcactacc	tctatactca	gggagaccgt	420
cctgtagtag	acggtgcgat	cctgcaagcg	ccagtgtccg	atcgtgaagc	catgctcgct	480
gaaatgcgca	agccacgcga	tgtgggtgcc	gaagcaaagg	gctcgtggga	gcagctgggt	540
tcgctggcac	ggcaggctcc	cgtagggtgat	atcattctac	cgtgaatct	cagcagcaag	600
gttggccttgc	cgcctgatcc	tgtcagtgca	cggcggttcc	tgagtctggc	gagccgggat	660
agtccatgaca	ggccggcgga	ggatgatctg	tttagctcag	atctgacgga	tcagcgcttg	720
cgcgagacgt	ttggggccgt	ggcgacgcgg	gggtatttaa	ggccaagct	gctgggtgctg	780
tactcgggga	atgacgagtt	tgcggcacct	tgggtggaca	agaaggcgct	gatggcgcg	840
tggagagagg	cgactgaggg	tctgaagcct	gggacgtggg	atcagaatag	cgggggtcata	900
ccggggggcca	gccacaatgt	caaggaccag	gggcaggctg	atcttactga	gcgcgttact	960
cgtatctga	agagtatcta	g				981

<210> 7004

<211> 531

<212> DNA

<213> A.fumigatus

<400> 7004

agaaaaggga	tagagaggat	caccatgacc	cttctactct	ctctcctttt	tctcttcttt	60
tcttttctact	tctctttctc	ttctggcttt	cttttttttac	ctcttttctg	ccctcttctc	120
tcttctact	cctcttttcc	ttcttctcct	ccttcttccc	ctcttctttt	ctcttttctc	180
ttttctctct	ttatcttctc	cctctctttt	cttcttcttc	tctcctttcc	ccttcttccc	240
tctcttctctg	tcttttctct	ccttttctct	tcttttctta	tttttcccct	ccttcttctc	300
tcttttcttc	tttttcttct	cgtcttcttc	ctctctcttc	cgtcttctct	cctcttctct	360

catttcttgc	tcttcgttgc	ttatctctct	tcttctctcc	tccttctgtc	ttcttctata	420
tctcctttct	ttcttctgt	ttccttgcct	tctctctctc	ttcgctctcc	ttcttttgtt	480
ttactttctt	tctatcttcc	ttctctgttt	tcgtttctct	ctctctctct	t	531

<210> 7005

<211> 504

<212> DNA

<213> A.fumigatus

<400> 7005

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ttcttttttt	acctctttcc	tgccctcttc	tctcttctca	ctcctctttt	ccttcttctc	120
ctccttcttc	ccctcttctt	ttctcctttt	ctttttctct	ctttatcttc	tcctctctct	180
ttcttcttct	tctctccttt	ccccttcttc	cctctcttct	cgctttttct	ctccttttcc	240
tttcttttct	tatttttccc	ctcctttcct	tctcttttct	tcttttcttt	ctcgtctttc	300
tcctctctcc	tcccgctctt	ctcctcttat	ctcatttctt	gctcttcggt	gcttatctct	360
cttcttcttc	cctccttctg	tcttcttcta	tatctccttt	ctttcttctc	gtttccttgc	420
cttctctctc	tcttcgcctc	ccttcttttg	ttttactttc	tttctatctt	ccttctctgt	480
tttcgtttct	ctctctctct	cttt				504

<210> 7006

<211> 540

<212> DNA

<213> A.fumigatus

<400> 7006

gaattgaaga	aaagggatag	agaggatcac	catgaccctt	ctactctctc	tcctttttct	60
cttcttttct	tttcacttct	ctttctcttc	tggttttctt	tttttacctc	tttccctgcc	120
tcttctctct	tctactcct	cttttccctc	ttctcctcct	tcttccctcc	ttcttttctc	180
cttttctttt	tctctcttta	tcttctccct	ctcttttctt	cttcttctct	cctttccctt	240
tcttccctct	cttctcgtct	tttctctcct	tttcccttct	ttctttattt	ttccctcctt	300
ttccttctct	tttcttcttt	tctttctcgt	ctttctcctc	tctcctcccg	tctttctcct	360
cttatctcat	ttcttgcctc	tcgttgctta	tctctcttct	tctcctccct	ttctgtcttc	420
ttctatatct	cctttctttc	ttcctgtttc	cttgccctct	ctctctcttc	gcctcccttc	480
ttttgtttta	ctttctttct	atcttccctc	tctgttttct	tttctctctc	tctctctttc	540

<210> 7007

<211> 444

<212> DNA

<213> A.fumigatus

<400> 7007

aattgtctgc	ctctgtgctg	gttcagatct	ctgactggga	cccttgaacg	gcagacttgc	60
accggggcgc	aagtggctac	gacagcgtcg	catttacaac	cagtgcacatc	gctcgtgggt	120
gatcccactt	ccaacttcat	tctttcggga	tcgtctgatg	ctagtatcca	tgtctgggtca	180
ctcgttgata	tccttttcatt	cacgaaacct	ccctcgggtc	gggaccgtca	gcagccaaac	240
tcgcccgtcc	gtacattctc	aaaccatcgc	gctgccatca	catccatcgc	tgtggggccat	300
agcagcgggc	gctataacat	cgctgtgtcc	gcctccaaag	ataacaccgc	cattgcttgg	360
gattatcaca	cgggacgcct	ccttcgaacc	ttcctattgc	ctggttctgc	aacctgtttg	420
atcctcgatc	cggtcgtttt	ctaa				444

<210> 7008

<211> 351

<212> DNA

<213> A.fumigatus

<400> 7008

gactttgtgg	atggcatgat	ggaggggtttc	tcggggctgg	tcacccagcc	gatcaaaggt	60
ggcaaagagg	agggagcgct	gggcgttgctc	aagggtttgg	caaagggtag	agcaggactt	120
tgactaaaag	ttccttccgc	tggactaggg	ctcgctcgct	atccatttca	gggtattgtg	180
aagagtatcg	agtcgtcggt	caggtccaag	acgaggaagg	ccattatcac	ggccccgacta	240
cgggatgggt	atgagctgag	tcgacgggag	gaagtttcgc	aggaggagag	acgctttgtc	300
ctgcagaagt	ttcaaagtct	tctgtgcggt	ccaactgcta	ctcctacata	g	351

<210> 7009

<211> 672

<212> DNA

<213> A.fumigatus

<400> 7009

tttagcgacg	cactaggcat	accactttac	tacgcactgt	taactcttcg	taccctagcg	60
cagcgtcggc	tgtggcatat	cttgccgcac	agtctgcact	tttgcgagtt	accgcaacat	120
ggcccacagg	tgctagacat	agttactgtc	catatatatt	tcccttacat	tttgagatat	180
gttaagcatc	caagtgctag	cgggatagtc	atggaagcca	atccccaagc	cgtcccgcgc	240
cttggttcaa	ttgctctcgc	gccagctagg	gcactatctg	ttgacatgca	gaatgactcc	300
aacgcagact	tgacgacaat	gcgcttcaac	tgccaaggct	gcgtgcgcaa	aaagggcaaa	360
tgcaataggg	ttgtgccgac	atgctcgaac	tgcagtaaat	caaaacttca	atgcgtctac	420
caggctcccc	tgccgcggaa	gaggaagcga	agccaggctg	aagaagacgt	gtatgagcgt	480
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gccccatgca	gcaaggcgat	ggacacgtcg	gtggtcagca	cacgggatcc	aagcccagcg	600
ccaaacatgc	aaccgcgtac	gtctggtaaa	cttctttccg	cggggggcaa	gtctcgatat	660
atcgacagtg	tc					672

<210> 7010

<211> 1608

<212> DNA

<213> A.fumigatus

<400> 7010

gacgggatcg	aagagatcct	gaaggcgaga	atccttgctg	cggcgcgctca	caaagccttt	60
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atcgggtcac	ctattgaggc	tattcttact	cctcaaatac	tccacggaga	gtgcgttgcc	180
attggtatgg	tcaaggaagc	ggagtggcgc	agacatcttg	gtatcttgaa	gggtgttgcc	240
gtggcccgca	ttgtcaagtg	tattgccgcc	tacggcttgc	ctacatctct	gaaggactcg	300
cgaattcgca	aactgaccgc	cggtaagcac	tgtctgtgtg	accagattct	ttttaacatg	360
gctttggaca	agaagaacga	cggctccaag	aaaaaaatcg	ttcttctgtc	agcaatcggt	420
cgcacttaag	aaccacgggc	tagtggtgtg	ccgaatgagg	atattggtgt	cgttcttgcc	480
cctagtattg	aggtgcaccc	tggcgtatca	acgacctcag	aagtggtttg	tgcgcctccg	540
ggctcgaaga	gcattctcaa	ccgagctctg	gtacttgccg	ctctcggttc	gggcactgtc	600
cgtatcaaaa	acctgctgca	ttccgatgac	accgaggtca	tgctgaacgc	cttggaaacgc	660
cttggcgctg	ccaccttctc	atgggaagag	gaaggcggaag	tccttggttg	caatggcaaa	720
ggaggtgctc	ttcaagctca	tccttctccg	ctctacctgg	gcaacgcggg	tacagcatcg	780
cgtttcttga	ccactgtcgc	aacctttgcc	actgccagca	gcgtcgactc	gagcgttctt	840
accggcaata	accgcatgaa	gcagagacct	attggcgact	tggtggatgc	cctgaccgca	900
aatgggtgcg	agattgagta	cgtcgagaac	aagggcagtc	tgccgctcaa	gacgcgcgcc	960
tcaggcgggt	tcaccggtgg	ccaaatcaac	ctcgccgcta	aagtgtcgtc	gcaatatgtg	1020
tcctccctgc	tcattgtcgc	cccatacgct	aaggagcctg	tgaccttgaa	gctggtgggc	1080
ggtaagccca	tctcgcagcc	ttactattgac	atgacgacgg	ctatgatgag	atctttcggc	1140
attgatgtga	agaaatctac	cactgaggag	catacctatc	acattctctca	gggacgttac	1200
atcaaccctg	cagagtagct	tgtggagagc	gacgcgagct	ccgccacctc	ccccttgggc	1260
attgcagcag	tcactggcac	cacgtgcact	attccgaaca	ttggatctaa	gtctcttcaa	1320
ggcgacgctc	gtttcgccgt	tgatgttctg	agacccatgg	gttgactgtg	ggaacagacc	1380

gacacgtcga	ccaccgttac	cggtcccgc	gatgggtgtct	tgcggccttt	gcccacgctc	1440
gatatggagc	ctatgactga	tgcattcctt	ggggcgctcg	ttcttgcggc	cattgccaga	1500
ggcaaggact	cgaaccacac	aactcgcctc	tatgggtatcg	cgaaccagcc	tgctggtttc	1560
taccacaagg	cgacgagaca	tccgcgtatt	ggatccccc	ccggttaa		1608

<210> 7011
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 7011						
agagcacctc	ctttgccatt	gacaacaagg	acttcgcctt	cctcttccca	tgagaagggtg	60
gcagcgccaa	ggcgttccaa	ggcggttcagc	atgacctcgg	tgatcatcgga	atgcagcagg	120
tttttgatac	ggacagtgcc	cgaaccgaga	gcggaagta	ccagagctcg	gttgagatg	180
ctcttcgagc	ccggaggcgc	acaaaccact	tctgaggctg	ttgatacgcc	agggtgcacc	240
tcaatactag	gggcaagaac	gacaccaata	tcctcattcg	gcacaacact	agcccgtggt	300
tcgtaa						306

<210> 7012
 <211> 183
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (43), (68), (84), (101)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7012						
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aaactacnaa	cgtctgggtc	ccanaaatta	gaagaacccc	naaatggaaa	cgcccgggca	120
atcctttccg	gggatcctgg	gctgtacctc	cctaattggcc	cccagagaac	catcctccca	180
att						183

<210> 7013
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 7013						
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gatcttcaca	ttcactctgg	ggcagaagac	accagtcctc	cgacaatgca	agccgtccct	120
gaatcgcgac	aacaaacatt	cgaggagatc	tacggacctc	ccgagaactt	tctcgagatt	180
gaggtatgca	gcaataactt	ccatcacgaa	actacccac	ccaatcaact	caccgacaag	240
tccgatatca	tactcgagc	ccaagtcaag	actaacctct	catcgatttc	agggtccgtaa	300

<210> 7014
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 7014						
gaccatgata	acggatcaat	gataatgcga	gctgtcaccc	gtcactttac	ccagaatagt	60
ctagaagaca	aggatgatcc	catgaatagc	ccagctatcc	ctctgccatc	atcagtcatt	120
cttaacgcaa	tcgtagaaaa	ctctttctca	tacttgtctg	ctataatcct	ccatatcatc	180
ctaaccggcca	agaaatccac	ctttttcaag	agtcgcgcgc	ccctgtga		228

<210> 7015
 <211> 687
 <212> DNA
 <213> A.fumigatus

<400> 7015
 cgatcgcgct tttacettac tgaccagtcg caacatccgt cttccccgcg gtcacttccc 60
 ccatccgccc tcagtatcct gtcgatcttc acattcactc tggggcagaa gacacccagt 120
 catcgacaat gcaagccgtc cctgaatcgc gacaacaaac attcgaggag atctacggac 180
 ctcccgagaa ctttctcgag attgaggtat gcagcaataa cttccatcac gaaactaccc 240
 cacccaatca actcacgcgac aagtcgcgata tcatactcgc agtccaagtc aagactaacc 300
 tctcatcgta ttcagggtccg taatccccag acccatggca catcccgcaa catgtacacc 360
 tcgtacgaga tcgtctgccc aacaaacatc cccgccttca aactgaagca ctcggtcgtg 420
 cgccgacggg actccgactt tgaatacttc cgcgacatcc tggagcgcg aagcacgaga 480
 gtcactatcc cgcccttgcc ggggaaagta ttcacgaacc gggtcagcga cgacgtaatc 540
 gagcaccgtc gcgagggttt acagcggttc ttgcagatcg ttgccggtca tccgcttctt 600
 cagacgggga gtaaggtgtt agccagcttc atacagggtg agttatcttc tcttggtctg 660
 gtggtatata aagaagagaa ggactaa 687

<210> 7016
 <211> 507
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (480), (484), (501)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7016
 ctattgccgt atatcgcaat tagttcacat atcctatttg ctattgattc ggcgcaaatg 60
 gattgccgtc ttgacagcat ggagaacgtc gtcattccgc taattcagcg tcagtttcat 120
 ttccccaata tgaactttgc tactcaaggc tctaattcct tctctgagtc aagtaagggt 180
 tgctgtgata atcgcatatc tctacgaagt ctgcgaggcc ttagaaagat ctttctgaga 240
 ggtaaagagg aagcatctcg attgcggaga gttatcaccg tctcgttctc tctcgtctcc 300
 ggtagaagtt tagtctcttc tagtatcttc tatttttctt ttccttctcc gtttcttgat 360
 ccctctgctg ccaacgctga gccggaatgg atgaaggcgt gtttcaaaat ttttaataagc 420
 aaaaccatcg tttactgcag ggtattggtt tggacaaaaa cagagcgatt acgatgtccn 480
 aacnaggaac gagatgatgc naattga 507

<210> 7017
 <211> 1533
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1231)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7017
 aatgtcgggt gctgctcaag cgggaggact tgctccctgt attcagcttc aagctccgtg 60
 gagcttacaa caagatggcg catttatccc ccgagcagcg gtggaaggga gttattgcat 120
 gctccgcagg tcagagcctt tcaatgtggg acaccactcg tctcgaggag agctgacagg 180
 tatataghta accacgcaca aggcgttgca ttttccgccc gcaagctcaa gatccccgcg 240

```

accatcgta tgcctcggg taccctgcc atcaagcatt tgaatgttg gcgtcttggc 300
ggcagtgta tccttcacgg aaacgacttc gacgctgcca aggaggaagc tcatcgactg 360
gagaagcagc acggcctgac cagcattcct ccctttgatg atccgtacgt gattgcagga 420
cagggtaacca ttggaatgga aattctgcgt caggcaaact tggagaaact cgaagctggt 480
ttctgtgctg tggcgaggag gggctctggt gccggtatcg gggtttatct gaagcgcatt 540
gcgcccgcag tgaaggtcat cggagttgag gcctacgat ccaacgccat ggcccggtcg 600
ttgggcgaag gatctcgagt ctctcttcgg gaggttggac tgtttgcgga cggagcggct 660
gtgaagactg tgggagagga aacatatcgt cttgctcgtg aggttaattga cgtatgcatc 720
ttggtttcaa ccgatgagac ctgtgccgcc attaaggatg cgtttgagga cacaagatct 780
attatcgagc ccgctgggtgc cctggcactc gcaggtctca agaagtacgt ctcccagaac 840
cctagccccg acaccagccg ggagctggtc gccatcacat ctggcgcaaa catggacttc 900
gatcgcttgc gttttgtggc tgagcgtgct gctctgggag agcgaaagga ggcgctgcta 960
agcgtcaaaa ttcccagaga gcctggcgct ttcgcaaac tcgtcgaggt gatccttctt 1020
caagccgtaa ccgccttcag ttaccggtat gctcgggccc agtccgccga tgcctgatg 1080
ggcatctcct tgtctgcgct gacaggtcgc gaagacttgg cgaagattat ggatcagctc 1140
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cgcttccttg ttggaggacg ctgcgacgtc naggatgaac gtctcttcat gtttgaattt 1260
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cccgtttcca ctaccgcaat tatggtggtg atgtccgaaa ggtactggcc ggcattcagt 1380
gtccaattga acaaaaaaaaa gatttcgagg ccttcctcaa cgacctcgg ttatccgttc 1440
aagcaaaagca aaccgaatct cccccctac cagaaattcc caacgttggt aaaaaaaaaat 1500
tgttgttatc ccaccccccg gttatttttg gcg 1533

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<210> 7018

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7018

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gccccatta tgcctgatca atctgccacg aacggtaaca caactccggt cactgcgaag 60
ctgagcaacc tcgtctgac tgagtacacc gccgtcccca ctccccctc agagaaggac 120
caagacaccg cgctgggcgt atcccagac tggggtatcc caaatgcatt cctgctcccc 180
aatggctacc cagatgtaag ctccctaa 207

```

<210> 7019

<211> 318

<212> DNA

<213> A.fumigatus

<400> 7019

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cccaatggat ttgttttccc gaatataatc agccaaccgt tacttgcgac gcagtatctc 60
cgctttatct tgacgtcacg ggtctacgat gttattcagg agacacctct ccatcacgcc 120
atcaatctta gcaaccgtct agaatgtcgg gtgctgctca agcgggagga cttgctccct 180
gtattcagct tcaagctccg tggagcttac aacaagatgg cgcatcttat ccccgagcag 240
cggtggaagg gagttattgc atgctccgca ggtcagagcc tttcaatgtg gtacaccact 300
cgtctcgagg agagctga 318

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<210> 7020

<211> 276

<212> DNA

<213> A.fumigatus

<400> 7020

```

atttccagag cgtccaggac cctggccaat ttctctccga cgctccggcc caaccagaac 60
atctcccggt tccactaccg caattatggt ggtgatgtcc gaaaggtact ggccggcatt 120
cagtgtccaa ttgaacaaaa aaaagatttc gaggccttcc tcaacgacct ccggttatcc 180

```

gttcaagcaa agcaaaccga atctccccc ctaccagaaa ttcccaacgt tggttaaaaaa 240
 aaattgttgt tatcccaccc cccggttatt tttggc 276

<210> 7021

<211> 615

<212> DNA

<213> A.fumigatus

<400> 7021

aaccaagatg	acatcgtaaa	ttacctcacg	agcaagacga	tatgtttcct	ctcccacagt	60
cttcacagcc	gctccgtccg	caaacagtc	aacctcccga	aggaagactc	gagatccttc	120
gcccacgac	cgggcatg	cggtggcatc	gtaggcctca	actccgatga	ccttcacatg	180
cggcgcaatg	cgcttcagat	aaaccccgat	accggcaacc	agacccctc	cgccgacagc	240
acagaaaaca	gcttcgagtt	tctccaagtt	tgcttgacgc	agaatttcca	ttccaatggt	300
accctgtcct	gcaatcacgt	acggatcatc	aaagggagga	atgctggtca	ggcgtgctg	360
cttctccagt	cgatgagctt	cctccttggc	agcgtcgaag	tcgtttccgt	gaaggataac	420
actgccgcca	agacgcgcaa	cattcaaagt	cttgatggca	ggggtagccg	agggcatgac	480
gatggtcgcg	gggatcttga	gcttgcgggc	ggaaaatgca	acgccttggt	cgtgggtacc	540
tatatacctg	tcagctctcc	tcgagacgag	tggtgtacca	cattgaaagg	ctctgacctg	600
cggagcatgc	aataa					615

<210> 7022

<211> 447

<212> DNA

<213> A.fumigatus

<400> 7022

ggaaggatca	cctcgacgag	gtttgcgaaa	gcgccaggct	tctcggaat	tttgacgctt	60
agcagcgcc	cctttcgctc	tcccagagca	gcacgctcag	ccacaaaacg	caagcgatcg	120
aagtccatgt	ttgcgccaga	tgtgatggcg	accagctccc	ggctgggtgc	ggggctaggg	180
ttctgggaga	cgtacttctt	gagacctgcg	agtgccaggg	caccagcggg	ctcgataata	240
gatcttgtgt	cctcaaacgc	atccttaatg	gcggcacagg	tctcatcggt	tgaaaccaag	300
atgacatcgt	caattacctc	acgagcaaga	cgatatgttt	cctctcccac	agtcttcaca	360
gccgctccgt	ccgcaaacag	tccaacctcc	cgaaggaaga	ctcgagatcc	ttcgcccaac	420
gaccgggcca	tggcgttggc	atcgtag				447

<210> 7023

<211> 570

<212> DNA

<213> A.fumigatus

<400> 7023

ttcatcacca	acgacggcac	caccaccggc	accctgtccg	aaatccgccc	acagtacatc	60
cagaacggca	aggtgatcgc	caatgccgtt	tcctccactg	gcgtcaactc	cattaccgag	120
gactggtgca	cgtccgtcga	cggctcggcc	gccacctttg	gcggactgac	caccatgggc	180
aaggcgctgg	gccgcgggat	ggtcctcatc	ttcagcatct	ggaacgatgc	cagcggtttt	240
atgaactggc	tcgacagcgg	caacgcaggc	ccttgacgca	gcaccgaggg	aaacccggac	300
ttgatcaagg	cgcagaatcc	cacgaccac	gtggtcttct	cgaatatccg	ctggggagat	360
atcggatcga	ctttcaaggg	ttctgatggc	tcggtgacga	cgactacgtc	caccacgtcg	420
accaagacca	ccactagcac	cgcgcctggg	ccaacgcaga	ctcactatgg	acagtgcggt	480
ggacaaggct	ggactggacc	cacggcttgt	gcatcgccct	acacctgcca	ggttctgaat	540
ccgtggtact	ctcaatgtct	gtacccatag				570

<210> 7024

<211> 387

<212> DNA

<213> A.fumigatus

<400> 7024

tataggggtgg	aagaggtgga	aacccctgct	ttgctagatg	catggaagaa	gaccatcgca	60
cttattgctg	ctctccagcc	cgtcaaggtc	attccaggcc	atttgaggcc	tggtctgggaa	120
ctggacgccc	aagcagacat	tgcgcacacg	cagaaatact	tggatctctt	cgccgaaaag	180
gtcacctatg	cgccgacgaa	accgcaggtc	caggaactct	atgacttctt	tcagggtgcc	240
tttcctcagt	gccaacagaa	tttggacttt	ttcttggggc	atctgtccaa	tcaatttgga	300
gaggggtggc	aggtctggga	ggagaaccgg	caccacgatg	tcggcaagag	gaccattgag	360
ggactgactg	ggtattggtt	caagtga				387

<210> 7025

<211> 459

<212> DNA

<213> A.fumigatus

<400> 7025

tcctcaacac	atggggcaaag	cctgccggga	atggaaaata	tgaacagtct	aatggattac	60
aatacaaagc	ggaagtcttg	tgatcctgac	agtgataata	aggtcagccc	tgctcttaaa	120
cgggcgaagg	tttttggacc	agtgttacca	tcctgccttg	attccgagga	caccgaaact	180
gaacggcggtg	ctgaggggtgc	cagaacagtt	gagagtacca	gaactgatgg	cctcaatcag	240
gaggacgaag	atcaagatca	agatgaagat	gaagatgacg	aggctgatga	tgattatggg	300
cccagcctcc	ccccttttagg	tggtgaagtt	actgcaaatt	ccaatatgga	caagatatac	360
gatgagtcac	atattcagcc	aggaaagcca	gatgcccata	acaacaattc	tcaacgtgat	420
gcatggatgc	gtcttcacca	cgaactggaa	aaccgcggt			459

<210> 7026

<211> 294

<212> DNA

<213> A.fumigatus

<400> 7026

cgtaaaatcg	ggttgaaata	catcgatgatg	tggtctctac	tccttgctgc	gtcagtttgc	60
tggaacagtct	acagttccac	cttggtcact	cacattgaca	atgcccaca	gggagggcct	120
tgtcttaaga	cggcacaggt	cgtaagggtc	gagctagaag	gcctttgtaa	gttcaagaag	180
tccgttaaca	ggagatatga	cgttattggt	gctgctgacc	ctcctattcc	cgggactggg	240
ggcctcagta	gacgctgtcc	tagaagacat	tgtatagaga	gtgatagatc	atga	294

<210> 7027

<211> 297

<212> DNA

<213> A.fumigatus

<400> 7027

agaggggcat	ctgaaatttg	gcgcaatcta	cggctctggg	agatacagac	gagctgtaag	60
gctgataatg	ataagcacct	caacacatca	atgaggcatc	catctcacccg	ctcagaaatt	120
atctgcaagt	tgattgacga	cttcttcttc	aactttaatg	gtcgcctcat	ctcattcgct	180
ttgacgtaca	aagatattcc	ttggctgcct	ctccgcagaa	ctgaatttgc	ttccagaacc	240
ttaaactgca	tcttttgcgc	aaaagttcca	acacctgcac	cttacatcag	aaattga	297

<210> 7028

<211> 354

<212> DNA

<213> A.fumigatus

<400> 7028

ttactaccaa	aaccacaccc	ttgcttggat	cctatcgag	tttatcattc	aaccatgtca	60
gagccaggcc	ccgagtccat	ccctacaagc	gcagatccgc	gcagcaagag	acccgtcaaa	120
cgtcgcgcag	tcaccccgc	cagcgagcaa	gcacgcgcaa	tcgagcatct	cttccgcgac	180
ccaataaaag	aaatttaaact	ccccgaaccg	tcgaagcaac	gaaccgcaga	ttcacttgct	240
ccgccgccag	agattgttgc	gaatgtccag	ggttcttcgg	cgggtgcggg	ctccggggaa	300
ttccccttct	acaaggcgag	tcgcaagaag	ggaatacgat	cgtctgcgcc	ttaa	354

<210> 7029

<211> 378

<212> DNA

<213> A.fumigatus

<400> 7029

acggtttacc	taacacacaa	attacactcc	cattcctttc	tgtgtccagt	acgacacccc	60
tacactcctt	ttccccacgt	cagcatgcgg	catcatgggc	tgccctcttct	ccccaatccg	120
acccaggatg	agcgtgatcc	gctgcgttgg	cccgtctggc	tgaagcgttg	tgctatcgtc	180
acgacctcca	tgacaaactt	cgtgaccaac	atggccggag	cggggctgtc	ggtggccgtc	240
cctgagttga	ttcaggagta	tcacaagccc	gagtctgctg	tggtgcagct	gcttactgta	300
ggttcacccct	ttaatcagag	cgactacagc	tcgttgctga	tggtcaggcg	acttggtagt	360
ataacttctt	gttttttaa					378

<210> 7030

<211> 354

<212> DNA

<213> A.fumigatus

<400> 7030

atccaaagac	gacgtacaaa	aatcaatcga	agactcaaca	aaatgatccc	taccacctat	60
ctgctgctcg	ctgtctccat	ctttctgtgg	ctccaactac	tccccagtat	acacgcgagc	120
aacacagccg	gaaccacggt	catagtcaca	gtaacacca	caatctccca	tccagcttcc	180
tacacttccc	tcgagatatt	caaagataca	gttctctcaa	ccagtaacgc	ctatcgccga	240
gagcacaacg	caagccacct	aacctggaac	gagacattaa	caaaatacgc	caaacgctgg	300
gcagaggggat	gtaaatggaa	gcactcagtg	agccacgctc	tccttatccg	atag	354

<210> 7031

<211> 537

<212> DNA

<213> A.fumigatus

<400> 7031

caagtacatg	tagcaaccga	actaataaac	aaggggtggc	catacggcga	gaacctcgcc	60
tttggctacc	aggatccggc	agccgcgcgc	gcggcctggg	gcgacgaggg	ccagaaatac	120
gattacaagt	taccgacagg	attcagcgag	gaaacggggc	acttcacgca	gttgggtgtg	180
agggcgacga	gggaagtcgg	atgcgcggcg	ttcaattgcg	ggtatcaaaa	tgggaatgat	240
gcgaaaaaca	aagaggggtc	gtatacgagg	gcgcagggct	ggtatgtggt	gtgtgagtac	300
tcgcctgcgg	ggaacgtggt	tggaaaccaa	aatgctttct	tcagggtgaa	tgtgcagccg	360
acgagtacat	attctggggc	ggagacggcg	ggttctgcc	ctgggaccag	tcgagtgccg	420
agtgggagcg	cgacggctac	ggcgaccagt	ggtgttgagg	aattgtatga	tgggcgggtg	480
agagaccagt	atcagaatgc	ttttgttggg	ctcatagttt	ttataaattt	agtatga	537

<210> 7032

<211> 414

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (17)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7032

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ttcttctggc	gcccctgccc	acccactctt	ctcagcaagg	aggagcagaa	acaagtgcgc	120
aagaaccttc	gagaatactc	caaggagttc	gacgaggagg	acagatacgc	cgctgatatt	180
gccaatacag	ccgttgctga	gaagcgcaag	cgggttctca	acgagtggat	tgcttgatc	240
cgccgggaga	aggagctcct	tgccgaagag	aaagacgctt	acggtctccc	cgaggaggcc	300
gacgaccca	agttggccaa	ggacgccgct	gcaaccacac	aagagcaagg	cgagactgtt	360
gtggaggaga	ttgtcgaaga	gatcatcgag	gaaagcgagg	aggttatcgg	ttaa	414

<210> 7033

<211> 990

<212> DNA

<213> A.fumigatus

<400> 7033

acatgtctcc	ggtatcacaa	cagcggccgc	tccaactgga	cacttcacgg	cctcaccact	60
cgcgccgccc	aatccatcgg	ccttcatcgc	gacggacggc	acttcaatct	ctcgccactg	120
gaatgcgaac	tccgccgcgc	actgtggtgg	cacattgtga	cgtgcgacca	acgcgccgcg	180
gaggatcacg	gcctctccat	catcgcgcac	aatgaacctt	gcgacacgaa	cctgccgtcc	240
aacctcgacg	accaggatct	ctccgcaacg	gcgacagttc	ccccggcacc	tcagccgcgc	300
tggaaggaga	tgactttccc	cctgcttacg	atccaaatca	accgccattt	gcatgagatc	360
tcacgaaaga	cctcgcaggg	tgtctcgcca	gatccgctcg	ttagggaact	caaggactac	420
attcagcgga	attacctgca	atacggggac	gccaatatcc	cgatccaaca	gcagggcctt	480
gttctcgcag	acgtcttcac	cacgaaagtc	gcagtctacg	tgaggcagaa	agcactacag	540
attcacagcc	agggccagag	ccagtgccca	ccgcaggaaa	gtgcgacggc	gcaggagacg	600
ctggcgatgg	cttgccatgg	ccttgaacgt	gcaactggaa	tgacagacgaa	cgacctgctc	660
cgtggcttcc	gctggcttac	cgccacgtac	acccagtatc	acctcctgtg	ttacatcctg	720
tggcattctgt	gtgtgtatcc	agcgagcgta	catgttgagc	gggcatggcg	cagcgtcgag	780
gcgatctttg	aggtggtgga	aagggatccc	acgtggcctg	acccggggcc	caaattggcg	840
gttatgtccc	aattgagagc	caaggcgatg	agagcgaggg	aaggattgac	caatcggcag	900
gccgatgtgc	aggaaaaggg	accagagaat	gtcttggaact	gggggaattg	ggatctggag	960
ttgttcgggt	ttggggagtg	gactatttga				990

<210> 7034

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7034

tattttccgtt	tctcaagata	cgagacaaga	atctggatgt	cctacacttg	gctttccagc	60
accgccacaa	atcccatgcc	aaccagcagc	atcatccctg	agaactcctt	catctctgta	120
cgcgccgcgc	cgacgaactt	ttgtccttgg	aattgttgtc	tgccaaggag	gagggctatt	180
gacatggacc	ctcgctcggc	gcggtga				207

<210> 7035

<211> 1815

<212> DNA

<213> A.fumigatus

<400> 7035

tcaggccttt	catctgcgaa	tgagtatata	atcctacctc	aaagcccaag	acattcctcc	60
gaagggcctt	cggaaggagc	tcgaaggagg	ctttctcgcg	agtcaaagag	attgaacgtg	120

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gtttcacgaa gatctgacag aagatccggc acctccttgt tctcgatctc ttcgaagtct 180
gcgaagtaca acggcgccgt cgtcacacca catgagtttg gaagtggctt aatgagcgaa 240
agaggctatg acagtgatgc gcagttcatt tccactccga cccacattgc ggacaatgta 300
aaggctgcag ccagtattgg tctgtaggggt gtacttctct cgcaacccta cccaacgaa 360
gggaacagtt tcttggcaaa ggacggcaag tgtccagttt atcagcacac agaagtgtct 420
ctcagctcac cagagcatga aagctggagt ccgcaggcaa tgcattggctt tttcaaatcc 480
cacgaaccca atgtccaaag tctaaagcc agagggagtc ctcgtccttc cgcgagcctt 540
aacaatcgag cttcttccgg tgagaacaat gcgaactgcg gccttgtccc agctgcttcg 600
gcttcagcag catccctgaa catcttcgaa ggcaaggaca tcatcactcc tacccttcaa 660
gaacagtcag ggtctcctgg tctggtctct ggcacactac tccatacttt caatctgggt 720
agcccgcca cagagcgcta ttcagaactt ctcatacaca aaagaagaca acgacacccg 780
acatgcgaag accagtcgat ccacctcgca gaccttggca tctcgaagat gcttgcgtct 840
gcgtcaactt cacctgttat cttatcacct agtcaatcaa gctacgagga cccacacagc 900
agcacctccg gtattgggac tacgcaatac caaggcgggtg gcattggctg tcccgtatgg 960
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gagaagagag aagtcagctg tagcaggaca ccttctcctc ctcttctc taattcttca 1140
tctcgaagcg tatcactcct ggaaaagcat gttccgtcct tggattgtgg ctctcttggc 1200
aacacagatg ctttgaagag cagattttacc gaacagtttg atttgaaccg gtccataacc 1260
tccttgggat ccgttgcaat gcgcagtggg gtgacgtcgc cgcgcaaagt cagtattgga 1320
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gaaactgctg agaaagactc cggcaaagca tctgccacac gatgggagtc gccgaacaaa 1440
ccccctattg cgcataattat tgatcgtttg agagtttccc gctgggtctgg cgcaactgct 1500
ctcatcaggc cttcaaatgc cagcgactct gcgagttgcg actctgtcgt caattctcgc 1560
tcctggcgca ggttcgcagt tcgaagaaag aatctcgccg acgctcaa atgtctgataac 1620
cgaagagttc catggagtca gaagcctaca aattgctcga gcgactgtgc gggtagcgt 1680
caagcatcgg ggcactatgc gcaagccttc aatgagagtc tccgggatag ttcgatggaa 1740
tctgcgagag aactacagtc atcacacagt ctgtcttcac catcaggggg gcgaaggatc 1800
cgcgctaacg tataa 1815

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<210> 7036

<211> 1260

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (110), (220), (230)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7036

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cgggtgttccg ttcccgggat tccgccaaagc caaagggttc gaaaagggtg gacctttaag 60
ggccagccaa gattttccca aacgcgggac cccgggcagg caagtgtcn acggcgccca 120
gatcgggcca tatttgaacc atgggtatct agggcgcatg aaggggtgga ttatgaagta 180
cagcgtgttg ccattaagag aaagtgggat cgactattgn agaagagtgn cggacagcag 240
gttacggtea attacgcga tcatacgcag tatgcaacgt ttgatacgat cggggccctg 300
gcattcggaa gggagttcaa tgcgctgacg aatgatgac gaacggttat ccggtggatt 360
gaggctaccg ggttgtaact ggggattcgg aagaattttc ctctcctcaa gctgtggcca 420
ttttccaggg tggtgcgcca gtatcgcgag cggtagcagc gatttattgc ttatagcaag 480
gaatcagtga cgaggcgaaa gaacctgtta tccactgtgg gggaaagacc aatggatctc 540
ctgcaggcat tcattgatgc ggaagatcca gagaatcccc acgtgaagat gacggcagat 600
gaggtgatga cagagagcat cgcgatgcag ctgcgcggca gcgagtctac ctcttttgtg 660
acctcatggg taatccatct cctcacgctg taccctcagc acctggccaa agtcaccgag 720
gagattcgca gccagttctc tccctctcac ctgatcacat tcccgagtg ccgcgacaaa 780
ctcccctacc tggaggcatg cgtctatgaa accttgcgat actccccgat cacctcaggc 840
tttttgcttc gcattctcta cacaaagggc ctcaccatcc agggacacta catccccccc 900

```


ggggtggaga	ttgctatcaa	cctccatggg	gcgcacatca	acaaagacgt	atggacgaat	960
ccgcatctct	atgacccac	gcggtttcta	ggcgatgacc	aagccaagcg	gaatgtat	1020
gctttttcct	acggtcaccg	caactgcatt	ggcgtaatc	ttgcaatgat	ggagattatg	1080
atcatcattg	cgaatatcct	caaggagtat	gacattgcac	tacctgagga	tagcgtgcat	1140
gggccgtgga	atgtggatgc	cctgggcagg	ccaaggatca	tgcccacgcg	cagtgcgttg	1200
ttcacaacgc	ccaagtatcc	agagcgggat	tgtcggttgg	tcgtgtctcg	caggcagtaa	1260

<210> 7037

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 7037

agatcttcaa	acagtaat	acacaagcca	ttacgcagca	gcagcttgtg	tagatcaagc	60
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taccctaata	aatacaagat	agccgctaag	aatacagatg	aatacaatag	tgaaggatt	180
ggtcttgtat	ttggaatttc	agctgtatta	tatcattctc	ccaccagag	ctatagcaaa	240
agtgcagcag	aaaacaagat	ggaaggcctc	aacatatcaa	accaggtctt	tgatctctct	300
cctcttgaca	ttatccctag	tcacctctac	atcaccaatg	cctttttcta	cgagaacaag	360
acccctggcc	ccaggccatt	catgcaaccc	tctctcctca	aggaatcggt	gtatcgtgcc	420
ttgcagaact	tccaattctt	tcttgcccat	gtgcgcgcgc	accgcccga	tgcaatgcag	480
attgttgttg	actgcgataa	tctaaacctc	ccgctctacg	aagagcagac	acaccgcgag	540
cttcacttcc	ggcatctgaa	ggaccaccag	ttccatcggt	atgtgtggcc	caaagacgcc	600
aatgtaattg	atccgcgagc	gtctcccaat	ggagaattgc	tccaagtgca	tatccatcgg	660
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aaggggtatg	tagactttat	gcagtcttgg	ggatggtttg	ccaggaacca	cagtcacccc	780
gagggcgaca	gttggcctcg	tctgctggcg	gaccgtcggg	tgatgtacga	gtaccttctt	840
ccggatgtac	agccagctgc	tcctcgctcg	atgtggcatc	ctgcatcatg	gcttctaagg	900
ctgttatcaa	cgctagtgtg	cctcttcctt	ggactctata	aacgcctcct	cggcgacaaa	960
actcccccg	acgagatcga	gagccatctc	ttctccgctc	ccccacacac	tttggaccgt	1020
ctgcgctatg	cagctacctg	catcgactcg	tcctctcgcg	tgtcagatca	tgatatcatc	1080
agcgcgctct	tcactctcgc	cttcgcacac	accaagctac	tgctcacttg	ccggacgcag	1140
accgtcaacg	acaagcgtcg	cctgcgactt	tcgccaccgc	attggtgtac	cgagcatctt	1200
cacatgcaat	tgcgcaatcg	g				1221

<210> 7038

<211> 276

<212> DNA

<213> A.fumigatus

<400> 7038

tcaaactctag	gtactgcct	tactccacgc	accatgaagc	tgtccgtcgc	tcttctctct	60
tgcgctagct	tactccctgg	cgccctgtcc	tttccggatg	catgcagaca	gggtctgcta	120
tactgtggct	ccaccttgga	gaagtataat	ggtacgtgca	cacctgtgga	ctcccaggga	180
aagctgtctt	gtccacttgc	taaatctacg	ctcaacagga	tactcatcaa	tggagctcct	240
atcggccacc	aacggcaatc	tggacgccta	tcttag			276

<210> 7039

<211> 852

<212> DNA

<213> A.fumigatus

<400> 7039

ccgatatgca	agatgcgcta	cccccttgat	caaggcgacc	aggagacatg	gactcaggta	60
ggacagctac	tagtagccac	aggactgtca	tccatcatcg	ggatcgagcg	agaatggaga	120
cacaaaagcg	caggattgcg	cacgaataca	ctcgtcggga	taggcgcagc	cctgttcatg	180

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ctgatctcga aactgggggtc ctttgacgtc ctggcccgcg gcctgggtcgt gctggatcca 240
agccgggatcg cagcccagat cgtgtccggc atttgcttca taggcggcgg gatcatcttc 300
aagcagcgca acgagattcg aggcctgacg actgccgctg gtgtttggct gagtgccgca 360
gttggggctg catgtggcgc tggactgctc agattagcga gcgttgccac cgcgctgtac 420
ttcgttgccg tgctcgtcta tccgactgtg ctgcccgttc tgcggcaata ccttgatcgg 480
aaggatacga cggagatctc gcctgtgata cgctaccgga ttggagcggg tgggctgcaa 540
actctgctca tgaatatcat gcaagcaggg ttctgtgtac ggatgataac ccgactagaa 600
gaagtgtttg tgaatcaggc cgcgagtaaa ggccctgctg ggggcgatgg ataccagtcg 660
atctcgagta tctccaggtc accaatgaca cctgcggcgc aaattgagag actcgagcgg 720
atctttgaca ttcgcctgac ggtgaatggc acgagaggcc cagatagtct gatgcatgct 780
ctttcccagc tggaatcgat catttcgggt tccattgagg atgacgaagg agaattcgtc 840
cagagagttt ga 852

```

<210> 7040

<211> 381

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (356), (368)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7040

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gagtctgaaa tcaggatggc ttcgcagcag ctctctcccg tccctaagcc acttgctctc 60
tttgaccgat tcattgctca acaaactgag acgatggctc taaaggagaa agtcttatcc 120
atctctgggg atagtctcga tgtgaaactt gcaaattggc agcccatatt ccagattaaa 180
gccaagcata tgagcctctc tggtcgcaag tctgtcttag acatggcggg taatcatctg 240
tttgatattg ttaaggaaca tctgcatatc catactactt tcgcggccgt ggatcccat 300
gggaagaaac tactcgaagt caagagcagc ttttcctggt catgtgtttt ctaccngacc 360
ggggacgnag accaagcgta a 381

```

<210> 7041

<211> 420

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (56)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7041

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ttgggtactg gagaatcaaa ctgtcccagg tatattctcg atagtcgtcc gatttntacc 60
gtctacgagc tccaaggagt tgctttgatt cccgtcaacc ggcgttcttc tcccgcagt 120
atggccgacg aacactccca ctcaagggtc gagctatacg actcgggtct gacggatccg 180
tcagactcgg agatatactc tgccaatcat gaagtctcat cacctatgtc ggcatgtagt 240
tcgcccctga ttctgtacaa gcctccgtcg atctggggca tcttgccggg agcagcgatc 300
aatttgatcc tcccttttgt caacgggttg atgctgggat ttggggaatt gttcgcacat 360
gaggctgctt ttcgtcttgg ctggtctaac acaaaggtac gttccatgaa atcgctgtga 420

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<210> 7042

<211> 612

<212> DNA

<213> A.fumigatus

<400> 7042

ctcgcctatac	tgcagatctc	ttcgttcaga	ccacaaaagct	cgagattccc	tgtgcgctat	60
ggcggcccta	cccagacact	ttccgggaaa	atatcatgga	agcccgctc	ctccattccc	120
ggtgtcatgt	ccgcaagatt	caattcaaca	tcctctgtaa	cggatgccgc	cgcgagttag	180
catttgctcg	gcgctcctac	cgatacaggt	gtacctgacc	tttctgattt	atctgccgct	240
gatcttagct	caatccctga	gcacatcgga	tacctcaaag	acctaggact	cgactacggc	300
tggggcccg	tctcaatcat	tcaattttca	ttgagcatat	ccacatatgg	ggagggcttg	360
ccttggtggg	caagtgtcgt	gggaaccggt	attctccttc	cgatagcact	cctgtatcct	420
acgctgggcg	ctgtggacac	ctcgacaaa	atgctcaata	tcaaaccggt	cacggaacct	480
tttgcgagc	agataataat	ccttggaagg	aaagcaattc	aaatagaaat	gttgaaacta	540
ccaaccgaa	attcagaagc	ttcaccagga	gcaaggatc	gtggcatgga	aagcattaat	600
tcccatgctt	aa					612

<210> 7043

<211> 237

<212> DNA

<213> A.fumigatus

<400> 7043

tcaaggaagc	tgtaccttct	acacctgacc	ccaaagggtt	atgtaagcaa	gaatagtaac	60
cttatcaacc	cccgaacccc	cgcttccgc	gattatcttc	aaatccttgg	aaccttctta	120
ttccccaacg	ctaataattt	cattaacct	atTTTTTTTg	tatataccct	tttgctaggg	180
ccaatcccg	atggtttttc	caataattcc	aaccaccct	gcccgctgg	tgggaacc	237

<210> 7044

<211> 351

<212> DNA

<213> A.fumigatus

<400> 7044

tcggtgccc	ggagaaacaa	tagaatacag	aggtttaatg	tcccttgctc	accaactcct	60
ccaacttctt	cctcgtctcg	ccgatctttt	cctccatcat	ctgccggg	atgccgctgt	120
gcgccacacc	tgtgtaccac	aggtactccg	ccctctcacg	gagagccagg	tgcttctccg	180
ccacgacagg	taccttcttc	tcatactccc	acaccaggtc	ggagacattg	cgcatcgtca	240
cgggaagcaa	ggtccaagcg	gcgacgatac	caaaggccag	cgccgagagc	gagcggagga	300
agatgccacg	gttccgggag	acgatggagc	cggccatggc	ggcgacgatg	a	351

<210> 7045

<211> 933

<212> DNA

<213> A.fumigatus

<400> 7045

gcgccctcgg	cccgtagaca	gcacaggcga	gctgatcggt	gcccaggaga	aacaatagaa	60
tacagaggtt	taatgtccct	tgctcaccaa	ctcctccaac	ttcttctctg	tctcgccgat	120
cttttctctc	atcatctgcc	gggccatgcc	gctgtgcgcc	acacctgtgt	accacaggta	180
ctccgccttc	tcacggagag	ccaggtgctt	ctccgccacg	acaggtaacct	tcttctcata	240
ctccacacac	aggtcggaga	cattgcgcat	cgtcaccgga	agcaagggtc	aagcggcgac	300
gataccaaa	gccagcggcg	agagcgagcg	gaggaagatg	ccacgggttc	gggagacgat	360
ggagccggcc	atggcggcga	cgatgacgta	gacgcgcgcg	gggagggagg	gctcgccgga	420
ttcgggcgag	ggggccagcg	aggcgacggt	gttgggtgaag	gcgttctcga	tgtgcagggc	480
gcgggagagg	aagtcgttga	agctgttctc	aacggcgagg	gagtgggtgt	agaggaagag	540
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agaggaagtt	tgtctgcggg	tgggagggag	ctcgacgggg	gccctggtag	gttcggggat	660
gtcgggttgg	aggtcatcat	agatgggttt	tttctgaaga	cgtagtcaa	gtcgaagatc	720
tgcaggcgtc	tctggtatcg	gaacagcctg	gaacatacgt	tgcccagagg	ctcttcggcg	780

tatgcagtcc	gcctgggata	caggggtaca	cctccagcca	gaagagtggc	tgcgattgga	840
gcaacagctc	gctggacgag	tcagcaaagc	agcaagagag	aaacggaaaa	agggcactca	900
cctgctggaa	cattggcccg	aatgacatcc	tga			933

<210> 7046

<211> 864

<212> DNA

<213> A.fumigatus

<400> 7046

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ctggtgcctc	tacggcgtag	gccatggacc	tgccaaaagt	gcctacaacg	cctccagcta	120
ccccggcacc	agactcgtcg	ctcctttgag	acggcagcat	ccccgtttcc	tcgaccgcta	180
gattctcttc	cagcggatta	cgcacggaca	aagaccgtcg	acgatgatac	gcttcgccga	240
gtgttcgact	cccagcagtt	ctggcgcgag	ttctcgcagc	agcggggcggc	ccagcccaaa	300
ctgacgggat	tggtccagaa	ccaatacctg	acgagtcggg	atggcttccg	gacgttcgcc	360
aacgtatcgc	tgcaaaaatg	ccaggcgatt	gtgtccaagg	tcctggcgggc	ctcgaccctc	420
gaagaatacc	ggacgatggc	gcgggacctg	gaccggctga	gcgacctgct	gtgtcgcgtc	480
atcgacctat	ctgacttcat	ccgggtgatc	catcccagacc	cacaggtgca	agaagcggcg	540
acgttggcat	acgcgtcat	gttcgagtac	atgaatgttc	tcaacacgac	gacggggctc	600
aacgaccagc	tgaacaaagg	cggggcgatc	cccgatgtga	cctcccaatg	gtccaacaag	660
gagaatatcg	tggggcagat	tctgatcaac	gattttccca	attcggcgaa	tcatatgccg	720
ccgcatgaac	gggcacgggt	cgtgaaactg	ttcaacgaat	ttccccacct	gggctccagt	780
ttggtcaatg	gtgcggaacc	gggccaattt	ccagttcagt	gttggcgacc	aaaagcttgg	840
cgcggtattat	attcgatcct	aatg				864

<210> 7047

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7047

gcagcggacg	atgacggaga	ggatcggggc	agccgaacag	ccgcgaaaag	aaaaaggctt	60
ggcagctcca	acgtcaacca	acctcgatac	ttcttcctgt	tcatacagcac	caccactcgc	120
tttctctcct	tgctctcccc	cccaccattg	gcattgattg	acctctctcc	gtcaggatgt	180
cattccggcc	aatgttccag	cagggtga				207

<210> 7048

<211> 633

<212> DNA

<213> A.fumigatus

<400> 7048

cgtcttcaga	aaaaacccat	ctatgatgac	ctcccaaccg	acatccccga	acctaccagg	60
gccccgctcg	agctccctcc	caccgcgaga	caaacttcct	cttctctctc	ctcctcgcc	120
accccaactg	acatcctgac	ggcccaggtc	cgccaggccc	gtctcttctc	ctacaaccac	180
tcctctcgccg	ttgagaacag	cttcaacgac	ttcctctccc	gcgccttgca	catcgagaac	240
gccttcacca	acacgctcgc	ctcgtcgccc	ccctcgcccg	aatccggcga	gcgcctcctc	300
ccggcgggcg	tctacgtcat	cgtcgccggc	atggccggct	ccatcgctctc	ccggaaccgt	360
ggcatcttcc	tccgctcgct	ctcgccgctg	gcctttggta	tcgtcgccgc	ttggaccttg	420
cttccgggtga	cgatgcgcaa	tgtctccgac	ctggtgtggg	agtatgagaa	gaaggtaacct	480
gtcgtggcgg	agaagcaact	ggctctccgt	gagaggcgcg	agtacctgtg	gtacacaggt	540
gtggcgacac	gcggcatggc	ccggcgagatg	atggaggaaa	agatcggcga	gacgaggaag	600
aagttggagg	agttgggtgag	caaggacat	ttaa			633

<210> 7049

<211> 810
 <212> DNA
 <213> A.fumigatus

<400> 7049
 cgtggctcct tccagccgcc gtggttgaaa acgaccaccc cctctcacca tccgtccact 60
 catacactgc tccccacggg cggagaaggg ggtaagccta ctcacaccgg tggcactggc 120
 actggcactg gcaactggcac tggatcatcc cagcctacaa cgaccgtcgt ccctggcggc 180
 gactctggct ccgtctcaac cgtgaccgag accatcacca agacgacctt ccagccatgc 240
 tcgactccta tccacaccca gagcggcacc acctactaca gcacctggtt gacgacgtct 300
 acctacgaga caaccacgtg ctacacgacc catatcccca caacgatccc agcgcccccc 360
 cagactacaa ccgtcaccct gcccggtcca ggaaacagct gtccccctcc atccacagtc 420
 acggttaaccg tcacggtaag cagcggcggg gatacaggac cgcacactca agcaccagca 480
 cccggtggag acagcggaag tggtcctaata cctgggtactg gcactggtac tggctccgga 540
 ccctgcaagc actgcgagac catcacctac accaacacct acggctacac gaccactatc 600
 gtgatcccc cgatttctga accacagagc agtgctacca cgcgcaccac gggaaccgga 660
 acaactacta ccaagcctac gccccctgtg ggaacgggca ctgctcccg tccagtcacat 720
 actcggggat caccaactgg gaccggggtt ggacaggctc ctactgagac gaagacgtgg 780
 cattttgaga ggagaatagt gcgggtgtag 810

<210> 7050
 <211> 420
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (396)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7050
 ttccctcccg agatagactg cacaatgaat gcagcagacc atgaaatcga ggcgcgcgag 60
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 gatggatccc agccgcggct gcgaacaatg tactcgcgac gcaccgagac cgacctcgag 180
 cggatcaga cctcgctcga ggtcatagat cggatcgaaa ccacgcgtct gcagcatgcg 240
 ctcaccgtcg gagagagtat caaaacacag agtcgactgt cgggcgcgcg gcctctcccc 300
 gcggtcggcg cgggcaagcc gtatcccccc cacttgccca atcgggaaaa atatgtggtg 360
 gagttcgacg gggaggacga atcggtgttt cctcanaaat ggagcaccgc ccgaaagtga 420

<210> 7051
 <211> 699
 <212> DNA
 <213> A.fumigatus

<400> 7051
 gttatcccta ctagtggtct cgcgatggca gcacgcttga aagttcttgg catggaaaac 60
 ctgattatcg aacgcagcga ggaagtcgga gatgtctgga agaactcgta cgaataacct 120
 tcaactgact tcccacattg gcccgatgcc ctaccgtact tcaaataccc tcagcactgg 180
 cccacatata ccccggtcca gaagcagggg ctctacatga agtggtatgc ctccgctctg 240
 gagctcaatg tctggaccaa atcagaggtt gtgaaggccg agcaggatgc cgagggcagg 300
 tggaccgttg tcatcaacaa ggagggcaag gagactcgta cgctgcatcc tcagcaactc 360
 atcatggcca cctcgctatg cgggtgtccct tccatcccg ccgctgcctgg catggctgtc 420
 ttccgcggag tgatccgtca ctccatcgcc cacaagagtg cccgggactt tgtcgggaag 480
 aaggtctgcg tcgtcggtac ctcatcctca ggcttcgaca ccgcttataa atgcgcccgt 540
 ctgggcatcg atgtgaccct cctccagcgg taccgcagct acgtcatgtc gttgacccat 600
 tcgggttcctc gcctgctggg atgggtactcg cccgacaagg atggcaacct cccaatctc 660

gatgtgcagg atcctcttat gttctcgacg ccattctga

699

<210> 7052

<211> 555

<212> DNA

<213> A.fumigatus

<400> 7052

gagacaatgg	caacttatgt	tcaagaatcc	gctggcaccg	attcagcctt	tccggctagc	60
ctccagtcta	agggggcggt	gctcaaccac	gaccaggtcc	caaagcccg	cgagacgat	120
ttcatgtacg	ccttcaagta	caaccatagt	ctccccacta	ccgacgtctt	aggcggtgag	180
atccccgcgg	actgcgatgc	tcagaaggag	gccgagggca	ttgtcgcccg	tctctctaca	240
gccacatcac	agggagatgc	gcacgctttc	gctgggctgt	tcctcgatta	tggtgagact	300
ctttcaaaaa	cacggcccga	aatcccgact	ttcgctgact	tccaatgtac	aggggtgtgg	360
cgtgacaagc	tctcattcac	ctgggacttc	cgcacattca	acttcagagc	gggccatcct	420
caaaggccgc	taccgatctt	tttgcttcag	accagggcta	caaatttcac	ctttctcgag	480
cctgcgccct	tcgggtgggt	cgccctttta	cccggacttc	tcgcagctac	aattcgttgt	540
gtccttcgag	actga					555

<210> 7053

<211> 1389

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1301)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7053

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tctcctccgc	gacgcgccgt	ggagcctatc	tctcctttca	ccaccaccac	cgactttcgt	180
gcctcgtgga	ttgaccgcgg	agactcgcaa	gctgcgagct	atgatcgcca	tcgggtcaca	240
tcgaataacg	atgtctattc	gagcacaaat	cggggatctc	atgggcgaac	cagccatggt	300
cgctccagct	ccacaattga	cactctcgcg	acaatcgcc	tagcgaccag	ccctactttt	360
gcgcctcttt	cctacagacc	tcttcttcaa	gacccaacgc	ctgccatgcc	actatttcct	420
tctcagttca	ttgaaaagtac	agaacgtcca	gccaagcgac	cgcggtcgga	gaaaagtccg	480
tctcccttac	atcaaccaca	gacaaccgtc	gcgcgggatg	caaatccttc	ctccaccttc	540
gacagcatga	aaaccgatgc	tgagcttctt	ctaaacttcg	cgagaccaag	caacttccaa	600
cctgccgctt	tctacccctc	gaagcgagtg	agcattgatg	agtcgtacca	tcctcactac	660
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caatggtttc	atatcgtttg	tgccggtttc	aagaatgatc	gcgaaatacg	gacagttgac	1200
aagttcatct	gtcgccgggtg	tcggccgatc	cacggacaga	caacgtttgt	tcgaaagtct	1260
tctcgagccc	gcactgccat	tgattatgct	ggtctcaacc	naagtcttgt	caaggccgcc	1320
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ccggaataa						1389

<210> 7054

<211> 225
 <212> DNA
 <213> A.fumigatus

<400> 7054
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 gtgtctatca ttataaattc aaaccctgag gctctaattt caaggcagaa catgctgtca 180
 gattattctg acactaagaa aggttgcaaa ttgctctgtc actag 225

<210> 7055
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 7055
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 aagttcgtcc cgaacagacc ctacatcctc aaatatcagc cattgtccgc caccaaagtt 180
 cgacgaggct tgcattga 198

<210> 7056
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 7056
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 gtctttttcc ctcccgaatt cttccccgtc atcagggcag acctgaacgg gacttttttc 180
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 ccctcgagct caagcccata ctga 264

<210> 7057
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 7057
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 ctggaggcca tgggtaaggg ccagaaggag aagccagacc aattcccaaa gatcatcacc 120
 tgcccaaatg aggtatttct agagattcgc ctctcccata cctgtctgca ttcgagagaca 180
 ggtccgactt caacctgctg a 201

<210> 7058
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 7058
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 ggccgtgctc cggttctgat ctctccgggc ctctcccat tcacaatcga aggagagatg 180
 cgcggtcttc gcaccgaata tataactgg atccaagacg ttcccgacca gaaacagatc 240
 gtgtccaata ctgtcggttat acggccgaaa tcaaatccgg caagaacata a 291

<210> 7059
 <211> 651
 <212> DNA
 <213> A.fumigatus

<400> 7059
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 tacacactag ctcaaggcgt ctggggaccg gttgcgccat cggctttgac accagaggcc 120
 gttgagctga tcacctctca tttggctgcc gccaaagagc ctctagcgat cgtaggctac 180
 tcaggctcgt ctgctcgagg ggtaaaagag ctggtcacac tcgcggatac gttcaaggga 240
 cttcgggttt tggacacggg cgggagtgac atgtgctttc cgggcgacca tcctgcatcg 300
 ttaggactcc gttacggggg tcatgacgct atcaagaccg ccgacttcat cctagtcgcc 360
 gattgcgacg taccatggat cccaacacag tgcaaaccgt cggactcagc caagatcatc 420
 cacattgatg ttgatccgct caagcagcaa atccctgtct tctacattcc ctactagcg 480
 acttttcgcg cggagtctgc gacggcattc aagcagatca acgacttcat cgcgtctagc 540
 aaggctctac aggaggtggt ccattctgaa gaacaagtcg cattcggaca gcgccgggaa 600
 gaagtctgcc acaccggggc ggaaggacac gcgaatggcg ctaccgcacc c 651

<210> 7060
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 7060
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 aacttgaacc gtacaaataa ggaaacttat gccacatacc agtaccat atcaatcgga 120
 ctttaccctg cagcggagat actgcgatgg cttcacgata atccccgggc atccccctct 180
 gttgggggtac tggtgacctt tggaagctgc cgaaatagtg agccagatac ctga 234

<210> 7061
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 7061
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 aagcagtatt cggctactat gaagaagatc agggagcagc agcccgcggt tgacacaccc 180
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<210> 7062
 <211> 1188
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (95)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gcgctagacg aagaacgccg tggtcgtgac ccgaccgatt ggcacggag ggatatcgac 180
 gatagcgga tgcagtaccc cttcgacggc atcagaaccg gcgaggtcaa ccggttccc 240

cacgctttgc	tggagatcaa	gctgcggggc	agcgcacatc	atatcgagtg	ggccaacgag	300
ctcatgggtc	cccacctggg	caaggaggca	ccgcttttct	cgaagttcgt	tcacgggtgc	360
gctcagctgt	ttgaggacca	tgtcaatagc	ttcccccttct	ggttgagcga	actggagaat	420
gacattcgac	gcgatcccga	aacagcgttt	cgagaagaac	aggaacggct	tgcaaagcgt	480
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cagccatcgc	agcctggggc	acagccgagt	aggcctacca	tacaggaagg	agaaggccgc	660
acatttcccg	aggagagtgc	tccgggagaa	acgcagccga	taacgtcatc	ccgcttggcc	720
gcactcttcc	cgtctttccc	catctcgcga	tctagccgct	cgcctcgaca	gtcggttgtc	780
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cgcgcttgt	ccattgtcta	cacttttttc	gccttgttcg	ccgccgcttg	gggatggtag	1020
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tttgggccta	ttgtcgtgtg	cattgggtctg	gcgattgcct	tgggtgctgaa	tttcgccttc	1140
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<210> 7063

<211> 798

<212> DNA

<213> A.fumigatus

<400> 7063

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tatctgttta	tagccaaatt	cgtcctgggtc	tacattcaca	ctgcggccgc	atcgatcgcg	180
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aatctgggtca	ccaacggcct	ttcggaaaag	ctgtccgtct	ttgtgcaaag	ctgcgctact	360
tttatagcgg	cgttttagt	cgcctttgcc	gtgcagtggg	agctcacgct	cattaccgtc	420
tgcacgtcc	cgaccatcgt	catcgtcacc	ggaatctgca	tgggtatcga	cgtgaagaat	480
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cacctggccg	aattggagcg	cgtcggcatg	aagaaatcac	ccaattatgg	cgtgttggtc	660
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atgtacgctc	gtggcgaggt	ccatgagccg	ggggatatcg	taacgtgcgt	ctgctgcctg	780
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<210> 7064

<211> 276

<212> DNA

<213> A.fumigatus

<400> 7064

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atcgccgctg	gctcggccct	tccgttgatg	gatctgggtg	ttggcaagtt	cgtgacgacg	180
tttaacaagt	ttgccctggg	cgcggtcggg	ccggacgatt	acatgagggg	gggtgtcga	240
tatgcgtcag	tcattctgcac	atccaagcga	ggataa			276

<210> 7065

<211> 624

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (621)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7065

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gacaagcagt	ctgccataga	ctccctctca	atctcaggac	tggcgctga	gacatgtgtc	180
ggcgagatcg	agataaaggc	tctcgacttc	gcctaccctt	cgcgcccgga	tacacaggtc	240
ctcaacggtc	tgaacctgag	cgcccccgcg	ggtaagacaa	ccgccctggg	cggtgccagt	300
ggttcgggga	agagtacat	agtcgggctt	ctcgagcgct	ggtatgacct	cgcgggccgg	360
acaatcctac	tcgacggcat	cgaaatccag	aaactcaaca	ttgcctggct	acgcacgcag	420
gtccgcctcg	tgcagcagga	accggttctc	tttagtgagg	cgatcttcga	caacgttgct	480
ttcggtctgg	aagggacatc	gtacgcagag	gccccgtacg	agcagaagct	tgctcttggt	540
aaagaagctt	gtcgtgatgc	ttacgcgcac	gagttcatgt	cttcaccacg	gggctggaag	600
aatcagggtc	ctcattgggg	ntca				624

<210> 7066

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7066

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actgagttcg	agaaacttaa	aggatccctt	gtgtttaacg	cgagacacaa	caactgctgc	180
gcattgctca	agcatcacat	cgccac				207

<210> 7067

<211> 867

<212> DNA

<213> A.fumigatus

<400> 7067

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cacaaaaatga	aaccatcctt	accgctgcga	cgcatattgt	gcgggacaaa	catcacaaat	180
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aacgagggga	tttttgagta	tttgagtaca	aagtgggagt	tggtgccggg	ccctggggga	720
agtgtgcaga	cacgggtgca	gctggagatt	cagtttgagt	ttcggaacca	gtttcatgag	780
gcgatgatga	gcgctggtga	ggggcagatg	gcgggcgtta	tgattgaggc	atttgagaag	840
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<210> 7068

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7068

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gtactcaaat	actcaaaaat	cccctcgttc	gcgccgggaa	agatcccccc	ctcctgcccc	120
tccttcgagt	ccaccccgaa	cttgcccccg	ctgcgcgcct	cgacagtcca	cttgtcccgg	180
ttgcagtcca	cgcgcgacgt	gaaggctctg	ctgagaggcc	cgtag		225

<210> 7069

<211> 270

<212> DNA

<213> A.fumigatus

<400> 7069

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cccactttgt	actcaaatat	tcaaaaatcc	cctcgttctc	gccgggaaag	atccccccct	180
cctgcccata	cttcgagtcc	accccgaaact	tggccccgcct	gcgcgcctcg	acagtccact	240
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<210> 7070

<211> 393

<212> DNA

<213> A.fumigatus

<400> 7070

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<210> 7071

<211> 747

<212> DNA

<213> A.fumigatus

<400> 7071

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<210> 7072

<211> 1713

<212> DNA

<213> A.fumigatus

<400> 7072

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<210> 7073

<211> 981

<212> DNA

<213> A.fumigatus

<400> 7073

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<210> 7074

<211> 708
 <212> DNA
 <213> A.fumigatus

<400> 7074
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 cccggtatga acggagccgt acgggcccgt gtccgtatgg ccatttactc cgactgcgaa 180
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 gccgtcgatg atgttttcga tactgctgtt tcccaccagc gaggtttcgt tatcgagggt 660
 atggggcgac actgcgggtg gttagctttt cttccaccac ggggatga 708

<210> 7075
 <211> 390
 <212> DNA
 <213> A.fumigatus

<400> 7075
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 gatagattta ctcttccctt gcgccccctg atcgaaaagc gcgaccgtcc ggatccattg 180
 cctctcgaga tcgccccaaat taatgctcag tggggatcgt tccgcgatgt gagccaggag 240
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 ggcgaggagg cagggtgctga gctggacaca acagagcgct tggatcaatt atacaaacga 360
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<210> 7076
 <211> 474
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (289), (380)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gccggttggc acatcatttg ccggctttgt caggggctgc tccaaccgtc cgcggaccag 240
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 ttccataata aatcacccca ctactctagc ttaccgtttg ttcttcatct gtacttcaca 360
 cagttttttc tccagtacan tactcttttc acacacatcc tcacaatcca atccatcaac 420
 atgtatggac tcaaggccgg tgacagcttc ccctctgacg ttgtattctc gtaa 474

<210> 7077
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 7077

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gtcatgagcg	catggggcaa	ggccaaccag	gtcactgggg	acgacactgt	atgttcacat	300
ccgaagaaag	aaattctgcg	atttcactat	ttggtagtgc	ttactaatgc	tctgattctc	360
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<210> 7078

<211> 939

<212> DNA

<213> A.fumigatus

<400> 7078

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cctgatgaac	tagctctggt	gatggctgcg	caggaccttg	gctatctcgt	cattgatcgc	180
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gccagcaaac	gtaaagcagc	cgaggcaaat	gaggtaatga	gacgaaatag	cgagcaccag	480
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<210> 7079

<211> 1683

<212> DNA

<213> A.fumigatus

<400> 7079

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gtcggccatt	cttgccgtct	ggttaaagac	tactctactc	ttgttattct	cgaccatgaa	300
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<210> 7080

<211> 1869

<212> DNA

<213> A.fumigatus

<400> 7080

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caattccagc	ttgagaagaa	cccactggag	ggtgacgcgc	atgctcacgc	cggggtaggg	1860
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<210> 7081

<211> 1338

<212> DNA

<213> A.fumigatus

<400> 7081

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tcaggctatc	tgtcgtgga	gggtccaggc	taccattata	gtcagagaga	catgcgtgga	180
gcggccctcc	caattgagaa	tgcgatttcc	aaccaagccc	agctaaatta	tacctgccac	240
gactccgttc	aagccgatgc	agaagttttg	aaggtcgtcc	gtcaaaagct	tctgagaaat	300
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cgcagttatt	tctttcagga	ccctgcagtt	acccattgga	aacttccagc	cgatcgagct	1260
accccgggaa	ctgcaaaaga	gtcagaatat	gaacttgccg	ggcctcaaat	ctacagtcag	1320
ccttctggta	cttggtag					1338

<210> 7082

<211> 1185

<212> DNA

<213> A.fumigatus

<400> 7082

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catcttgcaa	atgtactctc	actatatcgc	accgtcaagc	ggctggggat	tcccgattcg	180
cagatcatcc	taatgctacc	cgatgacatg	gcctgtaatc	ccgaaacgc	gtttccaggg	240
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<210> 7083

<211> 258

<212> DNA

<213> A.fumigatus

<400> 7083

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tttgggtccgt	ccatcaacta	cttcgaatgt	gaccgcctgt	ccatccttca	gaaatacaaa	120
gccatgtccc	tggattggtc	gaaaatgcac	aaagacatct	tcaccattgc	tccggcttat	180
aaagcaatat	tccttttctt	cattgaacca	tttaacaatt	cccgccttct	tttagcccat	240
ttggctcagc	tagggtaa					258

<210> 7084

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7084

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<210> 7085

<211> 732

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (684)

<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 7086

<211> 300

<212> DNA

<213> A.fumigatus

<400> 7086

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aacatgtgcg	gttatatcaa	tgttggcgag	ctccccggga	aacagagtac	gttcggttgt	240
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<210> 7087
 <211> 1653
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (51)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7087
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 gctctagcgg gcatgaatct gtccgcccgg aacggggatg tactccccgt acatccccag 180
 cccgtaaagg cgacaactac aagagctact gtggcaaadc gcctcaccgg catgtttctca 240
 aatactggga aaatgccgtc aaaggaaccc aaggagagca gagaaccaga tcccgcctga 300
 gactcttcag acagcagtag ggaaagcata aacgctccta caaatggtag cgcagcgcca 360
 tctagaccca catcaagacc ttcatctcga gctccctcgc gacagacgtc gacgaaagggt 420
 gacaacgaaa aagaaaagaa gacgaagcct acaaatggaa aagaccaaag ggaagggttct 480
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 aaaaaaggacg accacgtaga tgaccagcaa ttgtcactaa tgtctacttg gatcgaccaa 660
 ttcaaaaactg agcgtgacaa attggccgcc gacaagaagg gagggcccaa cgccacggcc 720
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 ccagcgttta catttttctca ggcccgttgt cgcaatgtga tctattccat ccttgacccc 1560
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 aagctgtgta aggccggcga ggaagggttc tga 1653

<210> 7088
 <211> 879
 <212> DNA
 <213> A.fumigatus

<400> 7088
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 tcaattttca aattccctcc gagcgaactt ccggagcctc ttccgtctcc tctgatctct 180
 gagccgacat ggaaccagcat attcaacatt cccctgagt tgtacaaaca gctcctggac 240
 gttcgcgtgc ccattaccat tgccagcgtc tacgcagtc cgcgtcgtcat catcaatcgc 300
 atcaacaaga gtctgtggga caagccctgg ggtttcagcc aaacgcggct cttcaagctt 360
 ttctgtcatcc tccacaatgt cttcctggcc atatattccg catggacgtt cgtcggcatg 420
 ttccaggctt tccgcaactc ctggcctcac cgcgaggacc cgcacggcgt cgtaggcgtg 480
 ctcgattctc tttgcaagat caatggcccc cgcggctacg gaaatgctgc catctacgac 540

tccggttaccg	accagtgga	actgccgaac	ccggaattcc	agttggctgc	gggtgggtgc	600
ccggacccca	cggacgttg	ccgtatgtg	aaccaaggat	tggcctacct	gggctggatc	660
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aagagctcga	ctttacagac	ctaccacat	gcaggtgcga	tgatgtgcat	gtgggcgggt	780
atccgctaca	tcgctcctcc	catccttata	ttcactctgg	tcaactctgg	tatccatgct	840
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<210> 7089

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7089

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ttgaccacca	tgcagatcac	gcagtttgtg	gttggggacca	cctggggccgc	ttcgtatctc	120
ttcgctcagct	acactcttcc	cggcaaagtt	ccgactgcaa	gcgctgctgc	tggtctgctg	180
acttccgtta	ttgaagctgc	ggctgccaac	ggcctcggct	gtag		225

<210> 7090

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 7090

agattcttta	tagaaacagc	catcatgcag	tcccaaagtc	aacagcattc	tgcttctgcc	60
gattctggtc	aagctcctca	ggcccagctc	ggccaatttg	ctcgagattc	tcgtgcccc	120
tttgctgctg	gctaccagca	gaacggctcat	cccagccagc	cggaagggtta	tcatgacggg	180
tctgctcctc	tccaagcaga	tcagaacttt	cagaaccagc	gttcctgctc	caagtacagc	240
actatcaagg	gcagcatgcc	gttcacgatg	tcccaaaact	ttgacctatc	cggggccaat	300
cgtgcaccct	acaatggcca	gtttgtcctc	ctcccagcgc	ggccaatgct	gaacggcatt	360
cctcctattt	cgtctttcaa	tcccacttct	gtacttggaa	ccaaccagct	gggttcaact	420
tcgtatcttc	cagccatgta	tccaagtgcc	agtcccaact	ttcctatggg	gccagcaaca	480
atgcagggat	attcatttcc	tttcgtggca	gacaacaacc	tgagaatct	ggctggccag	540
aagcggaacg	gctgggtcgc	tagcgagaac	cagaaggtaa	ctgggcaatc	cacctctgaa	600
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tctattccac	tattgaacta	caacggccct	ccgcaaccat	gtctccctta	ccaagtgatg	720
aagacgcccc	atggctacat	gctccaggac	ttggagagta	tactcaaca	ggaacctccg	780
atcccaagg	cgtgtccgc	catgtggact	aacccttcgc	aagtgcgct	cgcaaatgc	840
ctcgagaacc	gcgaaggat	taccaacgct	tacatcagag	gatttttgcc	acagaccag	900
gacgaaatgc	tgcattccta	tgctgcccgc	tttgggaaga	ttgatcggtg	caaggctatt	960
gtggatctgg	acacggggct	ttgcaaagg	tatgtcaaag	cagcttctag	tatgtcggcc	1020
tgtcagctaa	tttcgcttcc	agattcgggt	ttgtccagtt	ttacaacttt	gagtcagcgc	1080
agaactgcat	ccggggcttt	ttctatcttg	gatatcaagc	aagttttgca	caagtactgt	1140
gaatcaatgc	caaccagaga	ttcgcaaacg	ctgacatag			1179

<210> 7091

<211> 639

<212> DNA

<213> A.fumigatus

<400> 7091

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aaccgggata	acgatgtgtc	gggtgggact	cgggaaatcc	atctgatctt	caggtcattc	120
tcaagggcat	tcgaactgct	taagggaacgt	atggtctcct	cggcgggtgc	tgggcacaca	180
aaagccagca	ttctgcaaag	catcatcgct	gcaaattatg	aggagtacac	acagcagcgt	240
gcacatctac	gtgcgggtgt	tgagacccat	cccagattcg	cacagtatcg	tcgagctccc	300

acacctcccc	cacctccctc	agagagtcct	cctccacctc	ctgccgacct	tgctcctctg	360
ccaccttaatt	tgcttgctaa	acctccttcg	gcgaaatact	ccaaagctcc	tccggcacca	420
gcatccaagg	actccaaggg	ctcgaaggag	aagatgacca	agatgcaaag	aaagcagcaa	480
gcatcgcgag	aacggggcgc	tcgtcttaga	cgtttgcgtc	ccgatatacc	tgccattcca	540
aactccatca	gtaatgagca	agccttgagt	ctaggtgggt	ataaaaccca	atctgagatg	600
gacagagatc	tcgcaagtcg	agaaaaagaa	accaaataga			639

<210> 7092

<211> 351

<212> DNA

<213> A.fumigatus

<400> 7092

aacgaaaagg	tacaagatgg	tcaccttgcc	ggcgttgggg	ctttaaattg	gatttacatt	60
cccataatgc	ttcactcgta	tcagtgtata	cctagaacat	cccctccata	tccagatcca	120
aaaactccgg	gttcccaacc	gccatatctg	ccgcgttcag	tacatcatcg	atactcgtat	180
cgagccccgt	ccccgacgaa	tccagccccg	ctgccgcgcg	cgcatgtgctg	atcatgcgat	240
ggatattctc	cgcatcgctg	ggcccgaacc	catggtcggc	agcccccggtg	gcatccagct	300
ccatctggcc	cgcgcccaca	ccaacacccc	ccagctgcat	gttctggatg	a	351

<210> 7093

<211> 330

<212> DNA

<213> A.fumigatus

<400> 7093

tgcttcactc	gtatcagtg	atacctagaa	catccccctc	atatccagat	ccaaaaactc	60
cgggttccca	accgccatat	ctgccgcggt	cagtacatca	tcgatactcg	tatcgagccc	120
cgtccccgac	gaatccagcc	ccgctgccgc	cgccgcattg	tcgatcatgc	gatggatatt	180
ctccgcatcg	tcggggccga	ccccatgggt	ggcagcccc	gtggcatcca	gctccatctg	240
gcccgcgccc	acaccaacac	ccccagctg	catgttctgg	atgatgttgt	tgacgtccag	300
gttggggacc	tgcgacggcg	gcgccagtag				330

<210> 7094

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7094

ttcgctgtg	cctcgacaaa	actgatacct	gaatccagca	tagaacgctt	gctgggtgag	60
aatcccatgc	aaactcttcc	tgtgggctat	aataaggacg	aactgggtgc	gcagatcaac	120
gccaatcctg	aacgtgcgga	gcagttgatc	aacgagattg	agtctatgga	gggaaatgca	180
ggagcgatca	ttggggcaat	cacagagggt	tgtctctgtg	tcaggaattg	a	231

<210> 7095

<211> 579

<212> DNA

<213> A.fumigatus

<400> 7095

cgaaaacagg	tcattgcataa	tctctgcaac	caaaaggaga	ccatgacact	gaagaacata	60
tgcaattcgc	tatccaggcg	gcctcaggcg	ctggacgtgg	ttttaatttt	cggaaaccca	120
aagcagggtt	tgacgcccgt	ctgcgcttta	ctggactcgt	ggcactggga	cgaggaccag	180
ggcgagtacc	aaccggtgta	cgatgagttt	ggaagcattc	tcctgctggg	gctggccttc	240
aagtaccggt	ttgatctgcg	accagcggat	ctagggatct	caagcagtga	ttcctttgtt	300
ctgagactgc	tcgagcgagg	atcctgcagc	cagaaactcg	atgctctcga	tgaaaaacag	360

aacaaaaacc	tgggctcctg	gattgcggct	ctgttcacgt	ccgaaggcat	cagtgaggag	420
accatgtcag	cgtgcagtc	acaggagttc	tacctgcttg	tggcgacgct	gttcagtcag	480
agcctagaag	catgtgagac	cggaagctc	gagtttgata	ctttgaaagg	gggctttgaa	540
tgtatgtcac	ttggtctgga	tctactggaa	agatactga			579

<210> 7096

<211> 825

<212> DNA

<213> A.fumigatus

<400> 7096

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gcaccgacat	caaaccgatc	ctcgactacc	tggagccgtg	cctatcgttc	cagctggtgg	120
gcagcagcca	cgtttccgaa	ctggagggtt	ggacgacaca	ttccagcggc	ggctgctggg	180
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ggcacatctt	cgttacaccc	atcgccagat	gatcgaggc	gtgcggatgt	tgggggcgtc	300
gcgcgtgcta	catgcgctga	tgcaggagct	gaagctccag	accgaggcag	gcaacggccc	360
cctggcgctg	gacttggccg	cgacgctgat	ctgcgcgcc	atggcgga	ccttttctgt	420
ggagcagaac	agccaccagc	ccgtggaccc	gaacaaggag	gcgctgccgc	ggtgcgggat	480
cctgaccctc	cgcgacgtgc	tggcgctcca	gcacgagaac	gtgcccaaga	tctcgaaaa	540
ggacccccctg	cgcgcggagg	tgctcgtgcg	ggtgtaccgg	cggttcaacg	ccctactggc	600
gccgcgctcg	caggtcccca	acctggacgt	caacaacatc	atccagaaca	tgcagctggg	660
gggtgtttgt	gtgggcgcgg	gccagatgga	gctggatgcc	acgggggctg	ccgaccatgg	720
ggtcggggccc	gacgatgcgg	agaatatcca	tgcgatgac	gacaatgcgg	cggcggcagc	780
ggggctggat	tcgtcgggga	cggggctcga	tacgagtatc	gatga		825

<210> 7097

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7097

cgccgtgcgg	acgacaatgt	tacaatagta	acctacactc	ccattacca	ggatagaccg	60
gctcgggagc	ccaacatgat	cgtgaccttt	gacatcgga	gcaacaagta	tctccccttt	120
acaccaacaa	taccctggac	aagcgtaccg	gtatcacaac	cgtcgtcgcg	gcagcaacca	180
ttgtga						186

<210> 7098

<211> 678

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (676)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7098

agttaccaat	cggccaatat	gcgagtgcg	gttatgttta	tttctttggc	agctatccag	60
ctagtgggtg	gtcaattcag	tttcaatgga	gcagggaact	ctaacctgtc	aacggctaca	120
aggagcacc	attcgaaaga	cggaaaacct	gatggtagtc	atcttgcgag	gccggaaatc	180
cgatttggag	aatggatagt	aaagcgcgat	accacgacaa	ttgcggacgc	agttacatcg	240
accaccgcta	ttgagactgt	gacctccgcg	acgactagag	attcccatgc	aacgacgacc	300
tcagactcca	ggactacaag	cagctcagaa	acctcttcat	ctttcacgac	aaccactgca	360
gcagctacga	caacctcaac	tacaacttcc	agtaacctta	gcagcacagc	cacgtcatcg	420
tcatccgcgt	ccatcgctgc	ctcaaccaca	acaaccacag	caacaaggac	aaccataacc	480

tcaaccacca	cgccaacgcc	taccgaatct	gctgaattga	aagaatggaa	ccaccgcggg	540
actatcgccg	ccatcgtcac	cttcagcatc	ctcggttccg	tcttcgtagg	agcctgcatac	600
gcccgatggt	tccgcaattg	ggcgaagaaa	cggcatatgt	cttcaccacg	gggctggaag	660
gagcagctga	ccattnaa					678

<210> 7099
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 7099						
catcgggagc	aacaagtatc	tcccctttac	accaacaata	ccctggacaa	gcgtaccggt	60
atcacaaccg	tcgtcgcggc	agcaaccatt	gtgaaatcaa	tatcaaagt	tattcttgcg	120
gcgaacgcag	gtcttgagat	ctatgaggat	attgccgcta	tgactaaaag	cgaatcaaat	180
cagaattctt	gctccctcgt	gtatggcacc	gactccgacc	ggacctacgt	cgaaggatat	240
gcgtacgagg	ccacaacgag	tggtgagaa	tgcgacacaa	ctgctaagaa	aaagactatc	300
attgcagcag	tcaagtgtgc	caaacagctg	aacacctag			339

<210> 7100
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 7100						
atggtcagct	gctccttcca	gccccgtggt	gaagacatat	gccgtttctt	cgcccaattg	60
cggaaacatc	gggcatgca	ggctcctacg	aagacggaac	cgaggatgct	gaaggtgacg	120
atggcgcgga	tagtcccgcg	gtggttccat	tctttcaatt	cagcagattc	ggtaggcgtt	180
ggcgtggtgg	ttgaggttat	ggttgtcctt	ggtgctgtgg	ttggtgtggt	tgaggcagcg	240
atggatgcgg	atgacgatga	cgtggctgtg	ctgctagagg	tactggaagt	tgtagttgag	300
gttgctcgtg	ctgctgcagt	ggttgctcgtg	aaagatgaag	aggtttctga	gctgcttgta	360
gtcctggagt	ctgaggtcgt	cgttgcatgg	gaatctctag	tcgtcgcgga	ggtcacagtc	420
tcaatagcgg	tggtcgatgt	aactgcgtcc	gcaattgtcg	tggtatcgcg	ctttactatc	480
cattctccaa	atcggatctc	cggcctcgca	agatga			516

<210> 7101
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 7101						
agacttgatg	ttctcctcac	ggttaccagt	gtcaccaccc	tcgatgtagt	gcttgaactt	60
gcgggtgctg	aagccaccag	tgggggttga	gagcttgaag	ggccagagga	agttgttggc	120
ctgcttgaag	ttggggccaa	cagtgtagat	ctcgtggatc	agatcctcca	tgagacaaat	180
gccgtacttg	ccgagggcct	cctcaatgac	ctggttgctg	gtaagaggga	cacgctgctt	240
gttgaccttt	ccgtaaccac	gcttgtagat	gagctcacgg	acactcttga	ggttggggta	300
accgtaagcg	atgtatgggt	tgatgatggt	caacatctcc	tggttgccct	tggtgagacg	360
gacgaaggta	ccgttggtta	tctggaccaa	acggagaagc	tgagagatct	tgcgaggctg	420
aggagcaatc	ttgttgatac	tgcggattca	ttagcaccag	ggtaa		465

<210> 7102
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 7102						
caggccaaca	agaagaagcg	tgaggctatc	ttcaagcgtg	ctgaggccta	cgtcaaggag	60

taccgcgatg	ctgagcgtga	gaagatccgc	cttgctcgcg	ttgctcgcca	gcagggtaac	120
ttctacgtcc	ctgacgagcc	caagctggcc	ttcgttatcc	gtatcaaggg	gtacgtttca	180
cttgaacatt	cagttagctt	accctggtgc	taa			213

<210> 7103
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 7103	
atccgcagta	tcaacaagat
gtccagatca	acaacggtag
atcatcaacc	catacatcgc
tacaagcgtg	gttacggaaa
attgaggagg	ccctcggcaa
tacactgttg	gccccaaactt
aaccccaactg	gtggcttccg
ggtaaccgtg	aggagaacat
tgctcctcag	cctcgcaaga
cttcgtccgt	ctcaccaagg
ttacggttac	cccaacctca
cagcgtgtcc	ctcttaccga
gtctgcatgg	aggatctgat
gtacggcatt	gtacggcatt
caagcaggcc	aacaacttcc
caccgcgaag	ttcaagcact
caagtcttca	ccacggggat
ccacggggat	ggacggactc
gcgc	
	60
	120
	180
	240
	300
	360
	420
	474

<210> 7104
 <211> 459
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (304)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7104	
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ccaatcagta	ctccaatcga
gcctccacgg	cattcacttt
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gatntcccta	cggatctgtt
tctggcgaag	attctctctc
ttcattactg	acaaggactc
ctctgctcca	gctacgatcg
catctcttct	acaccatact
cctgccatgg	catacaacaa
gaccgctttg	tcaaccaaca
tcgatttggt	ttcgctgaac
atcgctgct	cgatcccaag
gctgatatca	gcgggtttgc
tcctcttcta	tgtgttttac
ggaaagtga	
	60
	120
	180
	240
	300
	360
	420
	459

<210> 7105
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 7105	
agccctgctg	acaacatcag
ggtaagccag	agattataac
atacctgccc	acgatctcct
gccaggaatg	gagatattga
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gtacgccagc	tcagacgagg
cttaacgaag	gggcacaaacc
cagttcggcg	agcatgtatc
cagttgtata	tattctacag
tccacgaggg	caccaagctc
tgggcgtctt	cccgtacaca
gcgcgtgggt	gcgctccgac
ctcgcgtggg	tgcaactcca
cttcgagctg	atataaaaagg
atgtcgacgc	gctgcccgtt
ctcgttccag	ttctcgcgca
ccgtacagc	cgccgaggtc
ccgtcgtccc	agcgtga
	60
	120
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	240
	300
	360
	420
	477

<210> 7106
 <211> 189

<212> DNA
 <213> A.fumigatus

<400> 7106
 ggtgagatgg tttgtcctgt agttttgttc atgtgggctaa tttgcttgta tatacaggag 60
 ggcattcgca tgcactggat gagcaatggt gaacgactac acattcagga tgagacgggc 120
 gatctccttc tgaacaagtt ccagagacat cgcggtgaca cactaaactc gcgtgagtta 180
 caattctaa 189

<210> 7107
 <211> 861
 <212> DNA
 <213> A.fumigatus

<400> 7107
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 gagtcaaact tgtgcaactgg tgggtctctc tgcctctgta gtcactcgag agctctcgtt 120
 gatataatca gggccggcgg actcgacaag gggccccatt acaggctcaa cacctcttcc 180
 ggccacgcca agatcgacca cgtcgogaag cagaaactga gctacaccag cggcgacctt 240
 gagtcaaca tcaacaccgc ccccaacgaa ctcgactttg tcttttccag cgctgacaag 300
 ggcaaattga ccggacactc atggcgctcg atcggtacg tggcgacca gacgaccgac 360
 aggtcacgct gggacgacgg catcttcttc gagcgccagg gatacatgct cgccgaactg 420
 gacctcggcg tcggcgagaa gctgtacgga ctcgagagc ggtttggccc ctctgttaag 480
 aacgggcagc gcgtcgacat ctggaacgag gacggcgagg cctcgtctga gctggcgtac 540
 aagaacattc ccttttatat cagctcgaag ggggtacggtg tgtttgtgaa caaccccggc 600
 aaggtcagtc tggagttgca gtcggagcgc accacgcgag tcaatatctc cattcctggc 660
 gaggagctgg agtactttgt tgtgtacggg aagacgcca aggagatcgt gggcaggtat 720
 acggcgctga cggggaggcc gagcttggtg ccctcgtgga gttataatct ctggcttacc 780
 accagtgtgt tccctttttt ctgtagaata tatacaactg ctgatgttgt ccgcagggct 840
 tcaggaccta ttaagacgga c 861

<210> 7108
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 7108
 gaagcaccgg aatacggagt tggcgccagc aattcgtcag caaagcgatg ggcaagagac 60
 atgagtgggc ctgttaaacg atctgaccag atgtcttgga tgcttctggg gtcgcgattg 120
 tctctcgcgc atgagttggg catctacgag accggagata aagcacgcga tgctttcgtc 180
 gcctacgaac ggttcatgac aaaggatcaa atgcgcctcc gacggcagcg ggcgcaacgg 240
 ttgtttgtacg tatatatcaa tcagttagcg tggcggatag gatgcgtatc gctcatgccg 300
 caaggcttga gccattcaat tctcaaccga cagacatcta gagaattaag ccaatatgga 360
 gaagaatggc tcacattcat ggactcatgg atggacctga cgaaactcgc caaatctgtc 420
 acggacatgt tctttccatc tgttactttc gcacgacagc agcttcagag tggacgatat 480
 attgacctcc tggaccattt ccgtccactg cttgacaagt ggaaagagag atatctccag 540
 ccgcaatgta agttgccata cctccggatg ttcaggcttt tttttggggg gtttcatgaa 600
 gacagctga 609

<210> 7109
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 7109
 cactttcgtt gcacagttac ctcggtgaaa gacggtgatg caatgtcagc tgaaagcggc 60

agtgtctctgt gcaaggcccc tgggaattta gatatacagct cggcaaacct ccaaaagacg 120
 tggctcggac ttgaggtgta cagtaagacg atgggggtcaa gcatgaagcg actctttgaa 180
 cagtga 186

<210> 7110
 <211> 783
 <212> DNA
 <213> A.fumigatus

<400> 7110
 cttgccaatc aaagtatcct aaacgcctat ttacttcttt ggattatctc tgggctgctg 60
 ctcgtaacaa gcatgttgtc ctggattcga ccaagtgcac ggctttcttt tttccattcc 120
 aaggataaca aactcctggt gaccaagaag cccggcgaat ccggtgttaa gcagcaggtt 180
 gcgttggcgg atgtctgtcg ctctgcgacg ccgacgaaat gccatctgaa tccgttcctt 240
 ttcaatggac atttgcagac tgccctggacc gccgttaaatt tcgatgatgt tcctgtgtat 300
 tataagcgtg ggatgtttga ggccgacaat tcgatgtata aagggcactt tgcagtggat 360
 tttgtcgtcg agccgtacga aacgcccagg gacaacgccg aagctactga tgaagcgagg 420
 agatacactt tgccttcagg tcttcgggaa cgaacgtctt tcttctcgga agaggagttc 480
 caagctttgc cttcggacga caccaagccc atgcttgctg tcttctcatgg ttttaagcgg 540
 ggctcacacg agatctatct gcgtcatgta ctgcctccac tcattgcaga cggaattgg 600
 gaagcatgtg tggccaattc cagaggctgt tctcaaacca aaattactac tgggtgtgctc 660
 tacaatgccc gggccacgtg ggatgttcgt caaactgtaa aatggctccg caaagcgttt 720
 ttccaaatcg acccttggtc ggaattgggt tctctcttgg cgcaaatatt cttgccaatg 780
 tag 783

<210> 7111
 <211> 390
 <212> DNA
 <213> A.fumigatus

<400> 7111
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 acgcagcatc gatcgattcc atgcttgcca ttcgaatccc attcttcacg gtgcaggctg 180
 aagatgatcc ggttggctct gcaattaact ctaagggtta atgtcgaact aatcgctttg 240
 cagatcgctt cggtcgatgc gcttcctttc caagaaatga cgcagacacc ttatgggtgtc 300
 atgttaacta cgtcctgggg cggtcacctc gggttgggtt aacttgggtg agacaggtgg 360
 tttgtgaagc cggtgtgtat cttcctatag 390

<210> 7112
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 7112
 ctgagttgca gcggagccct ttgctctgcc tggggcatag tcatgttcat tttccttcca 60
 gattctcccg tctctgcacc gggcttacc cccagggaac ggccaattgc cgttgaacgg 120
 ttgagagaga accagacagg tgttgagaac aagcatctca agccatacca ggtcctagaa 180
 gcgtttatgg actacaagct ttacattttc tttatgctag gctgtgtctg tgagtattac 240
 tgtatcctct gctcacacag ttcagcacta atttgcaagg caacatcccc aatggcggca 300
 tctccaactt cggcacattg a 321

<210> 7113
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 7113
 ctttgttgca gaccaaccta ctcccttggc atctgttgcca tgatcgtctc gcatctgatt 60
 gaggttggtc tcatctccac tcttggcctt cttctccgat gggagaacaa gaagcgggat 120
 cggatacaat ctcagatgca ggggtggactt gagggacgag acctgggctc tactgcgctc 180
 ctggacttga cggatcgaga gaatctcaag tatgtttttc atccttga 228

<210> 7114
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 7114
 attccctacg gcgctcctcat cgcactctcc atcctttctct gcgctctacct caacgaccgc 60
 ttcgagaacc gccgctgcgt gttcattctc ttatttctgc tccccaatat cgcgggcgcc 120
 tttggcctgc gctttgtccc acttgaccag caagtcggcc gtctgatctg ctactacctc 180
 acgggcccgt acaacgcagc ctttgttttg attctgagca tgcagatcgc gaatactgca 240
 ggtactgccc attctatctg ccgatcttcc tcggagccgt ga 282

<210> 7115
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 7115
 ttcttccgta ccttgccgtc tgctatgcat ttttctacat tgataaggta tgttggcgtg 60
 atagtaatcc tccattgggc tagactgatg tgtgatttca atgttcagac aaccctgagc 120
 tatgcagcta tcttcggaat cgtggaggac ctcaagctcc atggaacgca gtatagctgg 180
 ctcagcagtt tattctactt tgggtttcctt gcctgggctg tcccgaccga ctttctcctg 240
 cagcgtttgc caatcggtat gtgttccata cagacatgtc ggaggatagg attgtaa 297

<210> 7116
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 7116
 agggaagtac ctgggcgcca acatcttcat gtggtacgta cagcaagcac accgggcaat 60
 tcctctcctt tcttccttaa aagcattata ctcatgtata ttaggggagt cttcttcatg 120
 atccaggcag catgccataa cttcaccacg cttgcttttt ttcgagcgtt aggaggcgcc 180
 gatgaagcct gtgcagacct tgcctttatg ttgattacca gcatgtttta cacaagaaaa 240
 gaggcgcctg tccggatcgg tttgtggtat accgcgaatg gttttggtat cgcgcttgga 300
 ggctgttgg gttatgggat tggcaatctg aagggtgcgc ttccatcttg gaagtacgaa 360
 ttctcgtca tgtaa 375

<210> 7117
 <211> 546
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (59)
 <223> Identity of nucleotide sequences at the above locations are unknown.
 <400> 7117

cgagaccgct	ttcctccgaa	acaaggatac	gagagaggtg	agctccgaag	caaaagteng	60
accacacgac	ccatggcaac	cgaagtccgg	accttctaca	ccccttccgc	cacgacgcac	120
atctctccc	atgctccggc	cgtgtcgac	gagctcatta	gcaagtattc	atccacaatg	180
gtgacagctt	cgagcatata	ctcggcaagc	catctgacgc	tgaagaatcc	gcgtcgcaac	240
atcctgcaac	gtgttggtga	tcatattcaa	ctgggatact	accgctatga	ggttactttc	300
ggactgtatg	tgatgacacc	aggcgaaaag	ctcgtcgcca	atactttcgt	cattgtgggtg	360
ctctctcttc	tcttctgggc	gttgggtgctc	tacttcccgt	ctttgctgta	ccagaagctg	420
agccgcctgg	tgtggctgct	caccggccat	agcgggtgaag	agatgggcgc	tgccttcggc	480
attcttgatt	cgcattgacg	ccttgcgtct	tggcattctc	ccgctgcggc	gagtcctgac	540
ttatga						546

<210> 7118

<211> 219

<212> DNA

<213> A.fumigatus

<400> 7118

atcacacccc	ttccttttct	ctccttgtcg	ggtttttctt	ccttccttta	ctcccccttc	60
ctgtatcgaa	acgctacgct	ctccttgttc	tttgctgtt	acataaaaaa	gcattcgcg	120
tccttcagcg	tcgttctatt	caagcgattg	gattctagtg	tgttagcttt	cagcctcttc	180
cggttatccc	ggcaccggtt	ttgccagccc	atcacttag			219

<210> 7119

<211> 273

<212> DNA

<213> A.fumigatus

<400> 7119

atacttcac	ctaatacagt	gcattgcctca	aagatcggtta	tctatttctc	tgggtggcttc	60
caaaccacag	ctaagcacgt	ctctagtctg	ccaagtatct	acataactcca	taattccacc	120
tacaatctct	cagccaaact	gcgtcagcca	tggctttcag	gttgcaatac	tttctttcag	180
aaccacgtga	ttacggggat	cattcggaat	cctctttctg	tatggagtaa	caaatacatgt	240
cttcaccacg	gggctggaag	ggtccgttcc	att			273

<210> 7120

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7120

ctttcttcat	ctcaagctca	tctggactgc	ggattaattc	gtaacacctc	acctaattgtc	60
tcaaaaaagt	gccaggcgct	cctagcctcc	catgtgaagg	tagactggaa	gccctataaa	120
tgcgcgtgtg	gtggacaaa	gcaagctgca	ccaaagctga	agttaggaga	gacagtgtct	180
ccttacacag	gcggcgtgta	ttcagtgaca	agcacattca	gtcagtgggtg	a	231

<210> 7121

<211> 582

<212> DNA

<213> A.fumigatus

<400> 7121

gagcctcgga	atctactgca	aacatttgtc	gaagaccaga	cattcgatcc	ccattatcag	60
tctgtcacta	tgtgggtcaag	cattgcggcg	ttccccgttc	ttgttctgt	cgctttggca	120
tgtctgggct	acgagggagg	agttcctacc	cccaccgtc	atcattcgaa	tagcgtgtg	180
attgaggttg	cggcggggca	agtcttcgac	gctgggtggg	ccaagtacga	ccggggctct	240
ggcgctgta	aaggccagtc	cgagggcgat	tggaggatg	ccgtattcta	ccttcactct	300

ggtgctactc	tgaagaacgt	catcatcggc	gccaaccagg	ctgaggggggt	gcactgtgac	360
ggtccgtgca	cgttgacgtt	cgtctggttt	gaggatgtgt	gcgaagacgc	catcaccatt	420
gtgagtcctgc	aggcacatat	acatatattac	tccgtcaggt	ttgatgatag	ggtagaaaaa	480
cgacaaggcg	ggccaggaga	cttgatcat	cggcgggtgt	gcctatcatg	cctcggacaa	540
gacgtccag	cacaacggtt	gtggtactgt	caatgtgagt	ga		582

<210> 7122

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7122

atcatcaact	tctatgccga	agactatggc	aaagtctatc	gtcctcgagg	taactgtgac	60
aagcaatgca	aacggaatgt	ctatgttgag	ggtactactg	ctcgcaacgg	cggcgaagta	120
gttgccatca	acctcaacta	cggtagacacg	gccactctaa	agaatgtgtg	cgccgactcg	180
gcccatacctt	gtgtatttaa	gcatgcgcgc	ctagaaggta	aggcgctc		228

<210> 7123

<211> 456

<212> DNA

<213> A.fumigatus

<400> 7123

aggcacgata	acacaataga	cagtaacgttt	gagatgaatt	gtcctatttg	ctctcgagtc	60
tcaagctcgc	gcctacgctt	ttactgcccc	acctgtgcct	gtaatcaaat	ctacacacta	120
cgtatcgata	atgccagggc	tctcctggag	aaggaaaccc	taggacggca	ggtcgagaaa	180
gcacttctgc	atcagacatc	tctactctc	tcttatcatc	gcttcgaaga	atgctcgacg	240
cagtcgccag	ataaggtgcc	cagtcctcag	gatgttctgc	aaattataac	cgcaaaggcc	300
gagtcctcca	ttaggaagaa	agaccttgcg	cttcagatcc	agcaactgaa	atcagagatc	360
agagaccgac	aacttggtcat	ttctcgacgg	gagctgacat	tagcccgacg	aacttcagat	420
gctgaatcgt	ccaaatttcc	actgggaaaa	tcttga			456

<210> 7124

<211> 1515

<212> DNA

<213> A.fumigatus

<400> 7124

tccgcaatta	gatttgcaat	ggcagcgcgc	cttccaccgg	cgggtgaagac	gagttcgaat	60
tgcatctca	gcttacccaa	gtggaaaagaa	tttctggatt	tgggttcaatc	tgcctatct	120
caaatgctca	ctaagccccg	tactgaggcc	gctgcctttc	cacttcacgt	actgctattg	180
tgtgtgtctt	caaaggaggt	gttcttgtct	caatggctct	cgggtattca	gagtcctcct	240
gcaaggctga	aagaccgtcc	aacaaggggc	cgggccctcc	aagctatgtg	ccgcctgttg	300
tggacatact	tctttcgcta	cacagactcc	ccaaccgtga	ccctccgaaa	agttgaggag	360
gttgccagga	tagccttgcc	agctggtaaa	aggctgact	tgagtacaga	tcctgcagtt	420
gccgagcccc	tcatacagct	ggttcgcatg	atcggcttca	aacacccccga	tgtctgcttc	480
cgcaacatca	tttttccctt	gataaactct	gacctttttc	tttccggaag	agagctcaaa	540
attgaacaga	tggagcccga	gaaaatggtc	atcggtatca	gatcttttct	ggcgatagtg	600
acggaccttg	agaactgtga	tcagctctgc	cctccatttc	ctactggctc	aatccccaac	660
ccattcactg	atatctctgc	tccgactcat	ttacatcgac	cccagcttct	cacagatccg	720
cgctgcccg	gttctatgga	gagtaaagat	acagcactat	cgttaoctgt	caatacatcc	780
agactaagcg	ataatgtcaa	ggaatattat	actcgttttt	gtgatatcct	tggcaagatc	840
actctgttat	gcgacaacac	attcgggtggc	caagcaacac	tagatgagaa	gttcggcgagg	900
acaactccta	agacaccaat	ctccgaggcg	tttagcttcg	gaaggcgtga	tgaccatcca	960
agtattgggg	atcaaaggca	gggtttctac	gatttatctc	atgtggcggt	acaggcgctc	1020
ccccgctgct	tatcagatcg	catcccatcc	aactcgctaa	ttaattttact	ttgtaccggg	1080

actgcacacg	ttcagtcgaa	catagcttct	tcttcgcgcg	aatccttgaa	ggcaatcgcg	1140
cgacagtcgc	acgctcaaca	agtcactatt	ggtttcgcga	gatttatatt	caactttgac	1200
gcaagatatt	ccaccatgtc	agacgaaggg	atgctcggac	caggccacat	cgagtccacg	1260
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ggtgcaacta	cagatcccgt	ggacaaatcg	ggcactggaa	gtcgagctct	gcagttggac	1380
ctctctactg	tcctcgcaca	cgttgaggag	atcgagtctc	atggcctttt	ctttctttgc	1440
tcccagtcga	gacgggtccg	tgcatttgca	atcactgtgc	ttcggctgat	caccgaattc	1500
gaccgcgctc	ttggc					1515

<210> 7125

<211> 504

<212> DNA

<213> A.fumigatus

<400> 7125

ttggctgtga	gaaaccctgt	attctgcaat	gacatcctca	caactaactt	gcccaggtgg	60
ccaagagtgg	cagataccac	ggtcgaagaa	accaaagccc	acatgatgaa	gaagggtgtc	120
aaagatcccg	acgcagccgg	tgctgttggg	cggttattct	tctttgtcat	tattcccaaa	180
aacgagcctg	atcgtattat	tgggtccctt	ggtgttaact	ctctgtcgcc	cgctccctcg	240
gtgggatacg	ccatgcatcc	gtcgtactgg	gggaggggat	acgccagcga	agccttacga	300
ggggtgatcg	acgcgtgggt	gaagctgcct	cgggtcgacg	gcttgggaca	tgaggagaaa	360
ttgttcgcgg	cggttaatat	agctaataaa	gggagtgtga	aggttttgca	gcgaaatggg	420
ttcaagattt	acaaggaagt	cgtgcttgag	ggggacacgg	tggcttgat	ggagttagag	480
agcgcttgcc	gagcgattcc	ttga				504

<210> 7126

<211> 309

<212> DNA

<213> A.fumigatus

<400> 7126

tccatcttag	gctacgatca	aggagtattt	agcggtatcg	tcgagaacga	agacttcctc	60
tatactatgc	atcatccagg	agatagcctt	atgggaatca	ttgtctccat	atataacctt	120
ggctgcttca	cagggtgtat	cttcaacttt	gttgcgcgg	aatggctggg	acggcgcgcg	180
gccatgtggg	ttgcaatgac	atggataatt	gtgcgttgct	gtgataactc	gagcttgcca	240
cgattgtctg	accagacgag	cagattgggtg	cctcgttgca	aacatcagca	ttttctgttg	300
cccacctga						309

<210> 7127

<211> 213

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (140)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7127

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gtcaatcctt	atatgtactc	ggctaattcg	cgggatagcc	ttctagccta	tggtatgtct	120
tcgccagggg	ctggaaggtn	cgacgggagt	gcaatgcaac	ctaccgccgc	cctctctggg	180
ggagaaaagg	cagagatatt	cgacgtcaac	taa			213

<210> 7128

<211> 327

<212> DNA

<213> A.fumigatus

<400> 7128

ccagacgagc	agattggtgc	ctcgttgcaa	acatcagcat	tttctgttgc	ccacctgatg	60
gtagggagggt	ttgtcacggg	cattggcacg	ggcattgaga	cctccaccgt	tcccatgtat	120
caagccgagt	tatgcgaggc	ttcgaagcgc	ggcaaaactgg	tgtgcagtga	gcctttgctt	180
gtcggcgtgg	gaattgtcat	cagctatttc	ttcgactacg	gaatgagctt	tgttggtggt	240
cagattgect	ggcgactgcc	cattgctgtg	cagttgatct	tcgctttcgt	aagtcgcata	300
ttgcggcaag	cgagaggtgc	catctaa				327

<210> 7129

<211> 210

<212> DNA

<213> A.fumigatus

<400> 7129

caatgtgtca	aggttgtgat	tattctggtc	tttgggctgc	cggagtctcc	ccgatactgt	60
tataaggaac	agcgcaacga	cgaagcgctc	cagattctaa	gcgatgtcaa	tggtcttcca	120
aaggacgatc	ccaagatcgt	ggcagaacag	aaagagattc	ttgaggcgct	cgaacttgag	180
acaaaacatg	gggggtataa	gtggaggtag				210

<210> 7130

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 7130

ccaggaatta	cttcatacaa	gcctatcatc	gataagcacg	tgggaattct	gttgacacgg	60
ctgccgtcac	agtcgaaggg	tccactgcc	gaggcaaa	ataatggtac	tactgcggtg	120
aatatggcgc	caattgtgca	tcaatgcaact	ctggacgcaa	tgcttgagtt	ggtcttcggc	180
cccaggctat	cggaacaccc	gtatagtgtat	acccctgctg	gcgaaggggt	atgttcaaac	240
ctgcgcatca	tgacaaaaat	ggcctggagt	ttctcacttt	ggccggcctt	tgggtggctc	300
atgaacacac	gtcctgttaa	tgcaatgtta	cgtcgaccga	cttacagcaa	gcaaggtgaa	360
ctcactggta	tggccggcct	catgggcgta	gccatgccga	gactcctgcg	gaaccgcaa	420
caagtggttg	cgtcttccca	gcccagtatc	gtcaagggct	ggctagaagt	ccctccggac	480
gatgcgaccc	gtatgactcc	agccgaagtc	gcgtcggagg	cgtccaaact	gatcatagca	540
ggaccaggaa	gcacagcggc	tgctctgaca	gcagttatat	tctatctggg	cacgaaagac	600
ggtcaagggt	ggcaggaaag	aattcgagag	caaattcgcg	cttcccagag	ccatgattta	660
gggccatcat	cgctggaact	ccaggcgggtg	attaaagaaa	cattgagact	aagcgcccca	720
ttcccgaactg	ctttcccccg	agtgattagg	cctggcgctg	agatggccat	acctagcctt	780
gccgctccgc	tgctgtctcg	aaccacggtc	tctgcgaata	catttgtgct	cggtcggctc	840
cgagaactct	ggggcaatga	cgctgataga	tgggaaccac	ggcgctggct	ggggagtgag	900
caacaccgtc	gagagatgga	gaccaaattt	gtagcattca	gcaaaggctc	gctggagctgt	960
atcggaacgc	agttggcctt	gcttcttctt	gcgcaggcag	tgattgggat	cgtccagcaa	1020
tggaaattcc	gcagtagggg	gcagttgcaa	ggcaaaaagct	tccttgagat	gcagtatgac	1080
gagtgcgtgga	ttaaattcga	gccgttggac	ctgtcgttga	gcgcatga		1128

<210> 7131

<211> 576

<212> DNA

<213> A.fumigatus

<400> 7131

ccaaccatag	gtaggttgca	gttaacagag	gttttctgcc	atagcgcaat	agttgacaat	60
atittgtgtc	tccatagtta	tttcaacctc	ggcaacggtc	ctaccattga	aggcaccaag	120

gcccatttgt	ccaccgccga	ctacctgccc	ctcgactcca	ccggtatccc	gcttggtaac	180
attgacaaat	tccctctgga	cgtgtccaag	ccatttgtac	tcggcgcggc	cgagcccagc	240
attgacgatg	tgttcctgat	ggagactgat	ccatccaagg	tcgttttgga	tacgcgcagt	300
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cacagcaccg	agcccgctt	ccagttctac	acgggcaagt	acatcaacgt	gcctgcgatg	420
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aatgcgccca	acgagcctgg	atggcggtcg	atggtgcttt	tgacaaagg	acagatcttc	540
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<210> 7132

<211> 645

<212> DNA

<213> A.fumigatus

<400> 7132

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ctcagcaagg	acggcgagga	aggcttcccc	ggcacagtgg	aagtgcgagt	ctggtacacc	540
gccagcaagg	aagactccaa	gacagttcta	actaccgagt	atgaagttga	gtttgtgggt	600
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<210> 7133

<211> 342

<212> DNA

<213> A.fumigatus

<400> 7133

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tggaatgtat	gccatacccc	cttagcacia	cccttcttct	tcttcttctt	cttcttcttc	300
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<210> 7134

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7134

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gccagcaccg	acccatcgac	ctttgactac	gtacgtcccc	cttccctcat	ctaccctaaa	180
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<210> 7135

<211> 678

<212> DNA

<213> A.fumigatus

<400> 7135

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<210> 7136

<211> 657

<212> DNA

<213> A.fumigatus

<400> 7136

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<210> 7137

<211> 1401

<212> DNA

<213> A.fumigatus

<400> 7137

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<210> 7138

<211> 726

<212> DNA

<213> A.fumigatus

<400> 7138

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ggcgatcgca	acctggagtt	cgtggcggcg	gtagaagttc	gacaagaaga	gaacaatgcc	180
cggaaagagt	ccaccttcaa	gcaagccgag	gaagaaccga	catgcgagga	ggccggagta	240
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gaggatacgg	gggccgatga	tcttcagcag	gaggttggag	ggaagtccag	acaggacgta	360
ggggacatag	gtgacggtaa	tcgctgcgca	gtcagaacca	ggccaccagc	aatcgaggac	420
ggtgcacaca	acataacctgt	cttggtattgc	agatcggtca	aatggagggtc	cttttccaga	480
ccggcctatg	ctcggcttag	caacagatct	ggaggtgacg	gggagatgac	tcaccactcg	540
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cataagcaaa	aggtccagcc	ggagaagagt	ctggcggtcg	agcttcaatg	tctcctcgtc	660
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aaatga						726

<210> 7139

<211> 957

<212> DNA

<213> A.fumigatus

<400> 7139

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<210> 7140

<211> 528

<212> DNA

<213> A.fumigatus

<400> 7140

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gatgttgctg	gactccgacg	tgtgatccgc	ggcgagaaaa	gcgattatgt	ggaaggggta	420
cggacacccg	gcgaaagctt	gtacctttcg	actgatcgag	gcacccctgga	gtcgagggag	480
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<210> 7141

<211> 252

<212> DNA

<213> A.fumigatus

<400> 7141

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tatctctacc	tctataagaa	tgcgtctcag	cagaagctaa	ggatcgaaagt	tgccaacaat	180
cctgggagtt	cggatcagga	tgcattcaac	ggatgtcagt	tctctgattg	tattctccag	240
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<210> 7142

<211> 1164

<212> DNA

<213> A.fumigatus

<400> 7142

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<210> 7143

<211> 330

<212> DNA

<213> A.fumigatus

<400> 7143

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<210> 7144

<211> 282

<212> DNA

<213> A.fumigatus

<400> 7144

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gagaaagacc	gctcggtcga	cctcaagggtg	tatgccgatg	ccatcatcgc	ggcctgggat	180
ccgtacatgg	agctgtctct	cgcacccgac	gtgacgccag	atgatctgcg	gcccatacacc	240
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<210> 7145

<211> 291

<212> DNA

<213> A.fumigatus

<400> 7145

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aattttctctt	tattcgagac	gctgactcgg	atagcgagtc	caactgtggc	cggatcaccc	180
gccgcaatca	ctgcgaatct	ggtcttattt	ggttatatct	acgtggcggtg	gctagatgat	240
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<210> 7146

<211> 780

<212> DNA

<213> A.fumigatus

<400> 7146

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<210> 7147

<211> 525

<212> DNA

<213> A.fumigatus

<400> 7147

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<210> 7148

<211> 555

<212> DNA

<213> A. fumigatus

<400> 7148

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<210> 7149

<211> 1023

<212> DNA

<213> A. fumigatus

<400> 7149

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<210> 7150

<211> 534

<212> DNA

<213> A. fumigatus

<400> 7150

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acaaccgcga	ggtcagcccg	cgaagaacag	aaacggcggg	aattggaaac	tgccggtgat	420
gcattcctga	gctacatccc	ccctcccaag	ccaccgatca	aggcgaagga	agtcccagtg	480
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<210> 7151

<211> 192

<212> DNA

<213> A.fumigatus

<400> 7151

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gataaccac	ctacgaacct	gaaggctagg	cagaaggggt	ctgttcggag	actggggcct	180
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<210> 7152

<211> 1530

<212> DNA

<213> A.fumigatus

<400> 7152

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<210> 7153
 <211> 1029
 <212> DNA
 <213> A.fumigatus

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<210> 7154
 <211> 762
 <212> DNA
 <213> A.fumigatus

<400> 7154
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 aacatctcc tctcttaca cggcctcggc gacacagcgg cagccttcac ctcttcgcg 300
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 cgcgagtgcg agtgcgagtg ctggtggtgc tgcggaggat acgtctctgt ccggggcgat 660
 ttcgatcggg gcgccgtatc ccctgtctgg aagtacggtt ggagcgaaga accggacgcc 720
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<210> 7155
 <211> 183
 <212> DNA
 <213> A.fumigatus

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 tgcatacagg gcatcatctc ctcccgggtc cgcgcatcc catccccctt ggcgcgtac 180
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<210> 7156
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 7156
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 attctttctg acatgtggga atctaaggta gaggtctatc gtccggacgc tctccgtcca 180
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<210> 7157
 <211> 2826
 <212> DNA
 <213> A.fumigatus

<400> 7157
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<210> 7158

<211> 264

<212> DNA

<213> A.fumigatus

<400> 7158

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actgagccct	tcaagctgat	gaatgtttat	agttatgtct	ggggtgatga	cgttgccaaa	180
gccaaagcac	agtgcgagag	cttggattat	ctcttccagc	tggctgttga	aatgcacaag	240
cttggccttc	catgggtcaa	atga				264

<210> 7159

<211> 294

<212> DNA

<213> A.fumigatus

<400> 7159

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aagggatatcc	ctggagggca	aggggaaggg	catgctgggt	ttcttcgaca	caatttagga	180
ttcctatcaa	ttgagaacac	tgcattggag	gaggatctca	ccgaaagctt	ggagaaggcc	240
atggaccagt	accgggacac	gtacgctgtc	ctggtgagga	gacacggaat	gtga	294

<210> 7160

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7160

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cctttccagg	acaatccaca	caccacggct	gtcttcaagg	caaggatgca	ggtcgaagtc	180
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<210> 7161

<211> 438

<212> DNA

<213> A.fumigatus

<400> 7161

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cttattgcgc	gcagtcgccc	ttctatgata	gggagtcata	ccgttggccc	ttcaccagtg	180
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<210> 7162

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7162

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agcagccctt	actctaatat	atacctacta	cctttacaga	attattcaca	gaatagcttg	120
acaggcttag	actactactt	acctctgaga	ttaatatccc	tatatataat	aaaggtaata	180
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<210> 7163

<211> 378

<212> DNA

<213> A.fumigatus

<400> 7163

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gcaaacaact	tccaccccc	gtcgggctgt	gtggttgcct	gtcggccct	gaagcaaaag	180
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atgaagagca	caatggtcca	gtcgcagctg	caggatctcg	aggagcccaa	gggcgaatgg	360
gaatgcgctg	accattga					378

<210> 7164

<211> 273

<212> DNA

<213> A.fumigatus

<400> 7164

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agtcctgggt	ttgatcttga	tttcaccgac	accgcgggcg	atggcccaca	agaggaggat	240
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<210> 7165

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7165

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tcctccttgg	gcgagatgac	cgctctgatg	ccggtcaacg	ccccgatgat	ggaatttcca	180
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<210> 7166

<211> 213

<212> DNA

<213> A.fumigatus

<400> 7166

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<210> 7167

<211> 594

<212> DNA

<213> A.fumigatus

<400> 7167

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<210> 7168

<211> 192

<212> DNA

<213> A.fumigatus

<400> 7168

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atcttctatc tgctttgcaa gggaatgata atcaaatccg gagagcataa agagacgcgt 180
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<210> 7169

<211> 669

<212> DNA

<213> A.fumigatus

<400> 7169

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acgctgaatc accggcgtag taccttgatg tgtcgaacag cggttaatgg caactcagct 420
tcaagcgtga tcaaggcctt aggaggtagt atcagggtca gaaaggccac acgcaagcca 480
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gtgaaagcat atcccgtttt tcgccagtca atggaacgaa ttgatgcaca cttgattcga 600
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atggcctga 669

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<210> 7170

<211> 360
 <212> DNA
 <213> A.fumigatus

<400> 7170
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 cccatgtatc aatgcaccaa tgctggccag tgcgcgcca tgatggctaa tgcagtgtca 180
 tactttctcg accttaaggg cccagtgctc acagtcgata ccgcttgctc ggggagttta 240
 gtcgcactgc atttggcgtg tcaatcttta cgcactgggg atgctgcgat ggcaattgcg 300
 gccggagtaa acgtgattct tagccacgaa ttcattgtcca ccatgaccat gatgaagtag 360

<210> 7171
 <211> 399
 <212> DNA
 <213> A.fumigatus

<400> 7171
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 cttctaagct cctggggcat agagccagat tccgttactg gtcattccag tggcgaaata 180
 gccgcagcgt acacgatcgg agcgttaact atggaggacg ccatatccgt tgcatactat 240
 aggggtgttg ctgcaagcaa actttttgcac aacgatgaag ttaaaggagg aatgctcgct 300
 gtcggagtgt caccgcacca gatagcaccg tttctggaca cattgaaatc tgtcttcacc 360
 acggggctgg aaggatcgac ggaggtcagt acattatgc 399

<210> 7172
 <211> 564
 <212> DNA
 <213> A.fumigatus

<400> 7172
 atactatcca ggtttctgtc accggaagga cgctgctaca cattcgacga gaagagcaat 60
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 agagataaag accctatccg agctgttatc aggggttctg ggtcaaataca agatggcaga 180
 actcccggca tactctccc gagtggagcg tcacaagaag cgttgattcg ccatgtttac 240
 aacatggcag gtcttcatcc acatgatata gaattcgctg aaacgcgatg cacaggaact 300
 aacgcaggag atcccacga gacaggagcg ctgcgcagag tgttttgcgt cggtagaaac 360
 tcagacaaac cactgcgcac cgggtccatc aaaacaaacg tggggcatct ggagggagca 420
 agcggagtgc caggcgtgat caaggcagtg ctgatgcttg agaaccgcac tttcctcccc 480
 aaccgcaact tcaattccct caactcacgc atcctgttgg acgaatggaa gcttaaggca 540
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<210> 7173
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 7173
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 accgcgctca cagtcacgtt tggcatcatc ttcttcgtct acatgatgat ccaatgctcg 180
 ccggtgtcct atttctggac ccggatgctc ggcaatacct ctggcaaata cggatacgtg 240
 gatgcgatca tcatcctgct gtaccttttc agcgcgtcat ctgcgctttt cgacctgact 300
 gtgggcctgc tgccgatctt gctcgtgcgc aatctgcaga tgaaccagcg gaccaagatt 360
 gcggttcggt gtctcctggg catggcatgc atgtacgtca actgtacctt tacgtga 417

<210> 7174
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 7174
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 agttgtcaac tcccaccagg aagcaagcta aagcccacag ccggtgtcac aacagagaag 120
 actactggcc catggttcgc attctcaaag ctccctaagcc aggacactat tggccacggg 180
 tatggctcct aa 192

<210> 7175
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 7175
 atcgcaatct ggtccaacat cgaaactggc cttggcatca cagccggcag tgtcgccact 60
 gcccgccctc tcttcogtat cctccacagt cgcaatggct cttcctaccg catcttcgcc 120
 tcctctgggt tccagagcag gagacgccag caccagtttc ccctgggtga tctcgaaagc 180
 aacacctggc ggtcccccta cgaccccgacc aagagcaac 219

<210> 7176
 <211> 471
 <212> DNA
 <213> A.fumigatus

<400> 7176
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 gcctgcttcc aatgcaactt tggaaagtgt acacggctct accatgccac atgtgcttta 180
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 gtaggagatc tgggtgcaatt ccaggcagac aaggaaatta acggtgcagt ggtcctgcaa 420
 aatcgacctg aagaacgaac tctattgggtg aagattcttc caccgaggta a 471

<210> 7177
 <211> 1437
 <212> DNA
 <213> A.fumigatus

<400> 7177
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 ttgttgcccc ttcttcctcg ccagcacaac caccacctt ctctgctgt agccggtaac 120
 cgctgcccgc gccagtgtcg ctgctgtgct tgcccacatg ccttccctt catgcaggga 180
 cctcctcttg cccctcctcc tactgctgct gcccctcgtt cctcctcttc ctgcactgtt 240
 gtttctgctg ctgctgcttc tgcgatgccg tcggcctatc gaaccttacc cactcagtcc 300
 gctcgccatg ctccgtaccc gcaagtcac aaagcacata acaaccacca ccaccacca 360
 caacatccct tctaccattc tccgcaacct ctccaacctc ctcagcagca gcagcagaac 420
 aacaccaaca acaaccaccac caccaccaat accgccagca ccaatgggct ccccgccaat 480
 accttcgcca atgttcgtga gctcattgct cgccgtcgcc tggcgcaaat taccgaccat 540
 gccaatgtct tcgcccggta taccatcgct agccctgagc tggtagttga gacgctgctg 600
 ggtcccatgg gctcgggtccc accacctaat ggtctggaaa agctcgagct tgccatggcc 660
 cagcagcgtg tacagcctag ggctcctgat gggaccttgc taccattgca accgctgaac 720

atgcgatcgg	aggaagtcac	cagacttttg	cagatgctcc	gattctcact	tgtcagtcac	780
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tgtccagtt	tcagtcggtc	gcacatcgag	ttccagtcgc	ccaatgattt	caccagtcac	1320
gggcccgaag	ctcaccacga	tcatcatgac	cttttcgggtg	accaacaggc	gaacacacgg	1380
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<210> 7178

<211> 474

<212> DNA

<213> A.fumigatus

<400> 7178

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tgcagggacc	tcctcttgcc	cctcctccta	ctgctgctgc	ccctcggttc	tcctcttctt	120
cgactgttgt	ttctgctgct	gctgcttctg	cgatgccgtc	ggcctatcga	accttaccga	180
ctcagtcggc	tcgcatgct	ccgtaccgcg	aagtcacaa	agcacataac	aaccaccacc	240
accaccaaca	acatcccttc	taccattctc	cgcaaccctt	ccaacctcct	cagcagcagc	300
agcagaacaa	caccaacaac	aacaccacca	ccaccaatac	cgccagcacc	aatgggctcc	360
ccgccaatac	cttcgccaat	gttcgtgagc	tcattgctcg	ccgtcgcctg	gcgcaaatta	420
ccgaccatgc	caatgtcttc	gccgggtata	ccatcgtcag	ccctgagctg	gtag	474

<210> 7179

<211> 366

<212> DNA

<213> A.fumigatus

<400> 7179

tcgcagcgcg	gttcctgcc	gccccgtggc	gaagaccaa	ttcgacagg	aaatatgtcc	60
ggcaacccat	ttgaagagcc	acctcggcga	atcagcgagt	atacggcgca	ggaaattgct	120
acactccaag	cagctctgga	taagaaactg	ggccctgaat	acatctcctc	gaggcctggc	180
gcagcgggac	agaagggtgca	ctatctatcc	gcagacaaat	gcacaaatct	tgccaacgag	240
gtatttggct	tcaacggctg	gtcgagtctg	atacagaata	ttcagattga	ttttgtatgt	300
ttgatgaaac	atatcagaat	gcgtccgggc	ggcggtagg	cgaagttgct	aatggatgct	360
ccgtga						366

<210> 7180

<211> 312

<212> DNA

<213> A.fumigatus

<400> 7180

aggatgggtac	ttaccatgaa	gtatgttttc	aatgggtgct	tcattttagt	cgttcttact	60
aattcgtctg	gattaactca	ggatatcggt	tacggctcata	ttgagaattg	caaaggaaag	120
gctgctgctt	ttgaaaaggc	caagaaagaa	gggactactg	atgcacttaa	acgtgcgttg	180
aggaattttg	gaaacgtcct	gggtaactgc	atatacgaca	aggattatgt	tgcgaaagtt	240
accaaagtga	aagccacacc	tgtatgttgc	aaacctcagc	ttgataactca	aacactgtct	300
tgttctgact	aa					312

<210> 7181

<211> 1044
 <212> DNA
 <213> A.fumigatus

<400> 7181
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 tttgacgagg ccgattttgg agttacggct tctgggaacc ccgatgagat agtactggga 120
 ccagaaacac aagcaaaacc acagccacca actcctgtaa agacaggccc tcagggggaat 180
 tttcacgccc caaaccttgc agtcctaaca ccttcaggcc cagaaaagcc attcaaccaa 240
 acagtcaaca acagacagcc ttccgtcctg ccctctctca atcaaagaca taatcctgcg 300
 ctgcaaaacc aatatgccgg acaaaggcaa cctgtcccgc aaggacaaca gcagaacttt 360
 caaaacagca gaatggcgcc cccagatcaa ccaagaacta gccaaagattc aaacttgcca 420
 agcgcagcag ggcaaatgcc tgtcaagcga gaaatcgatg cttaaagctca ggacacagct 480
 ccccccgcca gttcacccctc tgtttctgct gctctattct tttcagctcg agcagtagat 540
 ttgttgccggg aaaacccaca tactgccgtg aatgtctccc aatttgatcc tcacgccgaa 600
 agtccctcga tccgcaagac agcaggcgct gatcatagca agagtgtccc gatatcgaag 660
 ccaatgcttg cggcagcctc accagcttca aacaatacgc gcgactttat caatccttcc 720
 acggacatgc atcggaaaat tggcgcccct ggtggtattg gcagtccaat gatgaaccgt 780
 ggtcagacga cttcatcata ccgcccactg actcggcaaa atctcgatcc aaaacaagct 840
 ataagcaacg cagctgcaga cagagccggt tttggaccac ccaatgttaa tgggaaacga 900
 ccacctttaa gtgacgtgac gaatgcattc gtctctggca gcagcggggc tgcttcagca 960
 gtcaatgcca atgatcccaa aagacccaag attgatggga attcgacgcc atccttaccg 1020
 ccgcagcagc aacagcagca atag 1044

<210> 7182
 <211> 786
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (26), (307)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7182
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 caaattgccc gtttgttttg gggaccgggt tccggggcgg aatccgattc cttttggccg 120
 cccccgcgcc ggtccaatgc cgctgggctt tctccccaag ggccgggcatt tcttggcgcg 180
 gtacgtcgaa cgggtgcaacg accccgcccg tccgcaacct tgtcaccttt cggcagccag 240
 cacaatggat tcgccgagtt tcaggagtgc gcgtggagtg attggatctg ccggggggcg 300
 gaggcgntgc tacgcgccag ccggtggctg agtctcgcg agtcacgggt cgtgcctgcg 360
 cagtacttcc gcgatccgga ggagctggat gcgtacctcg agcatagcaa tttccttgca 420
 gacataaaca acgagcgtgt gctgaagaat aaaaggtacg cagagaatct ggcgggggtg 480
 aatcgctttg cgatgtatat gtttgaggac gataccatgg tgaatccgaa ggagagtgcg 540
 tggtttgccg aggtgaatag gacgaacggc gaggtgacgc cgctcaagga gaggcgggtg 600
 tataaggagg actggctggg gttaaaggcg ctggatgaac agggaaaagct ggactttagg 660
 actgttcccg gtggccatat gcagctagct gaggagaccc tcgagaaggt gttcaaggag 720
 tattttgggc cggttgaggt ggagattcct ccggttaata ctctgctcaa gcagactggc 780
 ttgtag 786

<210> 7183
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 7183

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acatcactgg	cggttagcaac	atcgaagtct	ccggcctccg	ccagaaaaac	ccccccaacg	120
tgttcaactc	gggtcaaaggc	gacacgcagc	acgttacctt	caagaacctc	tgcattggacg	180
caacctccaa	ctcccaaaat	cctccgaaga	atactgacgg	attcgacatc	ggcgccagca	240
cgcatgtcac	catctcgtcc	gtcagtgtga				270

<210> 7184

<211> 426

<212> DNA

<213> A.fumigatus

<400> 7184

atgcacaaga	tgctgtatcc	tcgcaatctc	gctcttttct	ctcttttaag	cctcagcagt	60
gctgctccct	cgaggttga	gcgctctccc	gatgcagtgc	tcaagcctcg	cgccgtctgc	120
acgcccacgg	ctggtggaag	tccttcgata	gacgatgtac	cagccatcag	gaaggccatt	180
gcctcgtgcg	gcaatggagg	cacgatagt	ttccccgctg	ggtcgacct	ctatctgaac	240
agtgtgctgg	atcttgctgg	gtgttcgaac	tgcatattc	aagtcgaagg	ggttctcaag	300
ttcagtggct	ctaccgagta	ctgggggtggc	aagaccgcta	tgctcaacat	cgatatgatc	360
aatggcttga	ggctccgatc	gttgacgggg	tctggtgtca	tcgatggcaa	tggaacagaat	420
cggttaa						426

<210> 7185

<211> 456

<212> DNA

<213> A.fumigatus

<400> 7185

cggggtctgg	tgctcatcgt	ggcaatggac	agaatgcgta	aggtgcattc	atctgtgagg	60
ttgatgccgg	agctgactcg	atacagatac	gatcggtttg	cctccgataa	gaactataaa	120
cgtcccacgc	tgctttacat	cactggcggt	agcaacatcg	aagtctccgg	cctccgccag	180
aaaaaccccc	ccaacgtgtt	caactcgggt	aaaggcgaca	cgcagcacgt	taccttcaag	240
aacctctgca	tggaacgaac	ctccaactcc	caaaatcctc	cgaagaatac	tgacggattc	300
gacatcggcg	ccagcacgca	tgtaaccatc	tcgtccgtca	gtgtgacaaa	cgatgacgac	360
tgtgtggctt	tcaaaccggg	ctccaactac	gtgacagtcg	aagacgtcac	ctgcaccggg	420
tcgcatggta	tctccgtcgg	ctcgtcgggc	aaaagc			456

<210> 7186

<211> 747

<212> DNA

<213> A.fumigatus

<400> 7186

gtggctaaaa	agagattcag	atggcattat	attctcactg	gtcctcctgg	aacaccttac	60
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gcaatccgta	tgacactcc	aagtggccgg	ttccaaccgt	cgtctcgact	gtgcctcagc	180
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tggaatgagag	aaaaccgcat	tgatacaaac	actgggcagc	tgataccgga	ccctaactct	540
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gctcgtcgaa	acaagatctg	gattggtctc	gccctcatat	ttggctacgc	acttcttacc	720
aggctgggtca	acgatgtcca	agggttga				747

<210> 7187
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 7187
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 tcagtgtata tcgaccagtc acaagatgcg aagtcgcaaa acggaatacc caacatcgat 120
 gtctttttct ctgaaaagga aaagtcccg gtactccaga agacgggaac agacggggaa 180
 aacggggggg ttcgccaaag gaattttgat gggggggagg tgaggggggg gagaagagac 240
 tta 243

<210> 7188
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 7188
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 gaccagaaag caccagagc tgatcctcca agaggttcag ataaactaga agatctgtac 120
 atcacagcca ttaatactaa taatcgatat gctgggtgata tcaccttgca agcatacctt 180
 ttgacattgt atataattat ttcagtcaca tgtgaccgcg cttacaacaa tcacatttaa 240

<210> 7189
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 7189
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 ccactatcac cgaaatgcag caagccggca cagccctcta cccactcgat gaggtggaat 180
 tcggccgccc cctcgccatt gaacgtgaac tcgagaatcc catcaccag cccaaaatca 240
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 gcatcaacac ctacaccaac cgcgtgggtcc gcgtctacac aaaggacgaa cccttcgccc 360
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<210> 7190
 <211> 1077
 <212> DNA
 <213> A.fumigatus

<400> 7190
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 gtccgagtct tcgacttcgc gacgggcaag ctctaccgga aatacgatga atccatcacc 120
 actatcaccg aaatgcagca agccggcaca gccctctacc cactcgatga ggtggaattc 180
 ggccgcccgc tcgccattga acgtgaactc gagaatccca tccccagcc caaaatcaac 240
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 cgacttttcc cgcaggcggc gcccaaggct gttgagaatt tcgtcaccca tgcgcgtaat 720
 ggatactaca acaatactat cttccaccgg gtaatccgca aattcatgat ccaggcggt 780

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accaacggca	gtcaattctt	catcacgacg	gagaagacac	cttggctgga	cggtaaacat	960
actatttttg	gacgtgcggt	gcaggggttg	gacgtcatat	acaagatcga	aaacaccaag	1020
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<210> 7191

<211> 1260

<212> DNA

<213> A.fumigatus

<400> 7191

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acccgtccgg	aggggtccga	gaccgtcgtg	cctatcagtc	gagatgttgc	gatacagctt	180
gcgggaccgc	ccgaggggggt	ggacaagtcc	ctgtggctct	acgaactctg	tcgtttcctc	240
accatgaaag	taaataacct	gatcgttget	ttcttcgccc	aaaatccgcc	atgctccgcg	300
caaacgtgtc	ctgagatgcg	tgcacccgag	tggcagatgc	tgtgcgccgt	ccatgacccc	360
ccgaaatcct	gctgcgcgat	tgactactgc	tgccatagcg	tcgattgggc	caccaacatc	420
ctcacatctc	caaagcattt	tccaagtccg	cttacgctgg	gttccgaggc	aggcgggtggc	480
gcgcaggcaa	gcctgaggta	cctgaccaac	atattccgtc	gactgtatcg	catcttcgcc	540
catgcctggg	tccagcaccg	ggatgtgttc	tggcagggtg	aggggaatga	tgggctgtac	600
atatttttca	agacgggtgtg	cgatatgtac	aagcttatcc	ctgaagacaa	ttatacagtg	660
cctgctgaag	cggaggggact	cgatgccaat	cagtcaatgc	aggagcaggc	gggcaaccgt	720
cggatgacga	tcctacgaaa	ggacagttag	ggcccgttgg	agaacattga	gccttcgtcc	780
ataagcactg	gtgcaaccac	ccggcgccac	aagaatagcg	cgtccatcag	ttcccacgtt	840
acgacgatca	gtgaggggtg	ggaggaatca	gaagagcaac	cgaaggcgga	gcctgtgata	900
aagtcaaagg	atgaaaaatc	tactgaggct	gtaccaaagg	ttgagtctga	accacagcct	960
gcagaagagg	ttgtaagtga	ggagcaaaaag	gaagctgccc	atgcacccgt	acaagacccg	1020
gccgagtctc	aggataccgt	tgaagagggtg	caagaggacg	aagaggggaa	gccttcaaatt	1080
acgaatacag	aaacggcagc	aaaggatgag	ccggaagccg	tccagccgcc	tgaggagcca	1140
gaagcaacca	aggccgagga	gtcgcgagca	gacacgcaag	ccagcgcaga	agacagccca	1200
gaagccaagc	gaagagaaga	cccaacagga	gcctggagct	cagtcaacaa	ccgagcctga	1260

<210> 7192

<211> 195

<212> DNA

<213> A.fumigatus

<400> 7192

aggtcacctc	catcccttca	ccagaagatc	atcagtctga	cagtccgcaa	ggtcttccac	60
ctcacaccgc	tctctctcgc	ccttgtaaac	ctcaaaccga	tctctccggg	ccacgtcttc	120
gttttccccg	gccggcgcg	tccccgcgtt	gcggacctga	ccgccgccga	aacgagcgat	180
ctcttcctta	ccgtg					195

<210> 7193

<211> 216

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7193

agcgagcgca	accacaaaaa	cgngttttc	tctgttagac	agactgtctg	ggccttctca	60
gccaagtctc	actaccggtt	cttagagtgc	gcactattcc	attacaaggc	tagtgcaccc	120
acaactagct	cgagagatc	cacaggctta	ctctgcctgt	cggcctgcag	cctgcaacct	180
gcagcactgg	cctgtccact	cgtttgcttt	cgctaa			216

<210> 7194

<211> 405

<212> DNA

<213> A.fumigatus

<400> 7194

acctcattct	tcttcgtttt	gtcgccctctt	ttattttcat	ttttattatt	tcccccccc	60
cttttccttt	ttcatttttc	cttttttctt	ctcttttttt	ttacctccg	ttttgtggtc	120
aatttgtttt	tccttttttt	cattaccctt	ttcttttact	ccatacctcc	cccgaattac	180
ggaggaatta	ttattactat	tattattatt	tttatcgcac	ttgaccttt	ccagagcagc	240
acccaaaatt	tcccgcgcga	aattcctccc	ccgcgctggc	tagaccagg	tcggtcgctg	300
gttttgactg	tggagtggtc	tggatactca	cgcttcttgg	gtttgggttt	ggtttggttg	360
ttgtgcttgt	tcttgttcag	ttcatttatt	atttggctctg	tctga		405

<210> 7195

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7195

ttatcctctc	ttccttatat	tattcttctt	attattatca	ctggcgctgg	ctctgcctct	60
tcgtttcttc	ctctcctctc	ttccactctg	actgttctac	ctatcagtgc	catcagtgtc	120
ctccgaataa	taccacaatc	cgatcacttt	catcggttgc	catcaccacc	accatcgagc	180
cacaacagtc	ttcaccacgg	ggctggaagg	atccgacggt	ggttctag		228

<210> 7196

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7196

atgcattgtg	acgccttttt	ttcctggatt	ttctattttt	tctggacggg	ccctctctcat	60
gtctccgtca	catcgcttaa	ggaaggcaca	atccagtggg	tcgagggaga	aaaaagcgtc	120
attgtggagc	ttaccatacg	ctttaccata	cgtgacaaca	gtacagtacc	gccattttctg	180
ccgagctag						189

<210> 7197

<211> 396

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (201), (227), (257), (370)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7197

ctccaatggt	catccatagg	ctcaaacctt	tggtatatac	ggagtattgt	cccttgccaa	60
ggatatatac	ccacaatctg	caacaacacc	agaatgcag	atgctatggt	gcgtcgggaa	120
attcgtggat	gcttcccacg	ctacgatcaa	gcctgcagag	taaacataag	cagacaaagt	180
gccatgcgta	atgagtcaca	naacgtggat	aggttggcgg	atatcanacc	aggaataacg	240

tcaaacgggt	tcctttntgc	gctagacttg	agtgagtcgg	tagcccgaac	catggtagat	300
cttgatagcc	ttgtggaaga	caacacttat	gaggacactt	ttctagacat	acagactatg	360
aaggtctcan	agcaatatac	aattgtctca	gcttga			396

<210> 7198

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7198

acggtcacgg	tcttgaaata	tctgatcaag	cagtaccggt	tgccgacctt	gtattttggg	60
atcgctaata	tcacgctaag	cgccctgggt	atgctaaggt	ttgtcgatgt	atctcctgca	120
gctatacatc	tgtcacgggt	gctgactggg	ttgctacagt	actattgttc	tatggatctc	180
gcagaacata	gaggatga					198

<210> 7199

<211> 1593

<212> DNA

<213> A.fumigatus

<400> 7199

tacaggagac	caactctcgg	aagaggaggc	ggtaccaaga	attgcaagat	atccgggggc	60
ccagattctc	ctgtcgggtc	ctcgcacttg	catgttccat	cctctctacg	caatgaggat	120
cttcgtacaa	cctcgaaaag	cccattgtcg	tcgagagcac	ggagtggaga	gcgatccggg	180
gtctcgatgg	cctctgagcc	atcaccgaag	aggccaatac	ctagggcagg	actatccggc	240
gtacaagggc	aagatgaaga	accgagcccg	tttggttagc	atgggtgctc	ttggctgagg	300
aaggatcggg	tctggatcaa	ttcccgaat	gttgatcctc	ccacatcccc	tacaactact	360
gtcttcaatc	gccaatccga	tatgagagct	cgtgcgacta	tagttcgctc	atccaaacgg	420
cgatttccgg	gcaacacaac	tccgcctcaa	cgatattcca	gcatagatcc	gtccactagc	480
gcggaatctc	cagtccacat	ggtcaccgct	caaggattca	ttgctagcga	ggatagatcg	540
aaggggaatg	caacgggagc	gatgcataat	caatcagtaa	acgggttggg	cagacagtgc	600
actgtttcta	acgaaagaat	gagcagctca	cttcagatcc	tttcgctcgt	gtcacaactg	660
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tccccgatgg	tcctggacaa	gagaaagcca	tcagtagtag	ctgaggtaga	gaaggcgccc	780
aatatcacgg	ccgatcgctc	gactcaagcg	cttgcaactg	gaaacgtctc	attcgcagat	840
gcagcggacc	tatgccaaac	ggaaagctcg	caggcatcac	atcttctggc	aaaggatgag	900
accacgggtt	ccaatcctcc	cgatatggaa	acagtccaca	attccaaggc	agccagatcg	960
atgcagggca	gtactagcga	aaggttacat	tctgcccac	gagtacctgg	aaactcggcc	1020
atgatggatt	gcgttacgtc	actgcatact	atcgctgtgt	cgaaagaaca	tacagagtat	1080
gatggtgata	ctatcccaga	ggcccaattt	tccacgcagg	cagctgttct	actcgctcag	1140
aggtcttttc	agaaggactt	ggaaagcccg	gaacccgagg	agcttctctt	gcgccggacc	1200
cctagccctaa	gtacatctcc	tgacatgaa	atcacaccgt	tctgtcaagt	gaatactccc	1260
ggcgagggtga	agatcacaaa	taagttatca	ggacctgcgg	ggaccggatt	accattgatg	1320
agcacgcaat	gcatcatcga	tgcaagtcact	cctttcactt	ttagtacaga	taagaagagt	1380
aactaccgtg	ttatctcatc	ggcaaagagt	cggtcaggga	gaaggaaatc	agaggggtgtc	1440
aactttccta	ctggcatagc	gccatccatg	caccgatcac	catcgccgag	cataagggat	1500
cactcagagc	tcagaaatcc	agatgccgac	aggaacatcg	acgatgactc	caggggtcttc	1560
accacggggg	tggaaggatc	cagcgggtgg	gca			1593

<210> 7200

<211> 1236

<212> DNA

<213> A.fumigatus

<400> 7200

aagtacgcgc	ttcgcttgat	caaagccccg	cagagcctcg	tcagtctcgt	cagcttcctt	60
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cttatttcg	aaatccacac	attcaatagt	tgcattcaag	caagcgattt	cgccatgttc	120
ctctctaaac	tcccaaata	agtcgtcctt	ctaatacgccg	cccatctggg	ctgctacagg	180
gatctcaggg	ccctcgtgct	gtcctctcgt	aaacttcatc	atctcctgaa	agcacgtctg	240
agcaaacaca	gctaccaagc	ctgccatgga	gatgcactat	gctgcgccgc	agcccagggg	300
gatgaggggtc	tgcgccaggga	atgtctaaag	aggatgacaa	tgcgccgccga	gtcttttccaa	360
gggtcccgctg	tgagcaatcc	gtacaaacac	cctctatgca	ccaccaactg	gagagtcgag	420
gattcgggtac	ttattcagcg	tgcgctgctg	gtagccgtgc	aagctgggtc	aaaacgcgta	480
gtcaatcttc	ttctcgacca	cggcgcgag	accatgttcc	gggtccgat	gggctacatc	540
aacaacatcc	caccgcttta	tctcgccgtg	cagaacagtc	acgaggacct	tgtggacttt	600
ctatgtgaga	ggggagatcc	atgctacaga	gagaatacgt	gtccgctcct	ttgggcaatc	660
gagcataatc	agcgccggat	cattcgcacc	ctcctgcgcc	acgaatcgtg	cgatcattgc	720
tggtatgtgc	tgcctatggc	catgaatcgc	ggagatacgg	acgtgttgca	cttcctgctg	780
gaaaaatggtc	tccatggaac	aaattacgcg	cgtgatgcgc	tgtttgctgc	aatTTTTcaaa	840
ggggacctag	aaatgggttag	atTTTTcatc	gcccacggcg	cggatccgaa	ccggctgggc	900
gactgctacg	acaagaggtg	ggagacaagt	cacgtccagc	ttcgtcagaa	gattgatagt	960
cggcccttcc	tggagcttgg	cggtatagag	gatgactttt	cgacgtgggtg	caacggcggtg	1020
tgtgttgacg	aggagccgat	gttctgtacc	accacttacg	ttgcgattta	ttacgaccag	1080
atgccgatac	tgaggtttct	gctcgagtac	ggggtacatc	ctgagccgga	ggacatttcaa	1140
ctggcgcgga	agaaggggaa	tgaagaggcc	gtcgggttgc	tttctcgatc	ttctaatagaa	1200
gatgtaccac	ggaagaaatc	ttgtttccaa	gagtga			1236

<210> 7201

<211> 549

<212> DNA

<213> A.fumigatus

<400> 7201

attatcttga	acaattctaa	tctattctta	cttcctaaag	gcaacgggat	cttcatggag	60
agttgggttca	acgaaaagcga	ggccttacca	tccaatacaa	caatagctac	tcaagctaata	120
ggctggatat	ctgatgaact	agcccttcaa	tggcttcaaa	gctttattaa	ggcgacaaat	180
gagcgtacaa	agaggggaga	gaaacgggata	cttatctttg	atggccatgg	ctcccatctt	240
accattgatt	tcttgcaaac	atgcgaagat	aatgggtatca	ttccctttgg	attccttctt	300
catacaacgc	acctttgccca	gccattagat	gggaagccat	tctaagcta	taaacagcac	360
tttcgacgta	tcaataatga	gcatgctttc	tgggctgggtg	agccagtagg	gaagtcagaa	420
ttcttacggg	tgattggccc	agtacgggag	aaggctttta	accagcggat	tatccgtgag	480
gcattcaaaag	attatagaat	ctggccagtt	aatagtaaga	tagctaataga	tcttgctatc	540
ttactatag						549

<210> 7202

<211> 375

<212> DNA

<213> A.fumigatus

<400> 7202

gggtaccaag	gacgctcgta	tgcccaggta	tgcacactcc	gcctctgtca	acggttgagg	60
aggatattcg	atcggttgcc	acactccgtg	cagtcatatg	ggggaaagag	aatgaagcaa	120
agagccttta	ttgatggacg	tctgcgtatg	acagccagct	cctatggatg	cgccgcatgc	180
gtgttctocg	tgcctcctc	gtcctgctac	cgtgccgccg	gcaagatcga	caagcacggt	240
taccacgagc	tctaccacct	gagcaagggg	aacaccttca	agcacaagcg	cgctctgatt	300
gagcacgtaa	gtcttctctt	cgattcatat	ccttttttca	tcgggatgca	aagatggcga	360
ctacgaggcg	aatag					375

<210> 7203

<211> 804

<212> DNA

<213> A.fumigatus

<400> 7203

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acgcataatct cagtctcaag tctgtggggc cccatagaac atggccaccc gtcttcacgg 60
cgtcactgct tccatatgat accatcggtg agattaatgc tacgtataat ctctgggggtg 120
gaatatctgc acgcaaaaag cataattcat cgtgatctga agccggcaaa tatcttcctc 180
tcaccatccg agaatggcga actcgatggg tgccttcctt gcatggcgaa ttacgggtcc 240
acacctgatt actgtcatcc cagaatagga gactttgggtc ttgtcgcaga tgtatcacat 300
ctgaatgact gtccatcccc ctctttcgag gagaatccaa agctcgagcg tgtcgttggc 360
acggagtttt accgcccacc cttgaccact aatggagaga attactctaa tggcatgttc 420
caaaccggaa atcatcaatt cagttacatc atcgacgaga cccttgatgt ttacgctctt 480
ggagttatac tttttgagct tctttatcgt ctgaacacta agatggaacg acaaatgggt 540
ctgactgact taacaaaggg cacgaatcga cagtcaccga ccagaatttg cattagaaac 600
actgtattcc cagcagactt tgcacagaaa ctcgacatgg ggtcgatcat actagaggat 660
agtgtgtctg tagctgactc gttgatgagg tgtatcagcg gcatgctaga gcccaaccct 720
catcgacgct tgcgctgtgc agatgtcaag agagctctgg aaaatattct ggacgctact 780
gccacacagc atcgttcctg ttga 804

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<210> 7204

<211> 363

<212> DNA

<213> A.fumigatus

<400> 7204

```

gtacgcccc ccagaaaaag aaatccaggt actgatattg tcaaagattt taaccccgag 60
cgtcttactc ttgcatgtgc cgctttgcgg ttggctcgtg tctgctcaga ggatgccttc 120
cactacgcag tgcagcgaga gaccttcggc gcgcctctca tccaaagaca ggcaatacaa 180
tccaaaatct tccggttcgg cctcatgatc gagcctgcgt atgcacttat ggagcagctc 240
gtcaacatca tcgagctcac aaaagatcga cctgctgacg acgtgaagat tgggtggcatg 300
acggccttgc tgaaggaat gtctactaga gctcttgaga agagtgttcg tgaagcgcag 360
cag 363

```

<210> 7205

<211> 603

<212> DNA

<213> A.fumigatus

<400> 7205

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ctctcaattc actttgaggg tcatcatcta tacctctttc tctcttctcc ccaaaagctc 60
ttatcccaat tgtcagaaaa gatgactcgt aaagatcccc ccccgacagc tccctacagc 120
gaaccccttc tccccaact agacatcaaa aacccctact acacagacct ccaccacgaa 180
ctccgcgcct acgtccgcaa ttacgtagaa acatccatcg tcccctacgc tcaagactgg 240
gaaacagcgg gtcaagtccc cgaggaagtc cgacggcgcc attgcgacct ggggttcgga 300
attgtccatc ctctaacctc tgaggaagac gcggcaggaa tctcattacc cggtaacgtg 360
ccccgtgaga aatgggatac gtggtgtaac ctcatgttta cggacgagct tacccggttc 420
ggatatgtgg gtgttatatg gggcctgggg ggtggaaata gtatcgggtg tccgcctatc 480
gccaggttcg gaaccccgga gcagaggcga agatggttac ctaaggttgc gaggggggat 540
atcaggtttt gcttggggat tacagagcct gatggtacaa tttatgattt ttacatcatt 600
taa 603

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<210> 7206

<211> 579

<212> DNA

<213> A.fumigatus

<400> 7206

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cctctgagga agacgcggca ggaatctcat taccgggtaa cgtgccccgt gagaaatggg 60

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atacgtggtg	taacctcatt	gttacggacg	agcttaccgc	ggtcggatat	gtgggtgtta	120
tatggggcct	gggggggtga	aatagtatcg	ggtgtccgcc	tatcgccagg	ttcggaaccc	180
cggagcagag	gcgaagatgg	ttacctaaag	ttgcgagggg	ggatatcagg	ttttgcttgg	240
ggattacaga	gcctgatggt	acaatttatg	atttttacat	catttaaagg	gggcgatagt	300
ctcgtgacg	ggatactagc	tggttcagat	gttgcgaata	tccagacgac	tgcaagatta	360
gatggtgate	attacgttgt	caatggggcg	aagaaatgga	tcacgaatgg	tatctgggct	420
gattattgca	ctgctgctgt	gaggacgggg	ggaccgggaa	ggaacggcat	cagtctgctt	480
gtgattcctt	tgactgcgcc	tggggtgact	cgccggcgga	tgacaaattc	aggcgtcaat	540
gccagtggta	tgacctgcct	gcaaaagaaa	ttcccatga			579

<210> 7207

<211> 939

<212> DNA

<213> A.fumigatus

<400> 7207

cagccaagaa	gccagagcga	agagctaate	cgtcatcctt	tgattcaggt	gcagtcagta	60
agactgctgg	gtcatgagat	ggccagttgc	aagtcaagct	tcgtttccat	cttgaacaat	120
gatgaccacc	catcatttgc	agttcgatca	agtcagggg	tctcgagaca	gccatccact	180
tcttcatcat	atctgcttca	gtcagagcaa	cagccacgga	ccttgttacc	cgactacagt	240
tattggagctc	cctacacaga	gtctactgca	cgatctcctg	gcagagtaaa	acgacaaccg	300
tttgatccag	tttcggaagc	gatgcagccc	gcgtcacctg	gttcctccga	ttgctcctcc	360
tacgattaca	tcactcaaaa	cagcgcaate	agttactatc	cctctggccg	acaagactct	420
tacgcttatc	cccctcccac	gattgcaccc	gccgagaagc	gattgagcgg	ccactcggcg	480
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gggaccaaaa	agaacaaata	cccttgcccc	ttcgcagcca	gccatggatg	ttcagcgact	600
ttcaccacat	ccggccacgc	cgcacgccac	ggcaaaaaac	acacggggaga	gaagagtgtg	660
cattgcccc	tatgcaacaa	ggcctttact	cgaaaggaca	atatgaaaca	acatatccga	720
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gccagcagcc	ggtgggcacc	agggcggaacc	agcccacctg	ataaccattc	gcggctcgacg	840
agtcagtcgc	agacggatgg	aaatgtctat	caccgcagca	cgagtaccat	gaatatgaca	900
acgtctagcg	gaagtcaacg	tcggcattca	ccttactga			939

<210> 7208

<211> 1287

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (120), (167)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7208

gtcgtacggg	ctctcttcca	ctctttctct	tcttacattg	tttccatttt	tttttttttt	60
cttttctttt	ttttcctttt	cttctttttt	ctcgcatttt	gtttcttttc	ggcgcaacan	120
ggggcggtgg	tggacagatg	tccagatcgc	gctcgaccgc	ctcgcctngat	ccatgcgtcg	180
atgaatatgg	gccgtatcgg	ctcggcgctc	gcctggggcca	atgcgaacgt	tccgcgcgcg	240
gagatcaaaa	gcggcagcaa	gggcaacaag	aagaaaaaga	agaacgacga	cgagggtgaag	300
ctgcgggtacc	acatcgcgga	catcatcgtc	cgtcaacgct	acatcatgca	actgtgccgg	360
gcgtttatgc	gatacgggtg	cccgaactac	cgactggaag	agtacatgca	gatgacggct	420
cgcgtgctgg	acatcgaggg	gcagttcatg	taccttcccg	gctgcatgat	catgtccttt	480
gacgacccgt	acactcgcac	tgccgagggtc	aagctgggtg	gtgtgccaca	ggggctggac	540
ctggggcgtt	tggaaaaagt	gcacgggtgc	tacaagcgcg	tgacgcacga	catgacggac	600
atgcagacgg	ccatcggcga	gctgacggag	atcatggacc	gcaagccgcg	gtatccgcgc	660
tggctgggtga	tcttgcttta	cggcggttggg	ctcggccgcg	gtgggtccgt	ttggtttctc	720

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agcgcgccccg atcgatatgc ccatcatttt tgtgctggga tgctgtgtcg gggtcatgca 780
gctgggttctc ggcgcacttt cggccctgta ctggaacgtc ttcgagggtca cggcggccat 840
cctgggtctcc ttctgggccc gcgcctttgg cagcatccga taccgccgga cctcggaccc 900
gggtcttctgc tacgccacca tcaactcagtc ctgatcgcc ctgactctgc ccggtttctc 960
cgtgctgacg agcagcctgg agctccagtc gcatcagatg atcgccggat cgatccgtct 1020
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ctacggcgcc atcgaccccg acgcaaccag cgacaccacc tgcgcccggc agagcgtctg 1140
gcgcagccccg tacgcctctc acttcccctt cgtcgcgga tactgctca tcgcggcact 1200
gatcaaccag gccaaattcc gacagatccc catgatggtc ctgatcgga cctcgggtta 1260
cgtcaccaac tatttcagca cccataa 1287

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<210> 7209

<211> 348

<212> DNA

<213> A. fumigatus

<220>

<221> unsure

<222> (321), (338)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7209

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aaggaaatgg acaacctcac cctctacatc ctcaccttca attgcgctcg caaccccgtc 60
gatatcgacc tcttcgctgc gcacttcttc cacgcccttc cccacacgt cccctccgca 120
ccgcacctca ttgccctcag tctccaggaa ctgcgccta tcgcctacgc cttccttggc 180
ggctcttatt tgacaccgta ctttacctcc ttccggcagg tggtcgcccg cgccgccgca 240
agtcgctggg aggatgtgca gtacgccact gttgtggagg accatgtcgg gatgacgggg 300
ttgatgggat tcgcgcgtgt nttcaagcag gcggcggnag atccaacc 348

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<210> 7210

<211> 972

<212> DNA

<213> A. fumigatus

<400> 7210

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tcttgcttta cggcggttggg ctgcggccgg gtgggtccgt ttgggtttctc agcgcgccccg 60
atcgatatgc ccatcatttt tgtgctggga tgctgtgtcg gggtcatgca gctgggttctc 120
gggcgcacttt cggccctgta ctggaacgtc ttcgagggtca cggcggccat cctgggtctcc 180
ttctgggccc gcgcctttgg cagcatccga taccgccgga cctcggaccc ggtcttctgc 240
tacgccacca tcaactcagtc ctgatcgcc ctgactctgc ccggtttctc cgtgctgacg 300
agcagcctgg agctccagtc gcatcagatg atcgccggat cgatccgtct cgtgtacacc 360
atcctctact cctcttctct gggttacggc gtcacagtcg gcaccaccat ctacggcgcc 420
atcgaccccg acgcaaccag cgacaccacc tgcgcccggc agagcgtctg gcgcagccccg 480
tacgcctctc acttcccctt cgtcgcgga tactgctca tcgcggcact gatcaaccag 540
gccaaattcc gacagatccc catgatggtc ctgatcgga cctcgggtta cgtcaccaac 600
tatttcagca cccataagct gggctcctcg tcgcaggctc ccaataaccgt cggcgcggttc 660
accatcggcc tgctggcgaa cctgtacagt cgctcttggc acggcaacgc ggtgagctcc 720
accatccccg gtatcttcac catggtgcgg tcgggtctgg cctcgtccgg ctgatcctg 780
tcggcgattg agtactcgga tcgggtccgg aatggaacgg cggatacgtc gggtagtacg 840
tcgggaacat ccttgaccag tctgggctat ggtatgatcc agacggcgat tggcattact 900
gttgggttgt tcattgcggc gttgatagtt tatccttctg gcaagcggag gactgggttg 960
ttttcgttgt ag 972

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<210> 7211

<211> 462

<212> DNA

<213> A.fumigatus

<400> 7211

cgacccgtac	actcgactg	ccgaggtcaa	gctggtgcgt	gtgccacagg	ggctggacct	60
gggccgtttg	gaaaaagtgc	acgggtgcta	caagcgcggtg	acgcacgaca	tgacggacat	120
gcagacggcc	atcgggcagc	tgacggagat	catggaccgc	aagccgcggt	atccgcgctg	180
gctggtgatc	ttgcttttacg	gcgttgggct	cggccgcggt	gggtccgttt	ggtttctcag	240
cgcgcccgat	cgatatgccc	atcatttttg	tgctgggatg	ctgtgtcggg	ttcatgcagc	300
tggttctcgc	gccactttcg	gccctgtact	cgaacgtctt	cgaggtcacg	gcggccatcc	360
tggtctcctt	cctggcccg	gcctttggca	gcacccgata	ccccggcacc	tcggacccgg	420
tcttctgcta	cgccaccatc	actcagtcct	cgatcgccct	ga		462

<210> 7212

<211> 738

<212> DNA

<213> A.fumigatus

<400> 7212

ctcccatatc	caagcctaac	gcaaatatgt	gggtggcatat	ccatccagtc	gtccttcctc	60
gtcgccctca	agcaactcgt	tcccgagcat	acggttacca	tcttcaaagg	cctgggtcaag	120
atgcgcgtga	aacattttccc	cgccctgttt	ttgttgctca	ataccattag	cggtttgggt	180
ttcggaacgc	aagtcgcagc	gctcctcgcg	tggttggggc	tggtggccag	ctggtcctac	240
ctgcgattct	acaagcggca	accagacctc	acgggcacat	cgacagacgg	acaaggaatc	300
aagggtgatg	cgagcgagac	tttcgcattc	gcttgccctc	tcccgagcgt	tatgcagccg	360
ccaattgcat	ttgtttctga	tcagatttat	acgctcctcg	tggtgctcaa	aatttgacag	420
ccattctcgg	aagaagatat	tgcatctggg	aaccagcaag	tctcgcgaag	aggtgaggcc	480
ggtctaccca	gcctgctcag	taaccaacga	ggcggaggaa	tacgtggtat	aggcaaagct	540
gaagaggctg	aacgaaggcg	ggcgctggca	ctcaaagcgc	tggtaccagag	actccaagcc	600
gccgcccag	gaagagtcca	atcccagtcg	tctacattga	gtcagcccgg	atccagccat	660
gctcaccacg	cgacaccgac	ggtctcgaca	ggacagaata	tgctggggga	aacgagctac	720
acgcctgata	atgcgtaa					738

<210> 7213

<211> 492

<212> DNA

<213> A.fumigatus

<400> 7213

gcagccgtga	gtgctctcct	cgtcaagatg	ccgtaccgaa	tcaacattcc	ccctgcgact	60
cgtacttgct	tcgtcagcct	cgtcacactc	tccctgctgt	acaacatcgc	ccgatggcga	120
caaattgaca	cgagggggaa	gacaccaca	acgacacctc	ttgttcccta	cttgaccgtt	180
gtcccatcgc	aattcttctt	ttacccttgg	accctactta	cggcgacatt	tgtggagcag	240
aatatcttca	cagtactcct	caacgctgct	actctgttct	atggtgggaa	atacctggag	300
cgcgcttggg	gttccagaga	gttcgcgaaa	tttatcgta	ttatcgagct	cattcccaac	360
ctggtggtag	ccctgggtaca	cttactatgc	gccgccatag	gggcgagctc	agtgagcggg	420
tacgagatct	ccccccagca	cagttgcata	agctcttgcg	ctctatctgc	tgactcccat	480
atccaagcct	aa					492

<210> 7214

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7214

aacattgata	cctcgtattg	gggacagatg	acttctttct	taatctcatc	cgtctacact	60
gtcacaaaacg	ctggcttcag	caattaccgc	ctatgtagtg	gaatttcacg	ggaaggacaa	120

aaacgctttc ttcgaaagct gccggcgctc cccgactatg ttcttggtat gttggcactt 180
tgtgtgatga aaactgctat gatgtataag ggtgtgaagt tgaattgccca cccaagtaa 240

<210> 7215

<211> 612

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (60), (81), (118), (157)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7215

atgtgcgttc cgggattgcc cctgccttat tatgcaagga caagcaatgg ggccaatggn 60
gcttcttctt cgttccccc ngagttcaaa gacttgcagt tgagtttttt caagccanat 120
tttttctcgc cttttgtttg ttcccttgct gcgagntga ttaaacagta ccgcagaacc 180
ggcgagcagg gtacctttcg tctgacctg tcagaggatg caccgcgcg gatcatcgac 240
cctgacgagg ctggtgtcat tgcagctcat cttttgtccc aagatgatcc ttccgtgcac 300
aacaggggcca aatacattct gaacggggccc caggacataa ctggaaagca gattgttgac 360
atggttaagc aacacatcgg tgtacctgtc aaagacgtca gttaccgaga cgtctctttc 420
atcgaccagc tgtatgagta ccaatatgcy gcagccaagc catcgaagaa cgtcatctac 480
tcgatcaagc gggcccccga gacagcttgg gaagggaat gctcgacttc tacaaccagc 540
aacgtgattc tggagcttgc tgcctcgaaa cggacacctg ctgatacctt aaaaacctta 600
ctagaggagt aa 612

<210> 7216

<211> 642

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (23), (64), (92)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7216

gtggccatgg ggataacggt tantttgaag gaaggaggcc cttttttccc caccgaaggc 60
aatnattgcy tgtttttccc gggcgccgct tncggggcca tcttcgcatt gttagcaatg 120
tacctcatga ggcgacggaa gaataaccta ccccttctg tgaagatcgc acagcacact 180
cagagaacat caagcggaac actcattggc atctccgacc ccattccctc cgaagagaa 240
gcctaccgaa ccgacttctt tctacgaaga tctctgaaac gtaactcgga aggcgcacgc 300
tcaatgctcc aacgcacagg gacccgcgtc aagagcctgt tcggctccac acccaaaccg 360
agccagatgg tgtcaaagca gccccggtg ccgctgacct ctccgcagca ggctcgcatg 420
cccagtacgg agagcatcaa ggtctatacg ccgccaggga cgttcgcctc gacagggtgt 480
ctcaggccag agccgtacct gactatcgct gtgggaaatg gttccacctt cactgagatg 540
attgatcagg caggatctaa caatagcaag ggtgatccga gctacagcgt cgatgaggcc 600
cctaggtcac ggagcaaaag tcctctccgt cgcctttgtt ga 642

<210> 7217

<211> 696

<212> DNA

<213> A.fumigatus

<400> 7217

tgtcgccagc ttatccacac taaaatgagt ctgaggcttg tatcttcggt tcgagacgac 60

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ctgtttgcag cagtagcctc agacactcaa gccgcacaag ataactgttt tgccttctcg 120
ccagaccaac taaaccagct cttcaacccc aaatccccc cgcactcta tgcctcgggt 180
ggactctacg gccttgagta tggcctgcgc accgatctca gcgctgggtc gtcggccaac 240
gagaggatcc ttcttggtgc cgtcacactt gaagaggcga gacaggcagc gctatgccag 300
acggaaaagca aacggccgct cctggcgaac gcagccaggc cccatcccaa ccaggaaccc 360
tcagtgccat tctccgatcg aaccgcgctg ttccggcgga acgtgctgcc cgacgcgaag 420
aggaaaggct ttggaaggct cctctgggac gcgtataacg ataagattat catccttctg 480
accatcgcgg cagtcgtctc gctggcgctg gggatataat aagctgttag cgggcagtcg 540
caggtggatt ggatcgaggg cgtcgcggtc tgcgtcgcga ttgtgatcgt tgttgctgcc 600
actgccggga acgactggca gaaggagcgg cagtttgcca gactgaatca gctggtgggt 660
ttcgagcttc tgcccggagc ggggaacaa acctaa 696

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<210> 7218

<211> 501

<212> DNA

<213> A.fumigatus

<400> 7218

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cactccattg tcttttgtat ctatacaatt accacaaagg cttcaatcat gcccctcgcg 60
ccccaggaaa ccaccctcgt cgacaccgcc acatcaatta taaccgcgat ccccgctctc 120
gacaccaca gcgtcgccag cgcgcgcga tctaccgacg gacggatctt caccggcgctc 180
aacgtctacc actttaccgg cggaccctgc gccgagctcg tcgtcctggg gtctgcggtc 240
gccgctggcg ccacgcatct aacgcataat gttgccgctg ggaatgagaa acgaggcgctc 300
atcagcccgt gcggacgctg tcggcaaacg ttgattgatt tgcacctcgg gattcacgtg 360
attgtgcctg aacaagggga acccatgcct gtgcgcgtgg aagatttgct ggcatttgcg 420
ttatctcgtg ggattaactg tcgaaaatcg cgggttgaaa ccgtccaagc atccaaggctc 480
gttggtgaaa accgtccaac t 501

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<210> 7219

<211> 216

<212> DNA

<213> A.fumigatus

<400> 7219

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ggtcagccgg acccaactac tagactcttc ctaggcaaga ctaacaggac taacaggact 60
agcagggggg ctaaagcagc caagagtcag ttcttcatta acgaggatc acaagcagag 120
gagagtcaag gccactaca gagtattatt cttatgactg tctttcctcc agtcagtatc 180
aaaatatacc tgttttgtga agagttcttg ctatag 216

```

<210> 7220

<211> 792

<212> DNA

<213> A.fumigatus

<400> 7220

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tacaacaaat ggatgttctc agaagaccgc gttgtgtttc cttttcctct ctttacgacg 60
agcttgcata tgctcgtgca gttcagtcct gcgtccgtca ttctttgggt gattccagcc 120
ctgcgccccg gacaccgttc atccgcctcg tccggttcac cgttcagaaa cagtcatgat 180
gcctccgaat cgaactccat tctcacaaa cgttctacc tcaccgcact cgttccctgc 240
ggtgcagcga cgteccctga catcgggctg ggcaatatgt cctcaagtt tattccctc 300
accttcctca ctatgtgcaa atcctccgct cttgccttcg tcttctctct cgctttcctc 360
ttccgattgg agacgcctc cgtcaaattg atctttatca tagccaccat gaccgtcggc 420
gtggtcatga tggctgcggg agaaacagcc ttcaatgctg tcggcttcgc tctagtcatc 480
gcctccgctt tcttttcggg tttccgctgg ggactgactc agattctact cctgaggcat 540
ccggcaacat ccaacccctt ctccaccctc ttcttctcct ctctgtcat gtttgtctcg 600
ctgattatca tctctctgac tgttgaaggc cctgtcaaga tcgccgacgg ctttgctgct 660

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ctgtcaggca	ctcatggcgg	cgtctttgcc	gtcttctgc	taatcttccc	cggtgtgctg	720
gccttttgca	tgatctccgc	tgagttcgct	ctggctttca	ccacggggct	gcaaggagcc	780
gctgctagcc	at					792

<210> 7221

<211> 273

<212> DNA

<213> A.fumigatus

<400> 7221

acagcagcca	tgacgtcccg	caaaacgcag	caagagatcg	acaagacctt	caagaaggtc	60
gcggaaggca	tacagacatt	tgagggcatc	tatgaaaaga	tccgctccac	atcgaatcct	120
accagcgcag	ataagctgga	ggagaacctg	aaacgagaga	tcaagaagtt	gcagcgattc	180
cgtgatcaga	ttaagtcatt	ggcttccggc	aatgagggtc	aagacaaagg	accgctgctc	240
gagcagcgca	gagcaatcga	aactgtgggc	taa			273

<210> 7222

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7222

cattcccggc	cttttctggc	atcatctccc	agcgcgtcga	ctttcgcatt	gtcgcccaac	60
atccttctcc	tcctttccaa	ctggaaccgc	agcttccaac	tcgccgacac	ctttccatat	120
ctccctaaat	ctacgggaat	tccttttctt	cccacggcga	tctgtccatg	tgaacagcag	180
ccatga						186

<210> 7223

<211> 483

<212> DNA

<213> A.fumigatus

<400> 7223

cagaggttgc	agtgtatgga	gcagttcaaa	gccgtggaaa	aggagatgaa	gaccaaagcg	60
tactccaagg	aaggcctttc	ggctgcgtcg	cgactcgatc	ccaaagaaaa	agaaaaactc	120
gaagcgtgcg	acttcctatc	gacctgcgtg	gacgaacttc	aactgaagat	cgaggcgatg	180
gaggccgaag	aagagaccct	ccacgtgcag	atgaagaaag	gcaagaagga	tatcaccaag	240
aacaatcggt	tatcggacct	ctcgcggata	ctggagcgac	ataagtggca	cgtcaacaaa	300
ctcgagtgtc	tgctacgagc	ccttcagaac	ggcgcggctg	aaaccagcca	ggtgatggat	360
ctgaaagaga	atatcaagta	ctacttggat	gatggacccc	atgtcgatta	ttggcgtgaa	420
gacaagacac	tccttgacga	tctcaatctg	ggtgaaatat	cccaaagccc	aatttggaag	480
tga						483

<210> 7224

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7224

gtagcgggtca	tccagagagt	taaattctgcg	tcagtcacag	tagacgagaa	actcgtgtcg	60
tcaatcggcc	gcggcttgct	tgcttcttgc	ggtgtaggca	aggaggatac	cgaaaaggac	120
gcagacactc	tcattcagcg	ggtattgaag	gccaaattat	ggcctgccga	agaaggcggc	180
caagtgaagta	gtctgtaa					198

<210> 7225

<211> 381

<212> DNA
 <213> A.fumigatus

<400> 7225
 ctatggcttt ttattcagtg gaaaaggaac gtgcaggaca ttgagggaga ggtgctctgt 60
 ggtggggtttg gctgttctga gatcctcgaa tgcgcccctt taacagttga cgcagtatca 120
 caatttacgc tctacgggtca attgaagaaa ggcagcaaac cagattttca cgatgcagcc 180
 gatgcgagga cagcacggaa actatacgaa tacttcttcc gccggctggg cgaagcatac 240
 aaacccgacc ggggtcaagaa cgggtgtcttc caggccatga tggatgtcga actgaagaat 300
 gatgggccgg tgggtgtaga ttaccgcagt gaggatgcgg cggtagctt ttgctcctcc 360
 tcgtacctcg tctccgactg a 381

<210> 7226
 <211> 330
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (283)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7226
 ttaaccaaca atgagccagt ggggtgcata atgcttgtca aggacgtcga ctcgcccgat 60
 acagccagac tacgcttact ccttgtggac ccgagtgtc gaggaacggg agtcggaaga 120
 tccttgatta agcagtgtat tgaatttgcc agagaggttg gatataggcg ggtagtcctc 180
 tggaccaga gtatcttagg gtcggcaagg aggctttaca aggctgaggg atttcggttg 240
 gtcaaggagg aggagcatga agggtttggg atggcggttg tangagagtt atgggagctg 300
 gagctagaga acaagtctca ggtgaatga 330

<210> 7227
 <211> 213
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (172)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7227
 agtggcctat acgttaccac attgctcaat tatcgtcatg ataagtataa caattgcagt 60
 tgcaatcaag tgaattactc ccacgcagga attgactgca gcagttacac tattagccag 120
 tgcattcatt accctgagac ttgttctcta gctccagctc ccataactct ontaccaacg 180
 ccatcccaaa cccttcattg tctcctcct tga 213

<210> 7228
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 7228
 actcagtact tgatctcttc ctaccgaact gcaagcatgg cctccaccgg cgccctatcc 60
 gatccccagg agtatcagaa gatattccat tgggcagaaa ctcaaaagga cggtagcatt 120
 ccttccttca gcacgagacg gaacgatccc taccaggtaa gctcttattc tatttggtcg 180
 tttcttcgtg atagctga 198

<210> 7229
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 7229
 tgtagggata tctacagatt tgtctccgag gctgtccctg gtaccattcc acagggccag 60
 aacagtcctc gtaatgtgag attcggcttg tatgctgagc agatcaccgc gactgctttt 120
 gtcgccccac ggcatgcaa caagaaggca tggctgtacc gtgctcgccg ggcggttgcc 180
 caccaaggat ttgtacgttg a 201

<210> 7230
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 7230
 gtcccgatca agtatgacct gaccaagttc gtcaatgtcg gctcaatctc cgtggatcat 60
 atcgaacctc ccattttctg tgtacttaca gccaaagtctc gcgacctcac ggcgcctttg 120
 gccgatttct catcttctct ccccgctggg atggaacggc ttcgtagttg ttttgtccac 180
 aaaggatatg ccgtgagcct actaacgatt tctagacacc ttccggacca ctttactatc 240
 acc 243

<210> 7231
 <211> 810
 <212> DNA
 <213> A.fumigatus

<400> 7231
 gattcggctt gtatgctgag cagatcaccg cgactgcttt tgctgccccca cggcattgca 60
 acaagaaggc atggctgtac cgtgctcgtc cggcggttgc ccaccaagga tttgtacgtt 120
 gacgccattc ggagcattgg acgtgtgctg atgatgctac agaccgatct tcctgacaac 180
 aaagacacag agtcgaattt cctgcccata aatcctcgag tgcgagctc tccaactcag 240
 ttagcatggc atccatttga gattccgact ggggaggagg tagactttat ctccggtctc 300
 aagactgtag caggatcagg agacccaacc cttcgtgagg gcctcgctac acacgtctat 360
 acggccaata ccagcatgaa gaagaaagcc tttgtgaatt ccgatggtga attcctcatc 420
 attcctcagc aggtgtgccct ggacatccaa accgaatttg gtcccttgtt tgttcagccc 480
 ggagaaatcg tagtcatcca gcgaggtatc cgcttcgcgc ttgagcttcc tgatggccct 540
 tctcgtgggt atatcctcga agtttgggga tcttactttg agttgcccga gctgggaccg 600
 ctccggagcaa atggtttggc taacgctcga gatttccttg ctcccatgac caagtatgag 660
 atttcacagg agccctggga gattatttac aagcttggag ggaaattctt caagagcaca 720
 cagaatcaca gtccttttga tgttggttgc tggcatggta actacgtatg ttttaatacct 780
 tacggtttcc actatacaag gcgaagctaa 810

<210> 7232
 <211> 687
 <212> DNA
 <213> A.fumigatus

<400> 7232
 gctgaaaagg cctgttgctg tccgtgttgt cggttacatc gagacccccg tgggtctccgc 60
 togtcacca ctgtctgggc tgagcacctg agcgacgaag tcaagcgccg cttctacaag 120
 aactggtaca agagcaagaa gaaggccttc accaagtacg ccaagaagca cgctgaggag 180
 aacggtgcct ccatacccg tgagcttgag cgcatcaaga agtactgcac cgctcgccgt 240
 gtcctcgccc acaccagat ccgcaagacc cctctcaagc agaagatagc ccacctgatg 300

gagattcagg	tcaacgggtg	ctccgttgcc	gacaagggtg	actttgccc	caacctgttc	360
gagaagccca	ttgagatcga	cagtatcttc	gagaaggacg	agatgatcga	tgatcattgcc	420
gtcaccaagg	gtcacggttt	ccagggtgtc	accagccgtt	ggggcaccaa	gaagctgccc	480
cgtaagactc	acaagggtct	gcgtaagggt	gcttgatcgc	gtgcttggca	ccctagtcac	540
gtccagtggg	ctggtgccc	tgccgggtcag	atgggttacc	accaccgtac	ctcttgcaac	600
cacaagggtc	tccgcattgg	caagggtctc	gatgagggtg	acgcctccac	tgattttgat	660
atctccaaga	agcagattac	tccgtaa				687

<210> 7233

<211> 279

<212> DNA

<213> A.fumigatus

<400> 7233

tcgctaata	aatatcctta	cagcatgggt	ggtttcgtcc	gctatgggtg	ggtaagaac	60
gactatatca	tggtcaagg	ctccgttctc	gggtgtcaaga	agcgtgttat	gactctgcgc	120
aagacctgt	acccccagac	cagccggaga	gccaccgaga	agggtgagct	caagtggatc	180
gatactcct	ccaagttcgg	ccatgggtgt	ttccagactc	ccgaggagaa	gcgtgcattc	240
atgggtaccc	tcaagaagga	ccttggtact	tctgcttaa			279

<210> 7234

<211> 912

<212> DNA

<213> A.fumigatus

<400> 7234

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<210> 7235

<211> 192

<212> DNA

<213> A.fumigatus

<400> 7235

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gtaatcacga	ttgacaacct	cgtgagtgac	agcctgccag	aacacacttc	aagtacgctg	180
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<210> 7236

<211> 216

<212> DNA

<213> A.fumigatus

<400> 7236

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caacctgtgc	atccgaactt	ctccgcagac	acagacgctt	ctagtttcga	cccaccaaac	180
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<210> 7237

<211> 1884

<212> DNA

<213> A.fumigatus

<400> 7237

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<210> 7238

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7238

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<210> 7239

<211> 1674

<212> DNA

<213> A.fumigatus

<400> 7239

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<210> 7240

<211> 321

<212> DNA

<213> A.fumigatus

<400> 7240

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accccatgtc	gagcatctca	tctacagctc	aaagacccc	gagcaagaca	atcggtatcg	180
tcccctcctg	gatcgaccgc	gcccagccac	ccgtccgagc	cgtattcgac	gccgcctcgc	240
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<210> 7241

<211> 594

<212> DNA

<213> A.fumigatus

<400> 7241
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 gacaatcggg atcgtccctt cctggatcga ccgcgccgag ccaccgctcc gagcgtatt 180
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<210> 7242

<211> 390

<212> DNA

<213> A.fumigatus

<400> 7242
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 gatttcgcgc agcatggtcc ggtggtatga 390

<210> 7243

<211> 426

<212> DNA

<213> A.fumigatus

<400> 7243
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 gaatggacgc cggagcctct tgtgggacaa cccacagctc tggaagaaat ggaggtcgag 360
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 gtttga 426

<210> 7244

<211> 390

<212> DNA

<213> A.fumigatus

<400> 7244
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 tcgatgggtg acatgggtcga tcttcccaaa atcgtatgta attcttccat tccctccggc 360
 tctgagaatg cataccatgg cacggtctga 390

<210> 7245

<211> 555

<212> DNA

<213> A.fumigatus

<400> 7245

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<210> 7246

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7246

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aagcaaattg	ttcctccagc	gctcaagggtg	tgtatcacca	tgggcttgac	gaaaaaggaa	120
atcgaaaagg	ccggaacgat	tattcgccat	gctatcacga	aggttgtgag	caagagaaaag	180
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<210> 7247

<211> 210

<212> DNA

<213> A.fumigatus

<400> 7247

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accttccgtg	actccgtcca	caactccatg	cccgtcgaga	ggccccaagc	ccacaggagc	120
ttttccttgg	cgctcttcca	cgttcagcca	tcatccgagc	gcgagctgca	taccgagtgg	180
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<210> 7248

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7248

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agcttcgtcg	tcgatgaggt	ggagcaggag	cttggaggcg	acttgcttgc	gacaaaggat	180
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<210> 7249

<211> 552

<212> DNA

<213> A.fumigatus

<400> 7249

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<210> 7250

<211> 1356

<212> DNA

<213> A.fumigatus

<400> 7250

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<210> 7251

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7251

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caatgtaccc cggaacagaa gaagctcttc cttgaaccgg ccgaaaagta tcagatcatc 180
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<210> 7252

<211> 516

<212> DNA

<213> A.fumigatus

<400> 7252

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<210> 7253

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7253

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tgtctgggct	ctcatattgt	ggactcttcc	aattcctcag	ggaacttgct	ctcggtcctt	180
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<210> 7254

<211> 192

<212> DNA

<213> A.fumigatus

<400> 7254

atgcatttag	ccccgatccg	acagacaatt	cctcacggac	tgattctgcc	cttgatttct	60
ccaccaatca	ccagaaagca	tcaagttatc	aacctccgct	atataacaat	cccccgctat	120
accataccta	agatatctac	catcacccgg	agctcgatga	acgattattc	agagcagcca	180
ctagtagtgt	ag					192

<210> 7255

<211> 483

<212> DNA

<213> A.fumigatus

<400> 7255

cctttgaaca	tcgcgagact	aaaactgaga	gaccagctct	tctgggacga	cgacgggaacg	60
gtgtacctat	catcgacata	ccgcaagctc	gtccgcaccc	ccggcgccac	ccttaaggac	120
ttcgcaatcc	acatcgcaac	cgttgacctc	gagacgggca	actccacctc	tgagcccagg	180
ctgatccgcg	aatcggcctc	cggtgtggcg	gagggctcgc	atatcttcaa	gcggggcaag	240
tactactatc	tcttcacggc	cgaggggggc	accgagagcg	ggcactgcga	gtgggtttgt	300
cggagcgagg	tcagcccgtt	tggaccgtgg	gaggttgggc	cgtgtaatcc	cctctggagg	360
aatgggggtg	acgacgaggt	gcagaacacc	gggcatgcgg	atctggtcga	ggatgcggag	420
gggaactggt	gggcagtgtt	tctgattctt	gcaccacggg	gggctggaag	agatcccgcg	480
cta						483

<210> 7256

<211> 435

<212> DNA

<213> A.fumigatus

<400> 7256

tgtagaatgt	acaacaatcc	catcatcccc	gggttcaacc	cggatccctc	catcatccgc	60
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gtcaatcatg	actacttct	cgtcacctca	tccttcgagt	acttccccgg	tgccccaatc	120
taccatagca	cggatctgat	ccgctgggtc	ttgatcggac	atgccttgac	aagacccagc	180
cagctgcaga	tcacactcc	cgagccagga	ggcggcatct	gggccacaac	cctgcgtac	240
cacaagggga	cctttttacat	catcgccgcc	agtttcgagc	ggtaccgtcc	gcaagaggac	300
gaccgtgtct	ggccgcgggg	cttctacgtc	aagacagaga	acatctggga	ctcggaccca	360
tggtctgato	ccgtgtattt	cgatcaggtc	gggttcgacc	aggatgtaag	cccagccctg	420
gaatctagcc	tttga					435

<210> 7257

<211> 258

<212> DNA

<213> A.fumigatus

<400> 7257

ataggaatca	ttttttggtt	gtttgcccag	ctatcgtacc	aacaagcatc	aggcgtcctc	60
tccatcatca	cagtcagctc	tgatgtccat	agtcattatg	tctcagaaag	ttacactaca	120
ctacataaca	tatgccatat	ttgcggctcc	cataaaaaca	ttatgcgttc	tgactccta	180
accctgttat	attaccttta	tccccgggtc	agaaatggaa	caaattctaa	ccatccaata	240
atttcaatcc	tcctttga					258

<210> 7258

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7258

gccattccta	atcctgaagc	atttgatcaa	gtgatcagct	attccaaaat	caaaatcggg	60
ttgttttagtg	acctagtctt	ctgctcgcag	gtttcacagc	gttcagtctt	gttgtatggc	120
ctagagttgt	tccatgagaa	actgctctat	ctgacatgtt	ttaaaggcgt	gctagtgaca	180
agtagcctct	acctaggtct	gcgtatttct	ttcacccatt	ggaaccaatt	ataa	234

<210> 7259

<211> 1530

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (30)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7259

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aaccctgtca	actccttgga	gagtgaagag	tctgacgctc	tccaagggta	tcacgataat	180
tgtgagcaga	acgcccctgg	gttatgtcgc	aaaaagtctg	tccgctctgc	cgagtctgta	240
tctgaagcag	ccagaccacc	ttctgccttg	gcaagtaaag	actcgattta	ttggcgaggc	300
ttccaatcgg	tgtttgggct	ttcgactcgt	cgagacagct	tcattcatcg	gaacacacgc	360
tttgacgctg	tacagtcaat	tcgatcagg	ttgctcagca	tgcatatcaa	ttgtgtgctg	420
ggacattatg	agcttgtgcg	ccccgaacga	cctccctaca	agggtccatt	ctcacaagct	480
ccccgcaatt	ctgtacgtac	gtcggcattg	gcagaaaagg	cacaattctc	catcctggag	540
aaggagcaat	tggtcttata	tcagcttcga	ccgcccattg	gggccatgga	tgctctcagg	600
tacttgaatg	gcggccacct	ggtcactagt	cctgccagga	gtcgactttc	catggccact	660
gcacaacaag	cacctcccca	aaagcctaaa	ggacaccggg	tgagggtttt	ggatctgggc	720
ggacacgcct	cctgcgaatg	ggcatggcaa	cttgcccacg	attatcccaa	cgtaaaagtc	780
tacaccgtgt	ttaccgagca	ccaagcagta	aaccatggca	tcaaaggccc	acctaaccat	840

tgccagattt	ccgtggcaca	actgtggaaa	ttacccttcc	cggacaacaa	gttcgacctg	900
atctcggctc	ggtcacttcc	tgccttgctg	aagaacgagc	gcccagtcgg	ggagatgcac	960
gacgagtacg	acctttgcct	acaggaatgc	cgcgcgtgcc	tcaagcctgg	gggttatctg	1020
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gttgagtttg	ctttcaacct	caaaactaga	ggatatgacc	cgttaccaac	aaagagattc	1140
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atgggcaatg	agcctgtaca	agcacaactt	cccagagaga	cgccagaccc	tcgagtaaag	1260
agctgggtcg	acgaatatga	agctgtgcac	ggacccgtag	gcagcacggc	cgacatcgcc	1320
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gagatgggtc	gtgagcgaca	ccggttgctc	gaaggcatcg	gcagcgtttt	tgatgagggc	1440
cgcaagaacg	gcgagcgctg	gacctgccta	tctggatggg	cgatgaagcc	aaaacgcaag	1500
atgccgccct	cgcgtcttcg	gaccggctaa				1530

<210> 7260

<211> 1698

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1568), (1691), (1693)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7260

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agcgggtgtca	agctcggttc	acccttcctc	tcccagtcgg	aaaacgaacg	ctcggcctct	180
cattttaggg	acggcgaagc	tgatcctacg	gacgagcgac	gaattgcaga	tgatgcccaa	240
tcaataaagg	agaatgttaa	tcatgccaac	gaaggagggtg	gaaaacctcg	atcagagaag	300
gccgggtggat	tgaaggacgc	gtggaatgat	ggccaggggg	agcaaccggg	tttgccaagt	360
cttcgacggc	caaatgaatc	gcttgacagt	cctcaacagt	cgcgcggacca	taagcagcat	420
cagtcacaaa	ctcccgagc	ggcggtttcg	cgcgcgtcgtc	ccagcgtcca	gttcacccat	480
gagacctctg	acatcgatgc	cgccccggaa	gtaactgggt	caagaccccc	gtctgtcctg	540
gatgatgagc	cagactccgg	actgaagggg	aaacagtcga	tctttaccaa	gctcaagtcc	600
cttgcttcgc	cctcatttac	ctctcattcc	cgttcagcta	gtggggcaac	cattagtgat	660
atgagacaga	ccaacaccga	tctggcaaca	cccggttctg	agcgaggggc	atttcgtttt	720
cccgatactt	tggaagaaga	agggagtgat	atcgatgctg	atgctgagga	aagcgccggg	780
gagcaagagg	ttcgtcagcg	caggaagaag	aaaatttcac	ggcggcgagcc	agagcctcag	840
tcagcacctc	agactgaacc	aaacacaccg	aaaaccacca	ggaggcgcgtc	attccacctc	900
cggccttcgt	ttggtccatt	tgagaactac	cgcgccaatc	tctttgcgcg	cagagtgagc	960
accggagact	tcgcccagca	gcggggagggt	gtatcggagg	atgaggggtcg	agatcgctcg	1020
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caggcggata	cccccgga	tcaggaggag	agacgaccga	gcaatttcaa	gcgttttact	1140
gggctggggg	ggccatctga	gaacgcagaa	ggaaacgccc	cgcattggag	gcgccataga	1200
gctgaacgcg	gctcgagtct	gagcgctcag	aagtggcggc	agataaaaagc	tgggttcaag	1260
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gagttgactt	caggggtgcc	ggccgccttg	atattggcta	gcatgtttca	acgggatgaa	1380
cacggcagca	aacggatccc	aatccttctg	gagcagttga	aagttcgggt	cactgatagc	1440
aagttcgagc	ctcattccgg	tgaccgtcat	cttgtattca	ggatcgagct	ggaatacggc	1500
agcgggatga	cgcgatgaa	atggatcatc	catcgtaacc	tgcgagattt	tgcaaatctg	1560
cccctganat	ataagctaca	cttcgggaac	gcaaaagtac	tttcagctgg	caaataccga	1620
agggcggccc	agaaccttcc	ccgtttccct	cgaaacgcct	ttccatatct	tccaaggagt	1680
ccgaggtccc	nanagtga					1698

<210> 7261

<211> 246

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7261

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atgaggctcg aacttgctat cagtgaacct aactttcaac tgctccagaa ggattgggat	180
ccgtttgctg ccgtgttcat cccgttgaaa catgctagcc aatatcaagg cggccggcac	240
ccctga	246

<210> 7262

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7262

tatatgctag tctataactt tctcctatct attagtttta aatatatata tactaattat	60
tctgtcttta ttaaaccacag tattactata ctactctata tagataatat tcttatactt	120
ttaaattcta ataattttat taataacttc cttaagcagc taggaaaatt atttaaatat	180
actaataata gtaaggtttc tgtctaccta gggattaata tactatatta a	231

<210> 7263

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (94)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7263

cttatactag gaacctatct agatattact ttactatat ctaagcttgc ttacttcact	60
aggaatccta gccttaatta ctttattata gtanagtata tattctacta tctagcagag	120
atgcttttac tcttattatt ttatcctttt atatttagta atcttaatag ttttattaat	180
actaattag	189

<210> 7264

<211> 1281

<212> DNA

<213> A.fumigatus

<400> 7264

agacctttgg cctccccagc caacttcgca tccgctacgg cttatttcat agagcgacct	60
ccggcgaatt ttggcgagga acggcctact ctctcgacc ttctcaccat ctaccctcgg	120
accgaatcta aagactttcc ccggcgctcc cgggtgttga gccctcggac ggcgagatt	180
accagcagc actgggacat gtttctgaaa tatctcttcc ctccggatct gggccttgca	240
gcatcgtcag ctcaacttgc tggcgagctg agagccgaaa taaaaagga tcgaaaagat	300
cgccctcaag agaccgatga gcaacgcagg ctgcgcattg cagctgtgat tgaggaatgg	360
aacgaatgct tttttgagcc tcgtgcaact cgtatcgaat tcatttatgt gacagaatcg	420
gagaatgcgc ctgtctctcc attatgtcct cgttgttacc ctgccgcaac tagggcaaca	480

cgggcaaaacc	ggtcaacgca	tgcacaagaa	gctgggggaaa	gtccctcgtc	agtccccgcg	540
agcatgttgc	caaccgtcgc	agggaaccg	acagcaccac	cagcaagcgg	tacatacgca	600
cctggaatgt	tcccgtaacc	acctccgcag	atgcctcctg	ctccctaccc	gccatatgtt	660
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catgcatata	cttaccctcc	tcaaccgcct	tcacaatatc	agcagcctcc	ctcgtggggc	780
tggacaata	ctccgtatgg	gccacagtac	cagtactcga	gcacctccaa	aggtggccct	840
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caagcgcaac	attatggacg	gcaggtcgaa	gagcaagcca	tggctcatgg	acgctggata	960
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cctaccacgc	ctgctcgtag	aacatcagtc	agctctgttt	catctgagtc	atccttttca	1200
togattgatt	caatatcgac	gacgtctgac	cttagctcaa	ccgatttggc	gaccgttcga	1260
aacgcagctt	caatcgctta	a				1281

<210> 7265

<211> 276

<212> DNA

<213> A.fumigatus

<400> 7265

caacaccaac	ggctgcacct	ccgctgggtc	tactgtatg	tcctcttccc	agtggctact	60
ctgagaacca	gaactgaccg	acctccagtc	aacctctatg	gcaagacca	tggagctcct	120
gaggactccg	agcgccatgt	cggtgacctt	ggtaacttcg	agaccgatgc	tgagggtaac	180
gccgtcggct	ccaagcagga	caagcttatt	aagctgattg	gtgccgagag	cgttctgggc	240
gtaagttttt	ttttttctgc	agatggtaat	gcatag			276

<210> 7266

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7266

ctaactctcc	catcagttgc	tgctctccgt	ggtgactcca	agatcaccgg	caactgtcacc	60
ttcgagcagg	ccgacgagaa	ctctcccacc	acctctctct	ggaacatcaa	gggcaacgac	120
cccaacgcca	agcgtggctt	ccatgtccac	cagttcggtg	acaacaccaa	cggctgcacc	180
tccgctgggtc	ctcactgtat	gtctctctcc	cagtggtcac	tctga		225

<210> 7267

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7267

cggaccttgg	tcgttcacgc	cggtaccgac	gacctcgga	gggggtggca	cgaggagtcc	60
aagaagactg	gtaacgctgg	tgctcgtccc	gcctgtggta	agtgcactct	ggtctatgga	120
cacaaaagga	ggatgtacgt	taacttggtg	tctctttcga	caggtgtcat	tggtatcgcc	180
gcttaa						186

<210> 7268

<211> 1116

<212> DNA

<213> A.fumigatus

<400> 7268

aaccgaatac	ttgcatggca	aatgggtcgg	cagattgcgg	agcattcgca	ctacgttcaa	60
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ggaatggcct gggatcctct gaacgaattc gttgctactc agtcattcgga tcgatctgtc 120
catatctaca gcttgaagac aaaggatggc caatttacgt taacgtctca cgggaagtcc 180
ctcaaaatgg atcttccagc caaacgtatc tcgtccagca gccctgctcc gcctgaactt 240
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gtttccacga agccgacgcc tgacaagcct tccatggagc ctcttctgac tcttctgctg 900
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<210> 7269

<211> 681

<212> DNA

<213> A.fumigatus

<400> 7269

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cctccagcgg gaacagccca gcatcctgcg agcgctagca ccacgtccgc gaatcaagca 180
ccacaacat ccccgccaa taatcctcg ccgtcaagt tgagtcaacc ttctctgagc 240
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tgctcaatga ccacacaatc tcccattcaa caggtaactg ctacgaatc gggggatttt 360
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gtcacaaccc caattctgcc atttactaca ccacctcaga caccgatgtc tgcagtccg 480
caaagtggag caaactctgt gagcaacagt gttttgggga aaagagacat cagcgagtca 540
gagaaggagg actcaaagga ccagagttcg gtcccgcaag tacaacagcc gaagaagaga 600
cgcggtggccc cgactcttat ttccggccggc acaaactcca atcctccctc ctcttcatct 660
ccgaaccatg aagtctcata a
681

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<210> 7270

<211> 1992

<212> DNA

<213> A.fumigatus

<400> 7270

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cctcaacagt tcaactact tacaaccaca atgagctcgc cggcggagca ttcgtccagt 180
gaatcttcgc atggccacaa ctggccgaac cctgcccctc gccacccag gttcaatctc 240
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ctgcccatca gcagatacta ccctgatccc ccagcccctg acggcaccac gcagcccgac 600
tttgtcagac cggagaatgc cgcagcgaat attcccata tctatcttga gcgaatgagc 660
aagtccagcc gtgacttgaa catgtccgaa gcagaaacac tagggtaag cccgccggcg 720

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acaacggctg	tggttactgc	agcagctggg	tcgctcgcaa	acccaagcct	tacagccctt	840
gcgaacccca	cgggcgtctt	tatactgca	cccgtcctt	ctggcgctgt	ccgtgtgctt	900
gctcacatgg	ctcgagcaat	catcgaagac	gttgagagag	tcgtcatgaa	atatgcctac	960
atggagcttg	agcgagacgc	cagcgctgct	cctcagaccg	ttgcccggcc	aaatcttacc	1020
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cggcattgctc	gggatatgca	tgggggtgtg	atgagcgagg	tgatggctcg	tccgttcgct	1620
cctcttcttt	atggcgattg	tacagcatgc	aatgcaccac	aatgtgtgac	catcgagaga	1680
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gacactaaga	gaggcgagac	cgacctgggc	ttcctcaaga	tgtatgacag	cacgatgaac	1920
tcgggcctga	tcacgggoga	tattccaccg	gcccataagg	atgagagagt	acctccggaa	1980
tggtggagaa	ac					1992

<210> 7271

<211> 342

<212> DNA

<213> A.fumigatus

<400> 7271

acaatcatca	tggcctccaa	aacctggaac	gtcgggtatcg	taggctatgg	cttcagtgcc	60
aaaatcttcc	acattccctt	cgtcacagaa	gttcctcaat	tcaaactcta	tgctattgtg	120
cagcgcacac	ccaagcccga	ggacgatgcc	gagaaagacc	accctggaat	caagtcttat	180
cgcaccgctg	aggacatgat	caaggatgct	gcggctcgacg	ttgtgatcat	caccactgcc	240
ccagactcgc	attatgccct	agcgaggcta	gctctggaga	acggcaaaca	cgggtaatat	300
cctttcatcg	actatcttga	tggcacatgc	gctgatctat	ga		342

<210> 7272

<211> 717

<212> DNA

<213> A.fumigatus

<400> 7272

tctatgacca	atttcaatct	agttgtttgc	gaaaagccct	tcacacccac	ctcggaggag	60
gcgaatgacc	tcgttaccct	tgcgcagcag	cggaaacaggc	tggttgccgt	atatcagagt	120
acgttagacc	aaaccaaatt	cagtcgaaga	atccacttcc	aggaactgac	ttcgagattg	180
acagaccgcc	gattcgatgc	cgactttgtc	acattaacca	agctgggtgaa	gaacggctcg	240
cttgggccgag	ttgtcgaatt	tgagactcac	tttgaccgtc	atcgggccga	ggagccaccc	300
gccgatgttt	cgaaatggaa	gaacaaggtc	atcccgggtg	gcagcgccat	ctacgatctc	360
gggagccatc	tactcgatca	ggctgttcag	ctgatgggaa	tgccggatcg	gatcacaggc	420
ttcgttggct	cacagagggc	tgtgaacaca	accggttttg	aggactcggt	cactgttctg	480
ttgcactaca	acaatggact	tcttgtaacc	gccaaaggcg	gcgttgtgag	ccccaggagg	540
aagcagttgc	ggtactgggt	tcgaggagag	aagggtagct	tcaaaaagggt	aagaaatctg	600
atcacttttc	ctcggcctaa	cgctgacacg	gtctccatag	ttccacctcg	acattcagga	660
ggatcagctc	aaggctggaa	tgagaccggg	agacaacgga	tacgctcggg	agcctag	717

<210> 7273

<211> 267
 <212> DNA
 <213> A.fumigatus

<400> 7273
 gccgcatccg cattggaagg tttgggagtc atatggctaa cgatgctttg cacaggaacc 60
 ctgaccacca tccaagacgg caagcctgtc gctgagatct tcccaacagt ggaaccacct 120
 acgtacaccg aatattatcg gaagtttgcc cgtgctcttg ccggagaagg cgatctcccg 180
 gccagtgggtg cagaggccgc caaagtcctc agattgattg aactggcgaa ggaaagctcg 240
 aagcttggca agacaattga cgtttga 267

<210> 7274
 <211> 1323
 <212> DNA
 <213> A.fumigatus

<400> 7274
 aaagtaaagg tttgggatgt caagtccggc ttttgcattg tcacattcac cgagcattcg 60
 agcggagtca ccgcgtgcaa gtttgccaaag aaaggaagcg ttctatttac cgcattccctg 120
 gatggctcag tgagggcatg ggatctcatt cgctatcgca acttccgaac cttcactgca 180
 ccatcccga cgtctttcac ctctctcgcc gtcgacccaa gtgggtgaggt catttgtgcg 240
 gggtcaccgg attctttcga tatccatgtg tggtcagtac agacaggaca gtccttgac 300
 cagttgtccg gtcattgaagg gccggtgtcg tctctcgctg tgcggcgaga cggcaaccat 360
 ctagctagcg gcagctggga ccgtactgtc cgagtatgga gcatttttcgg aaggacgcag 420
 actagcgaac ctttgcagct catgtcagat attctggatg tggcattccg gcctgacggg 480
 aagcaggttg ccgcatctac tcttgacggg cagttgacct tttgggtctgt ggataacgca 540
 gtccaggaag gaggcattga tggtcgtcgc gatgtgtccg gcggccgcaa gatgggcgat 600
 cgtgtgacag ccgcgaactc agcagcaacc aaacatttca actgcatcac atacagcgct 660
 gacggctctt gtatcctggc tggaggcaac agcaagcaca tttgcctgta cgatgtgagg 720
 tccggcgcac tgctgaagaa atacacagtc agtgtcaaca cttctctaga cggcaccag 780
 gaattcctga acagtcgtga tttgacagag gctggccctc gaggtctcat tgacgagaca 840
 ggccaagcct cagatctgga agatcgcat gaccgcagcc ttcccggcgc gaaacgtggc 900
 gatgctggaa ccggtaaaac tgcaccagaa gtgcgtgtca ctgcagtcga cttctccca 960
 accgggctg cattttgtgc cgcttcgacg gaaggtcttc tagtgtacag tctcgacacc 1020
 gaatttgtct tcgatccgtt tgaccttgat ctcgatatca ctcccaccac tatccttgcc 1080
 acccttgatg ctgctaagaa ggcgcactcc atgaacacag cagacgatga caatacgttt 1140
 ttgaaagcac tagtcatggc tttccgtctt aacgagtcga aactgattcg cgctgtctat 1200
 gaggtatttc caccctcaga gattcctctt gtgggtgcgc cactgccaac tgtctacctt 1260
 tctcgcttcc tgcgattcgt agcccagctt tcaccacagg ggctagacag catccgcgct 1320
 taa 1323

<210> 7275
 <211> 765
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (23)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7275
 gggggacggg gtgctggatt ggntgggaga gccagaggca cccgacgaag agccggcaga 60
 gttgttagga acagatacaa ccacagtcga ggtgggcacg ttggcggtgc tgctctgggt 120
 gacgagggta gtggcggggg tctccgaggg ggtagtgggt gagtcggcac tggccgagcc 180
 agaagtcgcg gtagtcgtag gaggagtagt agtcgctcgt gtctcgggct tgccagtgg 240

cgaggacttc	gaagaagagg	actccgtcgc	ggaagaagac	ttggtctcgg	tggcggtcgg	300
gctggtcgaa	gacgactggg	aagtcgagcc	agtgtagcca	gggttggaga	taccaaactg	360
ggtcgagtag	tggtagtggc	cggtgccttc	gaccacgagc	agcagaccgt	agtgggtggt	420
gtcgggctcg	agcgaggtgc	tgggagtcca	gaaaaagctg	ccggagttag	ggatgctgtc	480
ggccagcgtc	tcaatgggca	ccacattggt	gctgggaccg	cgcaggagca	ccagcgagac	540
cgggccggtg	gtagtgggat	cccattgtgat	tgtgtacggc	ttgccagccg	ggaccaattc	600
gttcaggccg	ggcttgagga	tggcatttcc	cgtgggggtcc	tgggtgtagt	cggtcttggg	660
cgcggccatg	gcgagagccg	ccaggcagga	gacgacagac	gcaatggaga	gacgcatttt	720
attcgtaacc	gaaggaagga	ctgtaagatg	gtgctgctag	agtaa		765

<210> 7276

<211> 252

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (166)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7276

acctcttcca	cgggcaggat	tcaggagcac	gacaacgtcc	agtccatgtc	acatcctact	60
tggcaaaccg	actccctct	ggtcatttac	cggccaatcc	ggcgccagtc	cgccagtctt	120
ccgggaaatg	aggttacatc	tcaggcgccg	caaacgaacc	aattanccgt	gaatgctgtc	180
aaaaacgttg	gtcctgtttc	tgcactaaaa	cccggaggaa	acacggcgaa	aaactcagac	240
ttagtccaat	ag					252

<210> 7277

<211> 756

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (734)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7277

cagcaccatc	ttacagtcc	tccttcggtt	acgaataaaa	tgcgtctctc	cattgcgtct	60
gtcgtctcct	gcctggcggc	tctcgccatg	gccgcgacca	agcccagacta	caccagggac	120
cccacgggaa	atgccatcct	caagcccggc	ctgaacgaat	tgggtcccggc	tggcaagccg	180
tacacaatca	catgggatcc	caactaccac	gggcccgtct	cgctgggtgt	cctgcgcggg	240
cccagcacca	atgtgggtgc	cattgagacg	ctggccgaca	gcatcccca	ctccggcagc	300
ttttcctgga	ctcccagcac	ctcgtctgag	cccgcaccca	cccactacgg	tctgctgtct	360
gtggtcgaa	gcaccggcca	gtaccagtac	tcgacccagt	ttggtatctc	caaccctggc	420
tacactggct	cgacttccca	gtcgtcttcg	accagcccga	ccgccaccga	gaccaagtct	480
tcttccgcga	cggagtccct	ttcttcgaag	tcctcgacca	ctggcaagcc	cgagacgacg	540
acgactacta	ctcctcctac	gactaccgcg	acttctggct	cggccagtgc	cgactccacc	600
actaccgcct	cggagacccc	cgccactacc	ctcgtcacc	agagcagcac	cgccaacgtg	660
cccacctcga	ctgtgggtgt	atctgttct	aacaactctg	ccggctcttc	gtcgggtgcc	720
tctggctctc	ccanccaatc	cagcaccccg	tcccc			756

<210> 7278

<211> 600

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (580)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7278

acgaattggg	cccggtggc	aagccgtaca	caatcacatg	ggatcccact	accaccgggc	60
cgggtctcgt	ggtgctcctg	cgcggtccca	gcaccaatgt	ggtgcccatt	gagacgctgg	120
ccgacagcat	ccccaaactc	ggcagctttt	cctggactcc	cagcacctcg	ctcgagcccc	180
acaccaccca	ctacggtctg	ctgctcgtgg	tcgaaggcac	cggccagtac	cagtactcga	240
cccagtttgg	tatctccaac	cctggctaca	ctggctcgac	ttcccagtcg	tcttcgacca	300
gcccagaccg	caccgagacc	aagtcttctt	cgcgacgga	gtcctcttct	tcgaagtctt	360
cgaccactgg	caagcccag	acgacgacga	ctactactcc	tcctacgact	accgcgactt	420
ctggctcggc	cagtgcgac	tccaccacta	cgcctcggga	gacccccgcc	actaccctcg	480
tcacccagag	cagcaccgcc	aacgtgcccc	cctcgactgt	ggttgatatc	gttcctaaca	540
actctgccgg	ctcttcgctg	ggtgcctctg	gctctcccan	ccaatccagc	accccgctcc	600

<210> 7279

<211> 1347

<212> DNA

<213> A.fumigatus

<400> 7279

cctaatgtga	cagatgggtac	gtacatgatt	aactaccagc	ggaagcagct	gcctaattat	60
gtggcgccct	ccccggacat	ctatatgttg	catccggact	atggcacgta	cttcagtcac	120
gaccaggtct	cgacgatact	ggacaacttg	gacactcctg	accagagcta	ccagcagtat	180
ctggaccgcg	ttctagtcga	gaacgcccgc	gatgtcattc	atgtactctc	tttcgaaggg	240
gagctgttgt	acatatctcc	atcttgctcg	aagggtctcg	agtacgacct	aaacgagttg	300
attggaaaga	cactgtcgac	gatctgccat	cccagtgata	tgggtcctgt	catccgcgat	360
ctccgatcct	gcaccaactc	cgacccgggt	agtgtcatgt	accgcgttcg	gacaaagtat	420
agcgggtaca	tgtggtttga	aagtcacggc	tctgtggcaca	ttggcgaccg	cggccggcaa	480
tatttggtca	tgaccggccg	agtctgtccc	gtgtaccacc	tggaccagct	cgcaaacatt	540
ggcaatggcg	ggttagccga	gaacgatctg	tgggccaagc	tctcgatctc	tggcatcatc	600
ctcttcatgt	cctcgaaggc	tcgaccagta	cttggccgag	tgtccgatga	tctggctcgg	660
aaaggcattc	aagacctgat	cccagctgat	gcccgggaag	atgcaaaaca	ggcttttagag	720
gtggctcgca	cgggccagca	gacgagtttt	agccataaaa	tacggcacaa	aaagggccac	780
atggttcagg	cccaaaccac	attgtaccct	ggagacacaa	aagaagggga	gaaaccatca	840
tttttggctg	cgcagctgcg	atttcccaaa	tcgcccga	ctacccccgg	aactgaagag	900
gtcgtacctt	tcaatatcac	tgctacattt	tcgagggacg	ctagcgtaac	aggaagaaga	960
aacgtcactg	cggcaggcca	accaacttcc	gataagtcgg	caaggggttc	atccggtgat	1020
caatacgtgc	cggctcccga	tgaaccaaca	cttttcgccc	aactgaacac	ggcccagagg	1080
tcaagctggc	aatttgagct	ccgcgaacta	gagaaacaga	accgcgccct	gtccgacgag	1140
gtccaacgcc	tgcttgccgc	gaggaagaag	cgcaagagaa	agcagagcat	tgttcccgtc	1200
gaaaaggcgt	gcgccatgtg	ccagaccggg	accacgcccg	aatggcgcag	agggcccagt	1260
ggcaaccgcg	atctttgcaa	cagctgtggg	ctacgatggg	ctaagcaggt	ccgcaatgcg	1320
atacagaaaa	aggccccaac	cacttaa				1347

<210> 7280

<211> 588

<212> DNA

<213> A.fumigatus

<400> 7280

gacaggctct	cgacatggcc	cgagatctgg	accgtggtgt	accacgaaag	ccccagcatc	60
ggcggactca	actacctctc	catcgccatc	gggtcggttcg	cgggcctctt	cttcaacctc	120

aagtttgtcg	accgcatcta	caaaaccctc	aaagcgcgga	acaacaacaa	caacaacaac	180
ggtcagcccc	agttccgcat	gccgtcgtta	gctgtcggct	ccgtccctcag	cactattggc	240
ctcttctggg	acggctggag	catcggaac	acgcactgga	tcatgcccc	catcggtgct	300
ctgatgtaca	cgcagggcac	catttcgtgc	ttgcaaggca	tgcagacata	tatcgtcgac	360
agctacacaa	cctacggggc	cagcgccatg	gcggcctgcg	cggtcccttcg	cagtctggct	420
gggtttggct	ttccactctt	cgccccgtac	atttaccagt	ctctgggcta	tggatggggg	480
accagcgtgc	tggcattcgt	caccgtgggt	attggctgcg	tggcgccctt	tgcgttttgg	540
cggtttggac	ccaggctgcg	cgcaatttcc	aggtacgctg	ctggctag		588

<210> 7281

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7281

gaatggggta	gagctacgtc	catcatcatg	aaggccaaca	cttttggtgc	ctttgctcgg	60
tctttcagca	acgcttgccg	tgcggccgtg	gcttcgttca	gcaataccct	ttttgggtcc	120
gctttggctt	ccaggaatcc	ttggccaact	tggaggataa	gatggagaat	ggtcggggat	180
tcttcttga						189

<210> 7282

<211> 588

<212> DNA

<213> A.fumigatus

<400> 7282

ataattcgac	cgttctgcgg	ggtcaacgta	atcgccatt	attccaccac	catcttcgtc	60
gaatccgggt	acggcatcca	agaagccctc	ctcgcatcca	tgggcaccgg	catcctcaac	120
tgggtcttcg	ctctccccgc	ctttttcacc	atcgacacct	ggggcccgcc	caacctcctg	180
ctcttcacct	tccccctcct	ggccatctgc	ctcttctggt	ccggcttctc	cttctggatc	240
gaacccgacg	acccttgag	caagaagcgt	gtcgccatgg	tcacgacagg	catgtatctg	300
ttcgaggtct	tctactcgcc	cggcgagggt	cccgctgccg	tcacgtactc	ggcggaggca	360
ttcccgtctg	acgtgcggga	agtggggatg	togtgggcca	cggcgaccac	ctgggttttc	420
aacttcattc	tctcgtttac	gtggccgatg	ctgctggaca	cgttcaagcc	gcagggtgcg	480
tttgggtggg	atgcggcggt	gtgtctgggc	ggttgggtgc	tgatcttgc	ttttgtcccg	540
gagaccaagg	gtgagtctgt	ttccccctgt	cactcgtctg	gacgctga		588

<210> 7283

<211> 723

<212> DNA

<213> A.fumigatus

<400> 7283

tacgcggcat	gcctcctcgt	cgacacagaa	aacacctggt	ccagttcctc	caacgtaaga	60
gctgcaatca	taagcacatc	agcgtccaga	cgagtgcag	ggggaaacag	actcaccctt	120
ggtctccggg	acaaaaagca	agatcagcac	ccaaccgacc	agacaccacg	ccgcatacca	180
cccaaacgca	ccctgcggct	tgaacgtgtc	cagcagcatc	ggccacgtaa	acgagagaat	240
gaagttgaaa	caccaggtgg	tgcgcgtggc	ccacgacatc	cccacttccc	gcacgtgcag	300
cgggaatgcc	tccgccgagt	acgtgaacgg	cacgggaccc	tgcgccggcg	agtagaagac	360
ctcgaacaga	tacatgcctg	togtgacct	ggcgacacgc	ttcttgctca	aggggtcgtc	420
gggttcgatc	cagaaggaga	agcccgacca	gaagaggcag	atggccaggga	gggggaaggt	480
gaagagcagg	aggttgccgc	ggccccaggt	gtcgatggtg	aaaaaggcgg	ggagagcgaa	540
gacccagttg	aggatgccgg	tgcccatgga	tgcgaggagg	gcttcttgga	tgcggtaccc	600
ggattcgacg	aagatggtgg	tgggaataata	ggcgattacg	ttgaccccg	agaacggctg	660
aattatttag	cccagtgcgg	tttccaagtc	caatggaatc	aaacactcgt	acctgttgca	720
tga						723

<210> 7284
 <211> 918
 <212> DNA
 <213> A.fumigatus

<400> 7284
 atcagctata ccatgaacct ggcacaagcg acacaggcag tccttgagga acttaaactg 60
 attccctcgg aggagacccc ctttcaaaga ccgctgccct ggcggccgctc actcgcgctc 120
 aaccgcccgcg gggaggacgt ccgtcccatt ttctggcgca acaggaaactc ctccctacatt 180
 gcccgtagac agacatggga tgaattcccc aacggccggt ggaccgactc tcgggtccctc 240
 gccttttggtg agcttgacgc ttatggcatc ggccttaaag gcacaaacga gcagaacatc 300
 aaactgtggg gcgagcccaa gtctattcgc gatataacgc agattttcgt tcgctacctg 360
 gaaggggaagc tggatcgccct gccatggagc gactcgccaa tcagtggcga agccaatgcc 420
 atcaaggaca acctagtcca actgaatagc aggggtctac tcacagtcaa ctcgcaacct 480
 gccgtgaacg gcgtgaggtc gtctcaccct gtgtttggct ggggtcctaa gaatggcttc 540
 gtctacaaaa aggcatacct cgagctcttc gtacccccct atctgcttga cgagctgatc 600
 gctcggatcg agaagaacct cgacttgacc taccatgccg tggccaagaa tcgcgaattg 660
 cgcaccaata ctcttgacag cccaaatgct ctgacttggg gtatcttcgc cggacgagaa 720
 atcgtccagc cgaccattgt ggatacgatc agtttcttag cttggaagga tgaggcatac 780
 cgcttgggtg aagactgggc caagtgtcat gatgccagca gcccgagtcg aaagttgatc 840
 caggacatta tggacaactg gtacctggtc aacatcggtg agtttgcggt tgctccctgc 900
 atgtgttcga attgctaa 918

<210> 7285
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 7285
 gtttgcgttt gctccctgca tgtgttcgaa ttgctaacc tggataacct agttaacaac 60
 gacttccaca acacgtatga cctcttcgac ctgttcaatg gtctggaagt gaaagacctt 120
 gacctggagg tcggcccgga cacagccgag acgaagtccc agccaaacgg agcagccccc 180
 gaagaagtcg ccataaaaaa ctaa 204

<210> 7286
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 7286
 tcacataata ctgttgcatt gatggcgaga ggggttcttg actggtttct tcagctgtct 60
 atcattacta cgcgaaagt tgggcctcca cactttaaga ctgggactat tcttacgcgg 120
 gcggagaaat atgactccta ctttggcaac tttgtgatgg agcaaacaag aggtgatgta 180
 ctactgtag 189

<210> 7287
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 7287
 aggacaaggc caagaatcct ccgagcattc cttcacggag aaccgaagtc aagtccgtta 60
 tcgcctgttc cttcaagacg cctccccaac cgcttctct cctcgcaaaa gaggggttac 120
 tccgactacc actcccttca aatgattatt tactactttc aatatatcac cctcccttca 180
 tetaattcta ctgtctctat ataa 204

<210> 7288
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 7288
 atgggtcgccg ctgcgaagct ggagcgtgag gcggtcgaaa agaaaaatga acaattacga 60
 gctcaggtga aggacacaga attactgctt gcatctcatc aagaacagct agccgagctt 120
 aagtctgtga tgcaaggaat gaatatggcc aaggacgatg tcgaagtccg caccaccatt 180
 tctacagtgc catcttcgcc agatgggcat caacaattac ctggtatatt tccgaggagc 240
 ctggagactg ctgatcctcc cgaacaatcg ccgcacgtgg aggagatcgt cccaggcccc 300
 tcgaccagtt ttcctcatct gttcaaata gatatgcgga cggatattca ggcttttgaa 360
 gatttccgag aactgttcag tcta 384

<210> 7289
 <211> 816
 <212> DNA
 <213> A.fumigatus

<400> 7289
 cacctgaact gggtcaccgc gcctcttcag ttctctgaat tcgttgccgc tctctccagt 60
 ccgccatggc agagtatgtg cccattgcct caccgaaacc tgagtatggg gactattgaa 120
 gttactaact tcatgagcag tttaattgca ttccaaacct atcatctccg gcatagcttt 180
 ctttcacctt ccaatatgat tccccgttcc agcaatcaca agcggtcctt ctcttccggt 240
 cccagggtcac tttctcctga tagaacagtg accaaaacca agtccaccaa tgatctcgca 300
 gcgactgcca ccgagaagcc ttctcttgca actcgttcca atagtgtggt ggatatccct 360
 gatagcgggt tcagtacitt gagagaccca agactcgtga ataactctga ggcacccgac 420
 acatcgtcaa cgccgtccca tcatccggat ttgagcagtg aggttgctgc tttgagtgtg 480
 aaattgatac aggcgatcaa taatcagact acgctcgatg acaacctggt tgccaccgca 540
 caggagttgg aacaggctca gaatcggatc aagtcattgg agtcggaaaa tgagaagtac 600
 cgacatgata ttgagcaggc ggttcttatt aagaaagccg atgcggaccg tgagatctcg 660
 cagttgaagg ctgctcttgc ggaggagaag gctcagcgcg ccattgtcga gaaaagtaaa 720
 aagaccattg aacaggaact ggagactcta actgcggcac tcttcgagga ggcgaataag 780
 gtatgtcgat atcaattttt gactagacat tattaa 816

<210> 7290
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 7290
 gctgtaccga ctctttcgtt caggatgaaa ctacacgccc ttatcccgct cctttttgcc 60
 cctcttgagc ctctggctgc tctttctgga gtctctaatg gagtggtcga caccaacagt 120
 gagctctcct gctataatac agaaattcga acatctaaca aagctagacg atgctactct 180
 cgccaacgga gctcttga 198

<210> 7291
 <211> 1218
 <212> DNA
 <213> A.fumigatus

<400> 7291
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 agcgaattcc aacagggtgc cgactttgag catctggcca aatgtgccga acagatcttt 180

gtcgaagaag	ggcggaggctt	gaaggatgaa	atacgaaatg	accagccgga	cggcgctaca	240
ctgtgggttc	gatggagaga	gcgattccac	agttctatct	accgcgtcct	cctggcgggc	300
gccattctct	ctcgtgcata	ccaggaaccg	atgtattttg	cggcagagtg	gggactaccg	360
aattttcttg	agaagtacgt	ggaggcattg	gcattctggtg	gcatgtcggg	cgagcctgtg	420
ggtggagacg	agctcgatta	tctcgtgacc	tttggccccct	acaatcttgg	agagagtggg	480
cgcatcatg	ggagcttcag	ggctcttggg	gagttttttg	ttcagcaagg	caagacgcgc	540
gcgcaccagt	ctaacccttca	cgagcaaacc	accgcgatcc	ttcccccttt	cgcagcgccg	600
caagccctta	gtcgctcggg	ggcggctgtt	gtgttcgtcg	aactgggtca	gctgtttttt	660
gccttggagg	ttttgacggg	cattcaggac	aggcaaccaa	tcattgtcaa	tggggacggc	720
tccgatgaac	atgggagAAC	tagaattgcc	cgggatcttc	tctacaagcc	tgccagaacg	780
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tcaggggtag	ggtttcagca	tatctaccag	ttcctgtatg	atctgtaccg	aatggcgggc	960
cgtgacaatg	aattctcatc	ccaaaacctt	gcgcgggtatc	ctcaccatca	attcttcgag	1020
tacatgttta	gagagtacct	gggtctccag	ttcgttgaca	gagagtttga	ctgtcattat	1080
gatgagttca	tgggggatgg	cttcattcttc	gcggaacgcg	atgatcttct	cgctgcctct	1140
gattttatcg	aaacaagtga	tatgacagcc	ctagctgcat	tatttgagcc	agcagcttca	1200
gttactagga	aagcttga					1218

<210> 7292

<211> 1584

<212> DNA

<213> A.fumigatus

<400> 7292

attcaacaat	ggatgaagtg	ttctggcaag	gacatacaga	gttcgacagt	catatgcgaa	60
ccacctttgc	tggtggcagt	tgaagactg	agtagcttga	cacttcaaca	tccgaatcct	120
gggcttgta	agagacttgt	gtatcccatt	cttctaccac	tctgggggtt	ggcttgtttt	180
tccttgagc	aacaaagacc	caagctccat	gagaaagtca	tggcaatctt	acagacatat	240
tttggcatat	cggtcggtat	ccaacctttg	aagaagctgg	tcgataatct	cctctgggat	300
ggtggtgcga	cgtggactta	tggcctggat	tccaacaacc	tcttgggtgt	agaaaagcgt	360
aaaagcacgg	gatcggaag	atcgaatatt	gtacgactgg	ttgataccct	acaatcccgg	420
gccaagctct	ttgttacttt	actgggagct	gacccgagta	gcgaagaacg	gactggcgat	480
atctttctat	atgtgagcca	gagttggctc	gtccaaccag	cacaagagcg	ctccttgggc	540
cgactgcagt	tgcttttggg	taatgatgat	tcaaccaata	ttattcaaaa	attagtaagc	600
gcgaagctgg	cagaagtgtc	cctggaaaac	ttcaaggata	ccctttcacg	gcggccactt	660
cgagtgcctg	agctcataaa	gcaagttatc	gaaggcgaat	tgaacagggg	caggggtatct	720
cagaagatca	aacctcaaga	ctccaaaggg	gtgtcacttt	cgctcctagc	aaacatcggt	780
gcgaatgaaa	atcacgggca	ggaggaagcg	gtgaccgaaa	ctgacgcagc	agagtcactg	840
cgggctgtgt	tcagtttact	ttccaccgtg	ctggcgctcc	ccgatttttc	tgtgacacag	900
gagacgttgc	ccgtccttca	agagctgaaa	ctagtgtctg	atgatctgat	accgcactca	960
ccatcatctc	ttgccaaagg	aggcacaacc	tcgtcgatgc	tggtggagat	ccatatcacc	1020
tcacccgacg	aagggtggca	ggcaaaatcg	cctgttcaga	tctcggactt	tgaaacacat	1080
cgcgcagcat	tgaccaatct	caattctgat	cttccacccg	tacaagctga	agggttctcg	1140
ctcctatctg	atcttatcaa	aagatcctca	ccagttctgg	acataccttc	cacattaacc	1200
ctgcttttgt	cggttattac	cgatcaatcc	ggatcggccg	ccgacgcagc	attcatatat	1260
ctaaacgcaa	tcaaattgat	aggcacgcta	gcacgagggc	acccacgcac	agtcgtgaaa	1320
acactggtag	accgctacat	cgacagagcc	gaaactgttg	gtctcgacca	gagactcaga	1380
atcggagagt	ccttattgcg	aacagttcag	gatcttgag	aggccttgac	aggtgaaaca	1440
gcaaaaattc	tcggtgaggg	tatgattact	gttgctggac	ggcgagcacg	caaagcgaaa	1500
acgcacaagc	gtcgggaagga	agagctcgag	aaggagaaac	gagcaagaga	gcgcgaagag	1560
cgccgaaata	aggagcctgc	tatg				1584

<210> 7293

<211> 285

<212> DNA

<213> A.fumigatus

<400> 7293

catgccgacg	gatcatacac	caccgcgccc	acctcctcgt	cctccttgcg	cccactgctc	60
actatccgtc	ccagggtccgc	attcccactc	cacagatccc	catgcaccac	cactggcggtg	120
atccccctccc	ccttccccctc	gggggtcatac	cccagggtgcc	catccctcag	cagcgccggc	180
accacactgc	gcaccgtccg	ctccaccatc	tgcgcgaacc	ccacatcctt	cccattccgc	240
ttctccgacg	tctccagtag	cgteaacagc	cgttcctgcg	cgtag		285

<210> 7294

<211> 429

<212> DNA

<213> A.fumigatus

<400> 7294

agcttcatgc	gggggtggttt	tggtcgtgag	ctctttgacc	gttctatttt	cactgtacag	60
acgctgaacc	cgcgcagttt	agtccccacg	ctcgtttgtc	ctacgggaca	gagcgacgga	120
aatgacctca	agctcaagtc	attcatcctg	gagtactatg	aagaagctta	tcccgatcat	180
cagccgcgtc	tgcttcctgg	agaccctac	gagaaagccc	gcgcaaagg	ctggatggat	240
tttgaacga	cctgggtgat	tcccgcgctc	cattgcttcc	tgcagtacca	gcctcagtcc	300
aaggacgagg	acgtggctac	tgagactgac	aaggctccgc	aggagtttct	ggcccgctctg	360
aaggagtcca	ccaaagagat	gcatcccggg	ggaccaactt	ttcttgggga	atcggtattc	420
aatgcctga						429

<210> 7295

<211> 783

<212> DNA

<213> A.fumigatus

<400> 7295

atgccctttt	gccggaaatt	tgggtccccg	ggggtttatg	ccctcttggg	gcaatttagc	60
cctgggaggg	cccgttggga	acgcgcccaa	gaccagccaa	gaaccaagga	cccaagggtc	120
tttttttctt	tggggccgga	ttttcttttg	aagttgggtg	ctggtgctgg	cgggcccggg	180
gccggggcga	ccggggcgag	ttctctcggc	gcagcggtcg	ggccaagtct	acactctacg	240
ccttgccgcg	gcggaacccg	gagacgggca	agcgggcggt	ttgggttccc	cgtaccgacg	300
ttctgccccg	acacaaagca	gccgaaccga	tggcgggatt	cgtgggcgga	attctacgcg	360
caggaacggc	tggtgacggt	actggagacg	tccgagaagc	ggaatgggaa	ggatgtgggg	420
ttgcgcgaga	tggtggagcg	gacgggtgcg	agtgtggtgc	cggcgctgct	gagggatggg	480
cacctggggg	atgaccgcga	ggggaagggg	gaggggatca	cgccagtggg	ggtgcatggg	540
gatctgtgga	gtgggaatgc	ggacctggga	cggatagtga	gcagtgggcg	caaggaggac	600
gaggaggtgg	gcgcggtggg	gtatgatccg	tcggcatgct	acgcacacag	cgagtatgag	660
ctgggggatta	tgaagatggt	tgggggggtt	gggcggcgct	tcttcgaggc	gtatcatcgc	720
attgtgcccc	agaccgagcc	agtggaggaa	tatgaggacc	gcgtgaggtt	gtatgagctg	780
taa						783

<210> 7296

<211> 252

<212> DNA

<213> A.fumigatus

<400> 7296

gtcagcagat	ctccatcaca	gaatcaacga	atgcaaagac	ctaattgccg	gttcctgtcc	60
caaaccctgc	cacaaagtct	ctgggttgatc	tgcaaatacc	aggaaccggc	tagaaataac	120
caggtcacta	cgatgccttc	cgttccagac	gccgagatct	atcccgaagc	cagcggacca	180
gcaaaagcgc	tggtcgacag	gcatcaggcg	gagcagcctt	tgaagcttca	tgccgggtgg	240
ttttgttcgt	ga					252

<210> 7297
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 7297
 ggcaaggggt attgtgaagc cctgccggtg atggccgcga ggctgcttaa gccggcggct 60
 gatacgaaga tcttctgtg tgggccgcca gggatgatca atgcggcgaa gaagggggctt 120
 gtctcgtggt gcttcgagga gccgggcgct gtgggcaaga tgactgatca gattttttgt 180
 ttctag 186

<210> 7298
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 7298
 cttgtaccag catgcgtctg ggcctcagca gggtacaatg tccatgtccg cgatccgagt 60
 cccaacagc gcgaagactg cctcgctac gtcaggata acgtggccgc atacgccgag 120
 agcacaggac agaagccagg aacagtcggg actaccgaaa gcctcgagga agcagtggtat 180
 aatgcctggc tggtcacga gccggtgccg gagaagatcc tgctcaagat cgatgcgttt 240
 gctgaactcg atgcccgcgc gccgagtgc tgtatcctcg cgtccaactc gtcgtcgtac 300
 aagtcttcgg agatgcttga gaaggtgtca gaggcgacga aatcccggat cctgaatatg 360
 cactactaca tgccgcgcga gtgcgatgata gtcgagctca tgacggatgg gcacacctcg 420
 gccgacatct tcccgtttat gggtgaccgg tccaaggagg cggcgacg 468

<210> 7299
 <211> 531
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (153)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7299
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 tacaccgtcg ccggctccga gaccaacact ttntgggctt cggacctgat gcaccgtctg 180
 taccatgtgc ctgctgtggg tcaaggctgg gtcgaccact tcgccgacgg ctacgacgag 240
 gtgattgccc tggccaagag caacggcact gagtccacgc atgactcgga ggcgttgacg 300
 tatttcgccc ccgaggcgta tgcgtttgat attgccgtc ccggtgtcgg atgtgctggc 360
 gagagtcacg gccctgacca gggacatgac accgggtctg cctcggcgcc tcggtctacc 420
 tccacctcta gtcacagtc gggctcgggc tcgggcgcca cgactacccc gacggattct 480
 cccagtgcc ctattgatgt gccgtcggta aggacagtcc ggatctcgta a 531

<210> 7300
 <211> 507
 <212> DNA
 <213> A.fumigatus

<400> 7300
 ggatgttcta cctctggcta caatgcaaga gtcacgcacc atccaacctt gaagaaagaa 60
 aatgtactca caaatggctg ctctcttcac gcattgcagt tatcctcccc ctggccgcgc 120

eggcttgtgg	ccacctccc	tacctcccc	gtccccatcg	cggcgcgagc	aacccccac	180
gaaccgtct	tcttctcctg	ggacgctggc	gcggtgacct	cgttcccat	ccactccagc	240
tgcaatgcga	cccagcgccg	gcagatcgag	gccggcctga	acgaggcgg	cgagctcgcc	300
cggcacgcca	aggcccacat	cctccgctgg	ggcaacgaga	gcgagatcta	ccggaagtac	360
tttggcaacc	ggcccacat	ggaggcgcgc	ggtgcctacg	atgtcatcgt	gaacggggac	420
aaggccaacg	tgtcttccg	gtgtgacaac	cccgcggca	actgtgcttt	ggaaggtaag	480
gatccccct	ccattctccc	gaagtga				507

<210> 7301

<211> 345

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (107), (219), (298)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7301

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gatggggcca	tgggtatctc	aagcaagacc	gccacttgcc	aaacatgcgg	tggctctctt	180
caagtctgca	acgggcattt	cggccatgtg	agactcgtnt	ttacttgcc	tccatgtcgg	240
atacttcaaa	cgtgttatca	gcattctgca	ggaaatttgc	aaggagtgtt	cgcgcatntt	300
gctgcccga	gcagagcgac	gtgcttttct	tcgccaagat	gcgtt		345

<210> 7302

<211> 675

<212> DNA

<213> A.fumigatus

<400> 7302

agggagtttc	attccgggcc	ccggcccaat	tttctggaaa	gacggaggaa	ttgccgttcc	60
cgaggggggg	gaggattcaa	ggagcccata	cgttcctggg	taacaatgac	tttccccgg	120
aggagtacat	tggcaaagtc	cattgagctt	tgcggggcaa	acagaggcga	gcagaagagt	180
ttagagtatt	tcacaccaag	gcaggtcatt	cttaagtatg	aactgcatgt	tgtcaactc	240
gttgatgact	tcttcggcaa	gctcaagggg	tctaccaaag	gctacgccag	cctggactat	300
gaggagtccg	cttggcaaac	agggaaacatc	gtcaagctgc	aacttttgg	aaataaggcg	360
cctgtcgatg	ctgttgctcg	catcgtccac	tcaagtcaag	tggaaaggct	cggacgacaa	420
tgggtgacaa	aattcaagga	gcattgtcgat	cgacaactgt	tcgaggttgt	gatccaggct	480
gctgttggta	aaaagatcat	cgcccagag	acagtcaaac	cctaccgaaa	agatgtcttg	540
gccaagctcc	atgctagcga	tgtcagtcgg	cgccggaaac	tgctggagaa	gcagaaagaa	600
ggacgaaaga	gactgagagc	tgttggaac	gtggtgattg	agcacaaggc	attccaggcc	660
ttctcgcga	aataa					675

<210> 7303

<211> 450

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (55)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7303

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cttatctccc ttgccggtct gcacagcaac gccacgatca cgaccgagct ttcacgcgcc 120
ttcaaggatg agggaatgct cgcttacgtg cgactgatcc agtcccgcga gaaggaactc 180
ggggtcgagg tcctcaccca ccagaaatgg agcggtgcac catacatgga cggcatctta 240
ggcgccatcc agagcggcag tagcagcagc aagagcatgg gagagggaaa cactgagaag 300
ggtaagctgt ctatccactt cgacttgcta gcaataaatg ctaacaatcc aaaattacag 360
gcttctaagc aaatcccccg tcatggccgg attataataa tgccaagcgt cttgcttgac 420
aggtgtagag ataaaaaaaa atccccatag 450

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<210> 7304

<211> 345

<212> DNA

<213> A.fumigatus

<400> 7304

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cccggaggac aggactcgca gatcgtgacc aaggagtctg ttaccacacat gcggtcgaac 60
tatgtgctcc agaccgcaga tgatccacca gccttcatca ttgtcaagac tgaaggatgg 120
ctgacaggcg ccaaagacgt tctggataag gtcaacgacc ctaatatgct ggacacaatc 180
aatcccaaca cctacaagta tcgccttaat ctttccatgg aaactggaga tgagcgttat 240
gctttcctga acactctcat gtgggttgcc agtggttgcc gcaggggcca tgaaggctcg 300
tcgagatact cttgtagttt acggagtcac gctaacaacc tatag 345

```

<210> 7305

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 7305

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aaaatactcc tatgcaaact ccgcgtgggtc tatcttgtca cacagccaat cttccgattc 120
tcctatcata ttttcatcca tagcgtecat ccttccccca tctgcccagag gcgggggtggc 180
agggacgcaga gcctggatag accgcactcc gggacacaca caatgccac atatcctatc 240
cggcgcaggc cccgcgagtg caagacctgc ctaccgtgtc gtgcgagtaa ggtccgttgt 300
gatcgcaatg taccatgcgg caattgcgtc aagcgcaact tcaactgctc ctacggccgc 360
ccgcctccca aggaccata tccactacct acaccgacag ccacgactgc gacgacatct 420
ctgcctaaaa cccgcgactc ctccctctcta ccggcataca ctccgactta ccaccaaacg 480
acaaatatct cgggtcacga tgcctccttt ggaacgggga caggtaaccga ttccactccc 540
gatcaggagc cattgtcggg tacctgtgtg atcacacagg gagaatggga tgagattaac 600
gccaaaatgc gcgcaatgga acagatcctg ggcagtttgc acacattatt cgatacacgc 660
gcacggagga aacccgataa tcaggtcacg gacatctctc ccgaagcaga aggctctccg 720
ccgtccgaag gcatctatga gcctgacgcg ctccggacgg gctccgtcca tatagggtcg 780
aggtcggcac tagttgacat tttgaacagg tcgaaagttg ccgagggcac tgcgcaggcg 840
ctgcccagg atgaccttct cgcagagctg gcgatgggaa acgagtcggc cgcgtatccg 900
ttcgtcgacc tatggtcgtc ggatccgtat acattcaaca tcgctggcgt ttgtggagta 960
ttaccccatg atgaccaatg tcgacggtat gggaattggt ttcgatggtc gattgttttg 1020
ccttactaa 1029

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<210> 7306

<211> 858

<212> DNA

<213> A.fumigatus

<400> 7306

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ccgaggttcg tagctgctgt tggacacatc gaccaggcac tttttttgtg gatacatttc 60
ctacctgctt gtccatctca ccttcgatta tctctttcct catatacaac ccctctaaaa 120
atggctgaaa aagaccaaga ccaccctccc tccgctctct cgcaccttc ctacatgagt 180

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gataccacct	ccgatcccgc	cctacttgat	cccttttcgcg	ccatcgctg	gtccaactcc	240
ctcctcaact	cccccgacta	ctatcccatc	cgcacctggg	cccgactctt	caagccacac	300
acaggcgaag	atggctactt	cgccatcacc	ttggtcacat	cctccaccat	cccgcactgt	360
ctgactctcc	gccggcgcaa	cctcctccct	cccccgagg	agcctcccgt	ctggcccagt	420
cccaccgcaa	ccccgtcgtc	ggcgccctcg	ccaattcccc	cggatatcat	tatgatgggt	480
gacctcgga	cgcccggtg	gagtggccac	ccgtccaccg	ctcatggcgg	cgctcgggcc	540
acgctgattg	acgaggccat	gtccttggca	gtcgccatcc	atgctccgtc	ctccggggac	600
catccgcggg	gtgccatcta	cactgcgcag	ctggacgtcc	gatacaagaa	accctccgt	660
gtgcctggct	tagttgtcat	ccgcgcgaaa	gtcggtggcta	gggtcggaag	gaagtactgg	720
gtgcgtgcgc	aagcggtgca	ggaagaaagt	gacgagaaca	acggccgcgg	gctcgggggg	780
cctctggaat	gggcgaaaaa	gaaaaccgtg	gtgaccgatg	ccatggcggt	ttggatacaa	840
actgctcctt	cgttgtga					858

<210> 7307

<211> 462

<212> DNA

<213> A.fumigatus

<400> 7307

agtcgatgtt	cagcgtcacg	gtcgggtacc	agtacttggc	cagtttcccc	tttgccgatt	60
ccgtttctgc	agcgtcgctc	gtgggtgcctc	cctccttcgt	caccttgccc	atgctgtcaa	120
acccatccag	cgccatcggt	aacatgtcca	ccagaaacgc	cacggcctca	ttcgtccacc	180
ggcctccgt	gttcccacca	ggccggaacc	gtgcccactg	gtcgacaacc	ggcggttgc	240
ccagcgcagg	atccggtccg	tacagttcaa	cctgctgcga	cgcccggcgg	aacttgggaa	300
acggcgcaac	cagccggacc	cattgcccac	cacgaccggt	ctcccgaat	gctgcaaggt	360
tcacacgacc	ctgaggcccc	gacccgcgaa	ttgcctcggg	tagcaaggtc	cagctcgagg	420
gcgcccatac	gcccaattca	gctgtcgcgg	ggctcaccgt	ga		462

<210> 7308

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7308

gcacatgagc	aacaacgggc	attcctttgt	ttttggatgg	tatggtatga	ctctgatcct	60
ttagtattat	tccttgtgcc	accagtcctg	aataataatt	acaataacaa	taacaataac	120
aacaacaaca	aagataataa	gaatagttac	acctactgtg	taaagtgccg	gtcgttcctt	180
gatttcgacg	atacggagtc	aactacggga	gtactactct	gtagcactct	gtaa	234

<210> 7309

<211> 411

<212> DNA

<213> A.fumigatus

<400> 7309

ggacagccca	acatcggtgca	atacattgat	caccatgaac	atgacagatg	gatttatatt	60
atcatggaat	atgtgcctgg	cggcgagctt	tctacttata	tttcaattca	tggcaaaatt	120
cctgaagaca	tgggtcaaaac	attggccccg	cagctcctgc	atgcattgca	atatcttcac	180
aaacgcagga	ttacgcacgc	tgacataaag	ccagataaca	tcctgatcgc	ttcgcttgaa	240
ccgttaagag	tgaaactgtc	agactttgga	ttgtcgaaag	tcgctcaaga	ggagaccttt	300
ttgaagacat	tttgtggcac	tttgttgtac	tgcgcgcccc	aggtgtatcc	ggaatatgag	360
aactaccgac	gaggtgaaat	cagaaaaaga	cgtcgattgg	gtgatccgta	a	411

<210> 7310

<211> 903

<212> DNA

<213> A.fumigatus

<400> 7310

cttatattga	tttgtagtcc	tccgaaaacg	tccccttacg	atcagtcctg	cgatatgtgg	60
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gacgacagag	gatctcagat	gttgcggaat	atcatgacta	ccgagcctga	ttatgacgta	180
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<210> 7311

<211> 456

<212> DNA

<213> A.fumigatus

<400> 7311

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<210> 7312

<211> 357

<212> DNA

<213> A.fumigatus

<400> 7312

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<210> 7313

<211> 630

<212> DNA

<213> A.fumigatus

<400> 7313

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<210> 7314

<211> 426

<212> DNA

<213> A.fumigatus

<400> 7314

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<210> 7315

<211> 1263

<212> DNA

<213> A.fumigatus

<400> 7315

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<210> 7316

<211> 1446

<212> DNA

<213> A.fumigatus

<400> 7316

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<210> 7317

<211> 1797

<212> DNA

<213> A.fumigatus

<400> 7317

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<210> 7318

<211> 2736

<212> DNA

<213> A.fumigatus

<400> 7318

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<210> 7319

<211> 264

<212> DNA

<213> A.fumigatus

<400> 7319

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<210> 7320

<211> 402

<212> DNA

<213> A.fumigatus

<400> 7320

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<210> 7321

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7321

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<210> 7322

<211> 747

<212> DNA

<213> A.fumigatus

<400> 7322

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caaatcattg	gaattcacgc	tatctttgga	ggattcatca	ttggcttggt	atgccccac	600
gaaggtgggt	tcgcgatcaa	gttaaccgag	aagattgaag	acctggttgc	ggtcctgttc	660
cttcggttat	atttcaatct	ttcggcctac	tccaccaatc	tcgttctgct	cgtattcgcc	720
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<210> 7323

<211> 504

<212> DNA

<213> A.fumigatus

<400> 7323

ttggaccagg	cttcgatcat	cattattctt	tgtcgccctga	ttcactggcc	gctttccaag	60
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atggggcgga	ttcccgggtt	cacagaggca	atcttccctg	ctgcatctat	tcccaacctg	180
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ctgcgtttcc	tcatacagtaa	ctggcgcgctg	gcggcgagtg	tctcagcggc	ggggatgatt	300
ctgccattcg	gactcggctc	cgcgatctcg	tatggctctgt	atcacacgtt	ccgaacagag	360
cctggaatgg	ctcatatcga	tttcggaacg	tatctgctct	ttattggcat	tgccatggcg	420
atcacggtgg	gtgttatgac	atcccaacga	ttgatgacaa	ctactcattc	aggcaggctt	480
tcccggctct	gtgcgctatc	ttga				504

<210> 7324

<211> 309

<212> DNA

<213> A.fumigatus

<400> 7324

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ggcaaagtgc	gcgatctgta	cgaagtgcac	gacaagactc	ttcttttcat	tgcgactgat	180
cgcactctcc	cgtacgatgt	gatcatggag	aatgtacggc	tctacgtctt	ggatgcgcca	240
atagttctcc	atattggatc	tgctaacgaa	tgtctcttca	gggtattccg	aacaagggtg	300
ttcttctaa						309

<210> 7325

<211> 453

<212> DNA

<213> A.fumigatus

<400> 7325

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ctcccgcgcc	agatcccccc	ttcacttcgg	ccagcccttc	agaaccgaag	catgcaagtg	180
cggaaagctta	agatccttcc	cattgaagcc	atagtccgag	gctacatcac	tgggtccgct	240
tggaaacgagt	acaagaagtc	cggtaaccgtg	cacggaatca	aggtagctcc	gggtctgagg	300
gagagcgaag	ccttccccga	tggcccgatc	tacactccca	gcaccaaagc	cgaacaaggc	360
gaacatgatg	aaaacatcca	ccctgatcaa	ggtatgcata	gtcctccttg	ctccgggaat	420
gtttatcaag	tttccgaatg	gattcagagc	tga			453

<210> 7326

<211> 573

<212> DNA

<213> A.fumigatus

<400> 7326

aagaggtcga	agaagcaaaa	gagaagcaag	atgagtcgct	atctgactcc	ctcgaagatc	60
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gatgtccttt	ctttttcttat	gtcatgtctc	agtccttttg	gatcagatgc	atcttcatct	180
ctaaacaggg	gagatagcaa	ctatatgtgc	gccattgatg	acctggagga	tgccctttca	240
tccaaagctt	cctcgatccc	tggcogttca	atatgggact	tgtttctcaa	gaagatctgg	300
tctattgatt	cttgcgacgc	tttggaagta	tttttactg	agattagcga	tatccttgtc	360
aagtctcgag	aagaacagat	ccgcgacagg	gataatggtc	tggcgcctga	gactggtcgt	420
atgcgactct	caagatgctc	accactcggg	gcgttcgtga	gaagagccca	gctcgagttt	480
actaggcttc	agttccatga	ctccgtcaaa	ctatggaagg	gctttgtctt	caccacaggg	540
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<210> 7327

<211> 219

<212> DNA

<213> A.fumigatus

<400> 7327

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aagtccaatg	tgtctaccct	ggatgtgacg	atttttaata	ttttgatcaa	cagacaagat	180
aaaccaattg	aggagtttgt	cactcactcc	tgttcatga			219

<210> 7328

<211> 354

<212> DNA

<213> A.fumigatus

<400> 7328

tcagaattcc	ttaccatgat	ggctcggaag	atgaaggaca	ccgactccga	agaggaaatt	60
cggaagcctt	tcaaggtctt	cgaccgcgac	aacaacggtt	tcactctcgc	tgcggagctg	120
cgccacgtta	tgacctctat	cggggagaag	ctcactgacg	acgaagttga	cgagatgatt	180
cgcgaggcgg	atcaggacgg	tgacggccgg	attgattgta	cgttcatcaa	acagctttct	240
tctgtcgcac	ctcgatcttc	atgggacatt	tcgctgattg	tttctagaca	acgagttcgt	300
tcagctcatg	atgcaaaaat	aagcctttca	tttggctggt	ttgttcattc	ttag	354

<210> 7329

<211> 192

<212> DNA

<213> A.fumigatus

<400> 7329

ctagtcgggt	gtcaatacat	atatccactt	ttcccgtctg	accttagttg	ctattacggg	60
gtatccaata	aatatggaat	atggaccgcg	attgactctt	acgacccttc	tgtttgcac	120
tgttggttct	cctgtggaga	ctccgacatg	atcgctcttg	tctttactcc	gtatgttgag	180
cgatcttcgt	aa					192

<210> 7330

<211> 252

<212> DNA

<213> A.fumigatus

<400> 7330

ccctgttccg	taatcacctt	acctcccacc	gacatgaagt	tccaaaccag	catcctcgcc	60
------------	------------	------------	------------	------------	------------	----

gccaccctgc	tggccggcag	tgccctgtct	gcccctaattg	gccgggtccct	ggagcgtatc	120
cgcgcccggg	ctctagccag	gcagtcaccac	cccatggacg	gccccggagc	gagccctgct	180
gaagcagacc	ccaacgcaga	gcaccgaacc	gccgactgtc	ttcaccgcgg	ggctgcaagg	240
gccgactctc	at					252

<210> 7331

<211> 1674

<212> DNA

<213> A.fumigatus

<400> 7331

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gtctacgaac	gagctatgcg	aggtgagcca	gcttctgagc	tagtctcgga	gaacaagtcc	180
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gaccacaaaa	cgatgccgga	cgaacttgct	caaagtcgag	aggtcacatc	aaagcttcag	360
cagattgagg	agaagatgag	tcgcctattg	aggacggccg	gcattgacac	tgagactctg	420
aattcaatgt	ctcgagacgc	aaaaaagagt	agctcgcaac	cagctgcctg	cgattcccga	480
ccttgtacta	cgggttcttt	gagaaatggg	gacatggagt	gtttggaaag	ggcgcgagaa	540
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acgagtgtag	tcgaacgcac	gtctgacacg	tcattcagga	caccgggtgg	tggggataac	660
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atggcactga	ctgccacagc	aacagagaat	gtcaaagtag	acgtcatcca	taacctgaag	1560
atggagggtt	gtgagatatt	tactcagagt	ttcaaccgtc	ccaatctgac	gtacgaggta	1620
cgacaaaaga	caaaatctgc	cgaggtcctg	gaaaacatag	cggacatcat	caag	1674

<210> 7332

<211> 414

<212> DNA

<213> A.fumigatus

<400> 7332

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ggctacaaaa	tcacgaaagt	cctcggaaca	gtctacggtc	tcaccgtcag	aacctgcaac	180
tggggcactg	atctcggcgc	gatcgtgcgc	tcgtctgtgg	gcggcgagct	cgggccgttc	240
accaatctga	tgtatacatc	gcggaatgag	gccgtcgagc	gactggtcgg	agaatgtatg	300
gggcgcgggg	ggaatgcact	cattgcgatg	aggttcgatg	tctcgagtat	tggggcttgt	360
tcgcagggtg	gtgcgtatgg	gacggcttgt	gtggtggaga	ggtatgaggg	gtaa	414

<210> 7333

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7333

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cctctgatta gcacgtatac gttcggaaac aaccatctag ctccgggtgta tgagggtcga      60
atggttgacg ctttacgcaa cttctccact tctaaggcat ctgcttcgcc aaaccccagc      120
ggaaatgagc aacagtatga caatgtttgt agcatagcaa tttgggggggt atacaatatt      180
cttctgtga                                     189

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<210> 7334

<211> 342

<212> DNA

<213> A.fumigatus

<400> 7334

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gggtttcggg tctatatgtc cagactttctg gctagcctac attcgcgaca ctttcacact      60
gagcacaact tccaagtcca agacacgatg accgataaaa tgaacgtcaa catgttcaaa      120
gcagaggatc ccctctgtca accgtcttcc tcgccggagc cccctacga tcctctccca      180
cccgttgaag agtccccct cccatcaagc tttgaatggg gaacagcaac agcagcctac      240
caaatcgaag gcgtccctc ggtggacgga aaatgccgtc aatctgggac acgttcaccc      300
atcttgttcc atcccgaac catggcgaga aacgtgacat aa                               342

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<210> 7335

<211> 699

<212> DNA

<213> A.fumigatus

<400> 7335

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aagacgggtct ttgctaagcg ttggctctca atcatgacgc gcattaccaa cgtgcagttt      60
gagcactatc accctcctaa caccatcgga gtggaggaaa ctcgcccgcg gatatacctgg      120
cagttccggg attaccacc tagtttccaa caggatgcat tcgagattga agtctcagag      180
gtggcttggg attcacaggc cactgttctt tcctctacca ggcagtcac gccctcatcg      240
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gtcagagcct gggatccaga tgggcatgac acggaatgga tctgagccgc gtctctagaa      360
gttggcctgc ttaatccgag tgattggcag tctgagcgca tcgcggctcc atggggccca      420
ggtacttcca agcctgacac ggagcagcta tatcgaggg aattcaagct cgcggattct      480
tttgtcaaaag cccgtctcta tatcaccgca cagggcgtgt acgaagcgga gatcaacgga      540
cgccgtgtgg gcgaccactt cctcgtccc ggggtggaca catatgatgg gagactgcag      600
taccaaacct acgacatcac ggattatctc tcgactgggg acaactgtat cgggggttcgt      660
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<210> 7336

<211> 267

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (173), (220)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7336

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actcaaccag ctgtaccaga atatagtctg gagcatgcgc gggaattctt ctccgtgccc      120
acggactgtc cccagcgtga tgaccgactg ggttgggtcg gggatctggc aanattcgcc      180
cctaacgcgc tgctcatcta cgactgtttc agcttctctan agaactggct aatcgatgtt      240

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gcatatgacc acaatggtct gggttga

267

<210> 7337

<211> 312

<212> DNA

<213> A.fumigatus

<400> 7337

ggacacatgt	ttcaagcctc	agggaatacc	tacagtcaca	agatattgat	gtccgcgcac	60
agtagattga	tgtatactaa	catatataaa	tatttttgaga	ttgctaaagt	tgtttttatt	120
tctataacag	ctaaacgccc	tacacctttc	gactcaagac	tagggatcta	tgaagtacac	180
cactatccga	gacttttctc	agataaccga	cagcagattc	atctgcatga	gtcacgcctt	240
gcggaacatg	ttaagccgct	tatcgatata	tctgttactc	tcaatcgttt	agtagaacct	300
gaactactat	aa					312

<210> 7338

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7338

agatccctc	gacgtaccga	cgctccgtccc	ctcggagcat	ggggcggagg	tggtctcttcc	60
tcggatataa	tgccatattgt	gggcaagatg	gccctcatgg	ttggcctgca	agctgcgctg	120
aatgcaagt	tgtgggggggt	gatatcaggc	gctgcgatta	ggatcggcaa	gcgattctgt	180
ggttggggaa	atctatga					198

<210> 7339

<211> 1197

<212> DNA

<213> A.fumigatus

<400> 7339

cacaaactaa	tccgcctggt	tttccttata	ggcttcgtgg	gaatgaacaa	catcaaagcc	60
aacgattatc	tcaacgttgt	tgtccagggtc	ttggctcagc	tcttgccaat	tcgcaactat	120
ttcctgctgc	atcaatttcc	tgtaccggga	acgccagagt	tgcccttcg	tttcagcaca	180
ttgggtgcga	aattatggaa	tcccaaggct	tttcgctcgc	atgtttcgc	acacgagttg	240
ctgcaggaga	ttgcgctccg	gtcatcgaa	cgcttcaccc	ttaccagca	atcggatcca	300
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ccgtcgctga	ccccgacaag	tgtgatacag	gctgctttcc	aagggtcactt	gagaattgag	420
agtcaagcca	ttactgcgca	ttcagatact	caaaacgccc	gtctgggtctt	caccgaatca	480
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ctaaacaagt	acaacggaat	tactgcctcc	gagaagctgg	ctcaccgtgt	ccgacatcgc	660
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tcgccgtacg	tgagagcctaa	ccctgaaatc	tggccgcctg	gcgaaccgat	tctatatgac	840
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gagaggggtg	cttggctggt	ccagctccac	gacaaggcca	tggcagagga	gaacagacgg	1020
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tttgctcaaga	aggctgagag	tgagactctg	ttcacgcggg	aaggctatct	gatgggttgg	1140
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<210> 7340

<211> 306

<212> DNA

<213> A.fumigatus

<400> 7340

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gaaggttatg	aagttaagag	taaaagtttg	gaggatatca	aatatgtggt	agatcctcac	180
tactcaaaaag	aggagggtttc	taaattggat	aaagagggttc	atgatgcttt	tgatcttgca	240
ggcaatcggt	acagacctgg	taagtatttt	ctttcatttt	tatcggagat	ttctagcaca	300
aactaa						306

<210> 7341

<211> 243

<212> DNA

<213> A.fumigatus

<400> 7341

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cctacctgta	gcttaagtac	ggctgagcag	acgggaagct	ctgttttcca	caccctatgg	120
tcgtatgtgc	cagaattttac	tgtgcttttg	gttatagtca	acctcccttc	tgctccctat	180
gtactattag	gatgttatac	taccgatata	tcacacctga	gcccgaatt	tgctactata	240
tga						243

<210> 7342

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7342

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ggaggcatcg	tccagatgcc	ggagggttgc	gtccaacag	agcagatcat	ggggagtggg	120
atgaccgtgt	actacttggt	cgactctctt	gacatgggtca	gttctttgtc	gaataactca	180
agattgatac	ctttatag					198

<210> 7343

<211> 756

<212> DNA

<213> A.fumigatus

<400> 7343

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gaccagaacc	tcaccaagcg	tctagggctg	ccggtgatcc	cgctgtcttg	cctctttttc	120
cgggtctctg	tccaaacgta	tcagatgttc	cttgccgccc	tgcttccgca	ccagccttcg	180
tcgacggccg	ttgagtcgac	ctccctcgcc	tcgattcaca	gccactacgt	gccatcgccg	240
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agcgctttct	tccggagggt	gttggccaac	gcgatgccgt	cgccggcaca	atcggtgtac	360
attttcacca	ttgtgctgat	tctgacggca	tttatectct	tggtgattct	aaagttgctt	420
ctcggcacgc	ttctgctcgt	gtactcgccg	tcgcggtacc	ggaggatgaa	ggtcagggag	480
gcggaacagg	cagcgacaaa	gacggacagc	ggaagtgcc	ccggcccggc	ctctcgggga	540
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gacgacaagc	ggcggtggat	ctatacggat	gacccagagg	gactgcgtcg	gttgaaggcg	660
cgggaagaga	gggacaagga	gaaggctcgc	aaggaggggc	aggcgctcat	ggaccatgtg	720
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<210> 7344

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7344

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ggctatgtgt	actcgggtaa	gccacaaggc	aagggcagat	tgctgggagg	tttcttctgg	120
ttttctcaag	gcgctctgtg	ggctctgagt	gtgtttgggtg	ttgccaaaga	catgatctct	180
tactga						186

<210> 7345

<211> 699

<212> DNA

<213> A.fumigatus

<400> 7345

tcaacttttg	atgatacagg	tctcgggtccc	tacatcgccg	tcatacaagac	acacatcgac	60
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aactttttga	tcttcgagga	ccgcaaattc	atcgacatcg	gcaataccgt	ccagaagcaa	180
taccacggcg	gtgctctgag	gatctccgaa	tgggcccaaca	ttatcaactg	cagcgttctc	240
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gaagatttcg	tggctctcac	gacgggtgtg	aacctctctt	ccaaaggaga	taagcttggg	540
cagcaatacc	agactcctgc	atcggtctatt	ggacgcgggtg	ccgactttat	catcgccggt	600
cgaggcatct	acgtctctcc	cgaccgggtt	gaagctgcac	agcggtagca	gaaagaaggc	660
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<210> 7346

<211> 210

<212> DNA

<213> A.fumigatus

<400> 7346

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accgtctctg	ctgatgtgac	gacaacccga	gaactcctgg	acctcgctga	ccgtacggaa	180
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<210> 7347

<211> 1107

<212> DNA

<213> A.fumigatus

<400> 7347

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atcccacaat	tcacctgccc	agcctgtcgg	gccgtagtgc	gcgacacacg	acccaatgcc	180
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gaggagaagg	aggagggttc	gcagagatac	aagcatggag	agtcgggtgtt	tcctgtgctt	300
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caagccgaga	gcgtcgacgc	tgatggacgg	agagcggacg	gtcgtctcaag	acgacggcgt	480
gaggaggagc	gtgtactgcg	gcgacagcct	ggggcccgtta	cggaggataa	ctcggaaaga	540
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cggcgaagac	acatgcgcagc	gccgcgctca	cggcagagac	aagaggcgga	tgaggaacca	780
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aggaggacgt	cgccggctcc	tgtcaatgcg	gcgtccacat	cggagggacg	ccttgcgacc	1020
tgctgcgaga	tcgtccagcg	atatagcttc	ggatcgccct	cgtccttctc	agtcctctcg	1080
agctcgcgcg	gccgaattgt	cgactgc				1107

<210> 7348

<211> 237

<212> DNA

<213> A.fumigatus

<400> 7348

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tggtctgata	ccaacccgac	cgcagagttg	gtgagagatt	atgtggagga	tgatacgaca	180
gaatggaagg	gtatgtaccg	ttggttctcg	gagaaacaaa	agcatgaaca	agagtga	237

<210> 7349

<211> 711

<212> DNA

<213> A.fumigatus

<400> 7349

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cagttttcca	ataaagagat	gctgtatgag	ccgatgaagg	agttggatgc	gaagtggggc	660
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<210> 7350

<211> 450

<212> DNA

<213> A.fumigatus

<400> 7350

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ctggtactac	catctactta	catgagaagc	ccatcagata	tcaagcccaa	ccacatcatg	180
ttcgggtatcg	ctgatgattc	gttttcggcg	actggaagag	caggagctca	ctcttcttgc	240
ccgaggaaag	agctagaccg	gagaatcatc	tacgtctccc	gggaactcag	aatgccaaag	300
gtatggagcg	ctccagtcct	ctgtgacttt	ggctctggag	tttccagtgg	catagagcac	360
tcggaagata	ttcaacctaa	tatatatcgc	acacctgagg	tgattgtgga	agtcacctgg	420
acgtacagtg	tcgatgtatg	ggacgtgtga				450

<210> 7351

<211> 1692

<212> DNA

<213> A.fumigatus

<400> 7351

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cagaacaatc	tccaagaact	ggcttcaactg	ctgggcttca	ttcttccaaa	ggtctttcaa	600
gagcgcaagg	aagatctcca	gtatatcttt	gcaaataagg	cgaagacagt	ggatgaatcc	660
cactccacgc	ttctctcggc	gcagcgcatt	gaacgggcca	aatccatgct	caagccgttt	720
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ttggctctcg	accaggccgt	tgcaggcgac	gaaaccggaga	gcaagaaggg	tgagggaagct	1620
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acgaacgcct	ga					1692

<210> 7352

<211> 285

<212> DNA

<213> A.fumigatus

<400> 7352

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atctcgtctg	caatccagca	aggacttacg	gcgttggtcca	ctgatccgct	cctgatctgg	120
aactatggat	tcgtggctgt	tctggcgctt	gttgcgtgga	acctctttta	cctaaccac	180
tattcgctgg	acaaggagga	ggaccgactc	aacaatctcg	aggcttcggc	gtacttgggt	240
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<210> 7353

<211> 627

<212> DNA

<213> A.fumigatus

<400> 7353

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tctacccgac	tgaaagaacg	acaaggaccc	cacgcttcac	gtagctccac	caaacagaaa	180
tccacgaggg	acaagttcac	ttcttctcct	tctcctcctt	ctcctccttc	tcctcgtgct	240
tttccgtcgg	cgccggcgca	gcctgcgcac	tcgcatcgct	ttgatgctca	tgaggcttct	300

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catcacagcgg ctgatgcttc tgcttcaacc gctcctcctc agcagcaacc atatctttcc 360
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cctccttctc gccgcagcc ttcttccctt tcttcgccgc atctagcaac cctttacctt 480
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gcgcatacac acgcgcctgc acgatcttct gcgaaccggg caggtagcggg ttgcggctca 600
ccatggcaaa cgagccaatc atgctag 627

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<210> 7354

<211> 792

<212> DNA

<213> A.fumigatus

<400> 7354

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aagatcgtgc aggcgcgtgt gtatgcgcag ggcctaacc tgcctgtgct ggttgctgc 480
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gggaagaagg ctgcgggcga gaaggaggcg gcgcgcgact agactccgac ccctgctgcg 600
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ttgaagcaga agcatcagcc gctgtatgag aagcctcatg agcatcaaga cgatgcgagt 720
gcgcaggctg cgcgcggcgc gacggaaaag cacgaggaga aggaggagaa ggaggagaag 780
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<210> 7355

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (127)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7355

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aggaattcct atccatcctc gatgaagtgt gcaaccccca accagccagc caccatcccg 240
gtgattaagt cccagatctc catcggcatc caaatgcccc aaactcgtgt cgcaacgtga 300

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<210> 7356

<211> 405

<212> DNA

<213> A.fumigatus

<400> 7356

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ctcgagggcg cggctgagtc ggacgagagg agcgtgaatt acgctttact gttagcgggc 120
gcggataact tcgaggaggc cagtgggatt gtgtacgaag cgatggtgag caagctggtc 180
aaggcgctga atatatcgca aggggatgtt gatccttcaa agccgctcca tgcgctgggc 240
gtggactcct tggtggcagt cgagttaagg acctggatgc tcaagcagct tgatgctgat 300

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gttgcggtgt ttgatcttat ggaagtggct agtttgagag ctcttgcaag cttgattgct 360
accaggagcg gttatgtgaa gaaggataat ggggaaggaga agtaa 405

<210> 7357
<211> 216
<212> DNA
<213> A.fumigatus

<400> 7357
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tcctcctcta tgcagcaata tgtctgtgat attgatctca acaacttggg aaatagggtg 180
atatcgatgc aaccggtagc ttcattgctt ccttga 216

<210> 7358
<211> 1110
<212> DNA
<213> A.fumigatus

<400> 7358
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cgatccaact ctgtcactga gctatggaag cggtttgagt ttaatccggc tggccgggaa 180
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cagaacgcgc aaagagtcct gccagaaaac gtcgggtcga ctgtccaggc agctcttgcg 600
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gatcggagaa ccagcaacat gttccggggc gacgttcgca cacctgcaga cgctgtagac 720
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<210> 7359
<211> 855
<212> DNA
<213> A.fumigatus

<400> 7359
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gtgagcagcc	tgacagagac	catccgcac	aagagcgcg	cgtgggatga	cgcagggcgt	780
ccttctttac	tgcaccttga	atcacgtcaa	atactctctt	ctaaatgggt	atgtattgat	840
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<210> 7360

<211> 582

<212> DNA

<213> A.fumigatus

<400> 7360

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ctccccacaa	cagaggagcc	tctgcgggtg	cctcagccca	ttgtccctac	tttcaagtgc	180
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gccgttctgg	cccgtgagac	tcttgaggat	gaagaggaag	atgttgccgg	ctgggacatg	360
ggtgaagaga	tcaacatgga	ggatgatgtc	gacttcctta	acgttgacag	cgcagacgct	420
ggcgcacgca	gctccgatgc	cgacctttgg	gctcccaact	ctcccctggc	ggctgatcat	480
gtcgctgctg	ggtcttttgc	ataccgccat	gctcctactc	aatccgtcag	ttggtgcggg	540
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<210> 7361

<211> 615

<212> DNA

<213> A.fumigatus

<400> 7361

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gacccctacc	agtagcgctt	caagctcgcc	ctgggtcaag	ggaactacga	cgagatgctg	180
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<210> 7362

<211> 636

<212> DNA

<213> A.fumigatus

<400> 7362

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cctggcgggc	tgatcatgtc	gctgctgggt	cttttcgata	ccgccatgct	cctactcaat	420
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<210> 7363
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 7363
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 aaccagctct ctaccctaata tactgggtct tctaacgagt ctgtaaagga ccctcagggc 180
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 aagtctcaat attaa 375

<210> 7364
 <211> 1482
 <212> DNA
 <213> A.fumigatus

<400> 7364
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 gtccgcttca ttataaattt acctcgcgaa gagctggagt ccgtcgaacg aatctgtttt 180
 caagtggagg aggcacaatg gttctacgag gatttcattc gcccgttgga ccccgcgctt 240
 ccctcgttat ctctgaaagc tttcgcgctg cgcattcttc agcattgcc actgatgtcc 300
 caatgggtccc actaccatca tattacagcg ttctcggagt ttctggccta caagaccgct 360
 gtgccgggtac gtgggtgccat cctgctgaat caggacatgg atgaggtagt gctggttaag 420
 ggttggaaga agggcgccaa ttggagcttt cctcgcggtg aaatcaacaa ggatgaaaag 480
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 gggctagtga aggatgaaaa ggacgtcaag tatatcgaga tcacctgag agaacaacat 600
 atgaggttgt atgtgttccg cggcgtgcca catgatgctc actttgaacc tcgtactcgg 660
 aaggaaatca gcaagattga atggtataag ctgtcggact tgccaacgtt aatgaagaaa 720
 agcaagccaa acgatgagaa tatggcggtt gcaaacgcga acaaattcta catggttgca 780
 ccgttcatgc accccctcaa gaaatggatt gctcaacaac ggccgcttga cgcaaaggcg 840
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 tctcaaccgg ccatccacca gacaccagcc aggcattgct ctctagtga tttacctgaa 960
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 caaactcttt cggcaccaga tttctttcca gggttccctc agcaagttgc ctactctgga 1260
 caacatgaca atttactaca tatttccggg caaccaaacc atggcgctgc tctttcacat 1320
 ttgccaactc ccgtgcaact gcttgggtgta ggaggacccc acgctgggta tcatggggta 1380
 tcacagtttt caaatcgcca cccatctgag ttgcacgcag ctgcgcagac tcagaggcca 1440
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<210> 7365
 <211> 1353
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure

<222> (1318)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7365

tccagagcgc	tttccgacaa	acatcggggcg	gaaacattgt	accaacttga	ctcgcaactt	60
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cattcttcgc	agaaacggcc	tctacctgct	gagccgaatc	cgtctctcca	cgcacgcaa	180
acacaatggc	tcttcacaga	tgaagaactc	actcgtacgc	catcccaact	cgacggcatg	240
aagatggaag	cggaacatac	tagtcgcagc	aaaggcgtca	atttcattac	ccaggtcggg	300
atcatgctga	agctacccca	gtcactttg	gcgaccgcag	ccgtctacct	tcaccgggtc	360
ttcatgcgct	acagcatggg	cgatatacct	caacgaccgg	gtatgcatcc	ctatcccac	420
gcggccactg	cactattctt	agctacgaaa	gtcgaagaga	acgttcgaag	aatgagagag	480
cttgtggtgg	cctgctgccg	agtggcgcaa	aagcaaccga	atctggtggt	ggacgaacaa	540
tccaaggagt	tttggaatg	gagggacaca	atcctgcacc	atgaagactt	actcctggaa	600
gcgctctgct	tgcacctaca	gtcgaacag	ccgtaccgca	tcctctacga	ttttatctgt	660
ttttttggcg	tgaatgacaa	caaaccgctc	cgcaatgccg	catgggcctt	tgtcaacgac	720
tccatgttta	cgtctctctg	cctccagttc	accgcacgca	ccatcgctgc	cgccgctcta	780
tatgccgccg	cgcggcactg	cgacgtggga	tttccggacg	acgaccgcgg	tcgagcgtgg	840
tgggagcaga	ttgacgtgga	tctgacgcag	gtgcgtcgcg	cctgcatgag	gatggcacag	900
ctctacgaga	acaatgccat	gcagaaacat	agccagtact	acccgaccac	cccaatactg	960
tcggacgagg	gcactgagaa	gaccaggatc	ccgcacgatg	gcagtcccg	aaatcttcct	1020
ccagcggagt	cagacgtcac	tcatggacgg	aaacgatcga	aagagccgga	agacagcggc	1080
gagcctcgag	gagatggctc	agcaccttcc	aacggagagc	gttctccaaa	aagaccacgc	1140
agggatgcgg	atgccgcgcc	acgtggcagc	tggcaggatc	aacagagccc	atccgctcct	1200
tcctcgcaaa	gcctgccaaa	cgcaggaagc	ccttctctct	cctctcaggg	ccgaccccat	1260
ctcaacggcc	aggcacctcc	gtcattacct	catccccccg	tccagcccgg	ccaccgtntt	1320
ctaccgaagg	gacggcaagg	acacgcattc	aag			1353

<210> 7366

<211> 423

<212> DNA

<213> A.fumigatus

<400> 7366

cccgaattt	cattgacaaa	ccagtgtctt	ctaccagcca	tgcgtagatc	aagctctagc	60
tctcactcct	ggcagtctgc	cctgcagaag	gtattccgca	gacgctcatc	cgagtcgaag	120
ggtaaacac	ctgctttgga	tgatgatttc	aaaatcggtg	aacacaagga	cggcttctac	180
aagtactccc	aagagggtgt	ggaaaagaaa	aacagaaagt	tcgaacctcc	cacgatgcgt	240
gtctctggaca	gtgctgaagt	ttacgacatg	cgtgcttata	gcactgtcag	tagcactgtc	300
agagttttct	gcgtgcgtgg	ttcagacagt	accgaaactt	cttacgcttc	agctgtgagt	360
ggacgcaaca	tccttagctg	gcagtttgcc	aaaccagagc	gaagggaaaa	aaaactaaca	420
tag						423

<210> 7367

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7367

tccttttcaa	cacgcccag	ccaattcaaa	aactccggct	gtgcaccacg	gcaggtcctc	60
aacttcaaga	ctctcagcct	aggattcctc	tccacaagca	tcgccaactg	ccatggcggtg	120
atgcctgac	gttccaatat	cagagtctca	aggccagtga	cccctatgtc	cttgggggttc	180
cctatgcccg	ctagtaagtt	ccaagcagt	ctacctggcg	caggatag		228

<210> 7368

<211> 1944

<212> DNA

<213> *A.fumigatus*

<400> 7368

agacgctgta	acgacccact	tcgagtcaca	ccgcttctta	aaccacccgc	tttgaacggt	60
ttggcctctc	cggaacacac	atttggccag	cagcccagtg	ggtcgtggca	ggagacattc	120
tacaatgctc	ggaatagtag	tgtgggccgt	gtagtcagaa	aggttttcag	ttatgcttgg	180
tcaaccgtca	cccggctctt	caaaccaagc	ggcgtttcat	ctcgtcgaac	cgctgctgct	240
gtgtcaactt	ccccactcgc	ggcaaacctc	cgtaactttc	cagagcagca	aagacagcaa	300
cttaagagtc	atcaatggcg	gaaggaaaga	gggtatccta	ctggtgaaca	ctatccattt	360
ccagaactgt	cccttgatat	ccactctac	ccggctggcg	ctgcttctca	ggccgaatca	420
acggcggaag	ttcgcggtcg	ttccgtatca	aagaagccca	gtggaacccc	gcggcagcct	480
cgaagcgta	ttggaacatc	gggacctcgt	actgtttcac	tcaaggaacg	agggaacat	540
ggaatggaga	agcgagcgcg	tgtggattcg	ctcagtcggc	gtctcaaacg	acgctgctc	600
gcgggcaccc	gactcagtcg	ttggagaaat	gctcgtcgtg	agcgcgctct	ggcccatgca	660
cttgaacaaa	ccgaacatga	tgcagttcgg	ccagtgc aaa	catctgcccc	ggcgttgagc	720
atcagtccca	ttgaatccag	acgctctaca	ctgattcagc	ctcgagctac	tattgagcca	780
aatcga aaac	cgaagcgcg	ccggttccaa	gagcctttga	cagaaactcc	taccctcaca	840
gctccaaccc	tcctaacgga	acttgcccct	cacctcacc	cacctcccc	taaaattgac	900
cgggttgccc	atagaacaga	acagattggt	gaagagaaag	agaatgtgcc	cccggcgccc	960
gaagctgcaa	agacagtgga	acatgctgcg	catgacgacg	aacttcgaac	cagacatgat	1020
gactggcttc	gtaccgagtt	tccatttggg	cgaccctgtg	ccgcagttag	gcttttctac	1080
ccagttcaga	agccacttcc	gccaggtcgc	acagagtcta	tttacgcggc	tgaatggaga	1140
aagatcgaag	aagaacaaaa	agcgaagcaa	aaacctgtcc	gagtcaaacc	ggagggccct	1200
gctgtccgac	ctctccctcc	aaaatgggaa	gcgaaagtgt	cggagatcaa	gtccatgcca	1260
aacaatcggc	agatcgccac	taccctgtcc	ggcgatcctc	tgaccaagag	agatcttgcc	1320
acctgctaca	ctccaatggc	atggctgaat	gacaaaatca	tcaactcgta	tcttgctctg	1380
atcgttgact	acttgcgtcg	ttctcacgga	aacgccgggc	gtcatgacaa	gccccgattc	1440
cacgcattta	acacgttctt	cttctcaaat	ttgcgcgaca	aaggctacca	gtcggtagcg	1500
cgctgggcaa	cacgtgccaa	aattggggga	gaggctttat	tgaatgttga	tactgttttc	1560
atccctgtgc	acaacagtgc	gcactggaca	ttaatcgctg	tcaagccagg	agagagaacc	1620
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atctcccctc	aacaggataa	cgggagcgat	tgcggcgtct	tctcttgtc	gactgccaa	1800
gcgggtggcca	tcggctctga	gccactatca	tacggcgcta	aggacattgg	cgctctgcgc	1860
cgtaagatag	tggtctgagc	aatgaacggc	ggccttgaag	gggatttcga	tcccaccagc	1920
gggggtggag	aaccgctgct	ttaa				1944

<210> 7369

<211> 273

<212> DNA

<213> *A.fumigatus*

<400> 7369

togaacatcg	cttcgtctct	ccagctggga	cagggatcta	tctggtgccg	ctatgcatcc	60
ggttcttctc	ataatcagtt	acatgtggag	gctcgggcga	agatgccttt	cttcacacat	120
ctatcatgca	atcaaggctc	agtggctcat	tggaccttcg	gagtggagtc	ttctgatgtg	180
ccatattatg	ctaccagcag	gtgtatttat	attgaagaag	ttcccgcag	aacttctctc	240
tgcattgcc	tttaccatca	ctctcatttc	tga			273

<210> 7370

<211> 246

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (156), (157), (178), (187), (232)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7370

aatctcgcgt	ttggggcaaac	tattgtttcc	cctcctaccg	ccacattgga	cggaacgcgt	60
ggcttggacg	gtctctatgt	tgctcgtcagt	cggtgtcccc	tgatacgcat	gaggcctgca	120
tggtttggtg	ctctgcgaat	ttgggtgcctg	acatcnntcg	atagtgcgtg	ggggttanta	180
ggacatnacg	ggtttttaat	tagtcctaag	cccagagccc	ttttgatcaa	cnagatgacg	240
acttga						246

<210> 7371

<211> 537

<212> DNA

<213> A.fumigatus

<400> 7371

agaagttccc	gccagaactt	ctctctcgca	ttgcctttac	catcactcct	cattctgagc	60
cgcaagtgtt	cttctaagga	taccatgccc	ccattcgcgt	tcaagggcct	cgccttaata	120
gccttaggta	ctgcagtcgc	ccaggcccag	ctctggaacc	aaatcattca	gaccaactat	180
ggcccagtc	aaggcttcaa	gtacttcaac	gagtctacgc	ttgagagatt	ctttggagtc	240
tggagttcca	atgtgacggc	tttcttaggc	attccctttg	ccgaggatac	cggttatcaa	300
aaccgctgga	aacccctca	gccacggcaa	ccgtggaatg	aaactttgaa	agccaccagg	360
tttggccctc	gttgtccac	cggtgagtc	agctacatca	gcgaagattg	cctgagtcctg	420
aatctatgga	cgaatgccgg	ctccggggat	gctaagctgc	ctgtcatggg	ctggaaccag	480
ggctcgggatg	agaccagcga	tcagtctctg	tggtatggcg	gcgggatggc	cttgtag	537

<210> 7372

<211> 309

<212> DNA

<213> A.fumigatus

<400> 7372

gatgtcatcc	tcattacctt	caatcgcaga	gatgatgtgt	tcggatacct	ggcgcacccg	60
gatctgaatg	cagagggtct	ggcagtcact	ggtcacaata	catccgggaa	ctatgggtgt	120
ctcgaccaac	ttgaggtgct	gaaatgggtg	aagaagaaca	tcgccgactt	cgggtggtgac	180
cctgaccggg	tggtagtggc	tggtcagtc	tttggctctt	ccccagggtg	atcatgctgt	240
gaacagtcca	ctgttcaaag	gttacttcca	tggtggaatc	tctcagtcgc	gcacccgata	300
cccatatga						309

<210> 7373

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7373

ttaatacaga	gacacaggcc	tctatctagc	ttctttataa	agagtactgg	tgctactact	60
gggctagata	attcccta	ctaccccttc	ttaagtattt	tattaaggta	tttatataga	120
gcctctagct	ctagctataa	tatagcaa	ataggggctat	atagcagcaa	cttcccatta	180
agtagctata	tcttatag					198

<210> 7374

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7374

agacatgaac	ttttcgaaga	gtccctcgag	caatttgtgg	tgagtactgt	cagccttgca	60
attattgagc	cgacgcgagg	tttccatatt	gtctttgaga	cgttgtctta	cctatctata	120
gactcgagtg	ctatcctaga	ggcgctaccc	gatggacaga	acggcaaata	tctttatacg	180
taa						183

<210> 7375

<211> 456

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (28)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7375

acgctgacca	aaaggttcgc	catgtttntg	aatcaagtcg	aggcctccgt	tgggcattac	60
cgacgacagt	cgcagcctgt	ccagggcatg	aacggcatct	cgcgaaccca	cagcaatgcg	120
tcgagcaaca	cgatcagtgg	cgctcactgg	cgggtcaagag	cggacagcgc	cgtgtcgcaa	180
gatgaccctg	tccctgacaa	tcgtggctct	atggcggttg	actcccttgc	taatgagctg	240
gaggcattgc	gcagtcactg	ggagagtacc	aaccgcaact	atcgactgag	cacgcaatcg	300
gactttgatc	gaactcctac	caaggagacc	catgggttga	gtgacagtct	ggccgagtgg	360
cggcgcaaac	tggacgagga	ggaagcaaga	gcaggctctc	cagagaagaa	taagcctcgc	420
gcggcggggg	aacaagccgc	agcgaacatg	atctag			456

<210> 7376

<211> 1041

<212> DNA

<213> A.fumigatus

<400> 7376

ccaccgccgc	ctgggggaacc	caaggagtgg	cttaaaaccc	atgttaagag	cggagacccc	60
acagaacgcc	tttcggccgg	gattggaagg	gcctcctcct	tgaattccga	aacgtctatc	120
cgtcaaattgc	ccgaccagcg	agtgggtgct	ctggaagctc	aggttgacag	ggttaacaaa	180
ctggccaagg	gcaaccaagc	tgcggctgat	gaggcagccg	acaaaatgag	gcgagccgaa	240
gagaggatcg	ctgggcttga	ggcctaccaa	gagcaagcaa	gtcgagaagg	cctgcaactt	300
cgcagacagc	tgcaagccat	tatgaaggag	agccaagcgc	atgctgcgga	gaacagagag	360
ctcaagtcaa	agatggagaa	tcaacagcga	gaggctggag	ccttggccat	ccaacacgcc	420
gctttgaagg	accttctcgc	agagcgtgga	gtcagctata	ctgacagcag	gcgttctccc	480
aggctggaat	ccccaggctc	tcggttcggt	acgcccagc	aaacccgact	tcgtgagctg	540
gaacagcaac	tatcggctag	cttgaaggct	catgaagaac	tcaaagcatc	ctttgaaact	600
cgcgaacagg	aagcggaccg	tgcgtacaga	gagaagctgg	agcaactgga	aaacgactac	660
cagtctgctg	ttcactatgt	caaggggacc	gaaaagatgc	tcaagcggat	gaaagatgaa	720
ttgaccogct	ataaagcaca	aaatgctaag	attcaggccg	atctcgaagc	ggcgcaaaga	780
agcataagtc	aggcatctgg	cctgggggtca	gaaccaccag	cggaatggga	atctgaacgc	840
tcgaagctgc	agcagtecat	ctctgacttg	cagcaagata	ctgcatcttc	cattgccaac	900
ctcgagagtc	agattgcgaa	cctgaaggag	gacttgtctg	ccgccgaggc	tgagaaggac	960
aaatcgcggt	cagaatatga	gagcgtcaaa	cagaagttca	ttgctgcagc	ggagaagatt	1020
cgggcgaact	ggagcagctg	a				1041

<210> 7377

<211> 306

<212> DNA

<213> A.fumigatus

<400> 7377

```

agcagaatga ttccaacgt cgatggacag ctctcctcaa tgactgcgat ctggctactg      60
ccaattgcaa gctgcgttgt ggcttcaggg actggtgcag tcgttgaga ccttcctttc      120
aatcctaata atgcttttat gacgattatt gtcagctatg ttctatgggg agttggcatc      180
tgcttatcta tgattgttta tgttatctac ttccaacggc ttactgtgca caaattgcca      240
cataagggag ttatcatgag cgtgttcttg ccgatgggac ctttgggatc cggaaccttt      300
gcgttaa                                           306

```

<210> 7378

<211> 333

<212> DNA

<213> A.fumigatus

<400> 7378

```

tttacaccta atccgtcagg ttccagggcc ctgaaactcg gtacagctgg aaagactggt      60
ctatcaaaga ctcaaatggt gaatgacagc tctgccgcct ccatagttaa tgcgttaggc      120
gcaatgaccg cactgatcct ctgggctttt ggtcttcctt ggcttttctt tgccttcgca      180
tcgggtgctga agtcaggaag gtttccgttc aacatggggt ggtgggcttt cacctttcca      240
gtcggtgctg atgcgatggg aacatgtcag ttaggaggc agcttgcctc tgcttttttc      300
aaggttcttg ggaccagtag ttgcatgaa tga                                           333

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<210> 7379

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7379

```

ggacatggct ttaaaatggg catcatggcc tccctggacc cctggtcaga atacagcttc      60
ggcattctgg ataactgtct tttcttctca ggcttagcag gagtctcttg tcattgctcg      120
ttcggcccaa aaaggagact tccgagccct atttccccct acagaatccg aatcttgaaa      180
aagaacctaa tctaccgcag catc                                           204

```

<210> 7380

<211> 222

<212> DNA

<213> A.fumigatus

<400> 7380

```

ctttgcagcc ccattttctg gttatgcaat ggccaggcca acaacaatct cgtcagtcag      60
gcgtcgtctc ttaagacata cgggatgccc catgatatga gtatgtcgtc aattgagctt      120
gttattcgag cgctgtctaa tgtttatagt gggcctcttc aacctctga ccattttgat      180
tgccgtccct ctattgtatg ttgcttcact tcattccacg tc                                           222

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<210> 7381

<211> 198

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7381

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tcccaacctt ttgagaatgt gataaagcaa atttgtgccc cacggcgtct agaccaggat      60
tttggcgttg ccattatggt atgcacagaa tggagtatat tatctcggat catttcgact      120

```

ctgtttgaag aggatgaaat cttattcaac nacaacaacc ccatacagcat ggacatccat 180
tcgtttatca atctatag 198

<210> 7382
<211> 231
<212> DNA
<213> A.fumigatus

<400> 7382
attgtgcacc aaacacggag aagattcagt taccttgacc cggcggttcc acgccacgtt 60
ggacgaaatt ctacccttct cacactaacc gaggagggac gcgacaaact cggcggtgtg 120
gaatatcgag cgtctgtct gctgactatc attgtgccag ttactatgt agcctggccg 180
ccatcagtat ctgcatcggt gaggggggta attttatccg tgatccggtg a 231

<210> 7383
<211> 888
<212> DNA
<213> A.fumigatus

<400> 7383
cacgaccaga actggctgaa caaaccggac ggagacgaag gatgggctgc ttactctctc 60
tcgcaaggct acgaatgcta tttgcttgat cacacctccc gtggcaggag tccgtgggat 120
tcccgaatg gacagctgag gaaatacagc gccgagcatc tgcaaaagta ctttacggac 180
acggcaaaat acaacctctg gccacaggcg agtcttcaca cccaatggcc cggaaccggt 240
gtgatgggag atccgatttt cgattcgtac tatgctgcga cggttccttc gcttgccgaa 300
aacgctgctc aagaggcttc catgcagcct gcgggctgtg ctttggttaga cgccatcggc 360
aagccggtga tacttatcgc tcaactccag ggaggagcaa tggcgagggt tacggcagat 420
cggaaccgag atctggtgca tccatcgta tcaattgagc catccgggac tccattccag 480
aatgcaattt ttgggagtgg accagcccggt ccgtacggat tgactgatat accgatcact 540
tattcgccgc cagcgactga tccagacggc gactttgtta agcagacgat cacatccaac 600
tccagtgcga tatcagactg tgtgatccag gctgacgacc ctcccccccg acagctcgcc 660
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gtggtcagag cgatacacia ttggatcgag gattcaacat tttcatga 888

<210> 7384
<211> 603
<212> DNA
<213> A.fumigatus

<400> 7384
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ggttcggaag accggcatca tcgtccgccc aatgtgatta ttggcctgga aggcgacgag 180
accaccaaag gtctccctcg ctgcgcccag ttcgtccagt ggactatggc atcgactgct 240
ttgcacccca tgttccgaga tctacttact cgtattgcgg agagaacgcc caactttgtg 300
aaacaggcgc aggccttgga ggggtgatgct gaggtcaacg ttatggactg gacggggccg 360
agtgtatgga ccgatactat tctcgattac ctgggttggt cggaggagca aatacaaaac 420
ctacgcgact tgaaggaccc ggtgcgaatt cgcgacatga tgatccttcc taaacgatca 480
tttgcggtca cgcaggggga agatcacact ttaccgatg tgctggtgaa gcaactattc 540
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tag 603

<210> 7385
<211> 216

<212> DNA

<213> *A.fumigatus*

<400> 7385

atccatcttt	tcctcaacca	tttcttagcg	actacatata	atatgctcat	tgtacatcat	60
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gagctcagaa	cctaccagcg	cgatgcaaaa	acccttttag	caccgccaga	attgcagcag	180
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<210> 7386

<211> 495

<212> DNA

<213> *A.fumigatus*

<400> 7386

ctgaatccat	cttttcctca	accattttctt	agcgactaca	tacaatatgc	tcattgtaca	60
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ctacgagctc	agaacctacc	agcgcgatgc	aaaaaccctt	ttagcaccgc	cagaattgca	180
gcagttgtac	gggtctcccg	gaatcagccg	atcgaagtga	aacgactgat	tcgtgtcaga	240
catcccaccc	aagccgcccc	cgatcatccaa	gacggcacca	ccaccctcgc	cgaatccggc	300
gccatcgctg	agtacatcct	gaccaaatac	gggaagggga	aattgaccgt	gcctcccacc	360
gcagacaact	acgcagatta	cctgtacttc	ttacactttg	ccaacggata	cttcagccc	420
gcgctgggtg	ggtactccac	ggttcctccg	atcggagatc	tcccggtctt	caccccgccg	480
ctggaaggaa	cacgt					495

<210> 7387

<211> 1608

<212> DNA

<213> *A.fumigatus*

<400> 7387

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agtcgtcagc	catctccac	acgaactcgt	tcacctcgcc	ttgtcgctga	tacatgggta	180
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cattctcgga	gccccctta	ccggcacaga	gactctgagc	ctggactatt	tacaaacagt	300
gccccaggga	gattctcgcc	tagacgagat	gcacgcctcc	gatcgctca	gattgggtgg	360
cgcccgcggt	caccatacgg	cgaccgccct	cgcgatacct	ctcgcggtcg	gtctaccct	420
agacgaagag	atcaaagccc	tcttaggcag	gactttacct	actcgaatcg	agagcgctac	480
ccatcaactg	tcgatcgta	caaaaagtct	gtttctcccc	taaggcgggt	tcagggtcgt	540
gccagtgata	tactccctt	gacgacaagc	catcgtcgac	gaagttcttc	acaagagttc	600
cgagagcgte	gtccggataa	caatacaagc	caggcgcggc	cttcgccttc	attgagggct	660
gcttcaacta	tccacaactc	aacttctagc	tctcgtacgg	actcaagacg	ctcatctcca	720
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gaaacaatct	cgtcaaacga	acacaaaggt	gaagaagagg	caacagatat	gccgccaaac	900
tcagtgcaaa	tcgctgcaca	gtcaaattgat	cgtagtgtcc	ctgactccaa	gctggggcgt	960
ccagagaata	acccggagcc	tgcggatgca	atttcagca	ctactcctca	aagtggaccg	1020
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ccgtcattca	atgctcgggg	ctccatgata	tcctactttt	ctgccccgac	tcgccccga	1140
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caagcagccc	ctcccacagg	cccgcgcaat	ggtcacatcc	cgactgggtcc	gagtgttgac	1260
tccgatcggc	agcatatcta	tcggcaaaac	agcttctctg	ggacgtctta	tccccgcaa	1320
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cacgatctgg	atactgctgt	ggaaaaaagg	cttgcccagt	tagagatgga	caaagaacgg	1440
ctatatgaac	aaattgccga	tagccaaagg	ctaaagcacg	ttgtcattag	agactggggag	1500

aggctagata gagagagctc tatttgtgcc ttgaagagtg agttagccga gggtcatttg 1560
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<210> 7388
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 7388
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 cagcctccg atcgctcag attgggtggc gcccgcgctc accatacggc gaccgcctc 180
 gcgatacctc tcgcggtcgg tctaccccta gacgaagaga tcaaagccct cttaggcagg 240
 actttaccta ctgaatcga gagcgctacc catcaactgt cgatcggtac aaaaagtctg 300
 tttctccct aa 312

<210> 7389
 <211> 705
 <212> DNA
 <213> A.fumigatus

<400> 7389
 catcacctaa tctgggtactc tgacgcgtat cgccatacgc tggacatcat cccggtcggg 60
 aaattgagga atcatcatac gattcctttc tatatcatat ttgacctgaa catctactct 120
 ccatccactc cattcaacat tcaatttaaa atacaaatgg ccgtcacact atcaacgact 180
 cctcccatga acaagcgctg gctcctctg gcgcacaaga cctccctccc ctacagactc 240
 actacactct ctaagcaaaa actcgccgc gagggccaccg cgcccgaccc ggacatcaga 300
 cgatgcctcg gccactttcg cctccactgc acgtccatgg aatgggcca gcgggatatg 360
 acctctcgca tcaactcgtt tgatctcgac tccgactcgg aggacgagga ggagacacag 420
 gacgatgagg ttcaggaggt tgtggagcgt ctggccgaga agggccagcac tgttaccatc 480
 actgactccg cggctaaaga ggagacgacg cttcatgtga gctttgaagt cgtatcaagc 540
 gccctgcta ctactcctac tccctctaca ccaccaccaa caacaacaga acaagaaaaa 600
 gaaagtctcc tagaaaaagg tcgcagttgt ctggaaagga cagtccagat gaaacatttc 660
 tggcctgctc gtgggccctg tctacctgtt cggatcgccg ggtaa 705

<210> 7390
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 7390
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 acccaaccca acgagtcata ctccgtactc cataatccta tccgaatacc cgggggtccca 120
 tccacccaag gaactaagtc gtcagctcct acctttcaaa ccaatgatat aaatctcatg 180
 aactcaatca tcgcccacaa gagtccgaac aacgctataa tccaactaaa ctccacagat 240
 cacacatgg 249

<210> 7391
 <211> 735
 <212> DNA
 <213> A.fumigatus

<400> 7391
 cttagcgcgg attgccatcc cgggggtgaa gaccctgcc a tctctccctg gcgcacattc 60
 acagccgagg atcgcgccga ggccaagccc cgcgacttct ccaagatcaa gttcgacgcc 120
 attctcgtct ttgcccactc tcgcgactac gctaccgaca tgcagctgat catcgatctg 180


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ctgctagctg aggacggcaa gctgctgacc cgcgccaagg accctgtgtc ctcccgcatac 240
cccacttact tctcccaggg tgacttgctc atgccgaccg accacaaggg cccccctcgg 300
ttgactcagg gttgcttccg tategcgcgc gaggcgcagt acaaggctct gaccgggtgtc 360
gacctggagc gtgttgtcta cggcaagccc gagcgcgcca cctacaccta cgccgacgag 420
gtgctcaagg cctggatgga gcagatccac aacgagaacc gcctgcccaa gaacatctac 480
atgattggtg acaaccgcga gtcggacatc gtcgggtgta acatgtacgg ctggaacacc 540
tgcttggtgc gcacgggggt cttccagggc ggcgagaacg acgagcaca ccccgccaac 600
tttggtgtct tccccaacgt gctggaggct gtcaaggctg ccgtccgcaa ggaacttggc 660
caggagtcca agttcaagtg gaaccccaag gtcaaccctg tcaccacagg cgatggctct 720
tccgctgtcg aataa 735

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<210> 7392

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7392

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gctgccatct cggcgcgtgaa tttactgcag agcaacttcg ccgccattca gcagggtgaat 60
aaagacagga agaatatgaa tttacgggtcc attccggaga ccatcgagtg gctccgacgc 120
atcgggtaca aggtgcgtat tcatcccatc tgtgatatta gtttggcaga gccttgctca 180
cctaaaatac gtatggccat gtactga 207

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<210> 7393

<211> 1173

<212> DNA

<213> A.fumigatus

<400> 7393

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tggaatgtct ataaaattgt gcagccctct gatctggacc aactaaatct cgttcacatc 60
gcgggcacga aaggcaaagg ctcaacttca gcttttgtgt cgtctatcct tccccaatat 120
actgtctcgc agtcacccga gttggaaagc tcttcccaa aaatcaccaa agttgggtta 180
tatacctccc ctacttgcg atttgcccgc gagcgcacat aaatcgacaa tgcccctctt 240
tccgaggaaa agttcgctca atactttttc gaggtatggg accgcttgga ggaggctgct 300
cgagtggcag gggagaaccc ttcagatcca cagacgaaac cacaatactt ccgttatttg 360
acactgatgg catttcatac gtatatcagt gaaggtgtgg atgccgcagt gatcgagtgc 420
ggaatcgggtg gggagtagca ttgcacaaac gtgattgata ggctgtttc aactgccatt 480
acaagcctcg ggatcgatca taccgctttg cttgggaaca cgatagatga gatagcctgg 540
cacaagggtg gaattatcaa gccaggcgtg aaggttttca gttcacctca accccccagt 600
gccgaggaag tactacacaa gcgtgcgcag gagaaggga cgcagctgca gatttgtgtct 660
gggcacgtg aactccatgg cggcagtgag ctcaagcttg gccttgccgg cgactttcaa 720
tatacaaatg catcgttggc tgtagctact gccgccgagt tccttgcgaa attgggactt 780
gaagatatcc ccccggaact tatggagagg cctctaccac ccaagtttcg caagggatta 840
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attcagaata attcgatcgc gagcgtgca gctaagagga agctgagtct tctgatcttc 1020
aaccaacaaa cgcgcgacag taatgctctt gcccaagcgc tccatgaaac cctctcaagt 1080
gctctagggc cggagagccc atttaccat gcaattttct gcaccaacgt gacctacaag 1140
gacgccgggt acatacttcg accacgggct gga 1173

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<210> 7394

<211> 1017

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (140)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7394

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cgtgccagaa	gtagacgaca	ccccgattgt	gaatacgtaa	cggcctcctt	gagacgagta	120
tgcaccaccg	ctaataatcn	caggttcctt	gtggagcaga	ttgtggcggt	gaattgcttt	180
ggctgtcctc	tctgtctctg	cgagtctcat	cgacgcacca	tgaccggcca	ggcgcaactg	240
gaccacgacg	agcagaaatt	ccattcctgt	ggcgtttggc	tcttggcatc	ctacatcaac	300
cattcatgct	gcagcaatgc	gcggcggttc	tttatggcg	atatgatgat	tggtcgtgcc	360
gcacaagatc	tgcgcgcggg	caccgaaatc	accttctggg	atcaatcacc	cctgaacagc	420
gatttccccg	agaaacgaat	gaacctgcag	cactgggggt	tcaagtgtgc	ctgcgcaata	480
tgccaagatg	cgcaacagac	cgagaagagc	attgtgatga	cgcgaaagaa	actcacggct	540
gatttgaaga	aagagatcca	atgccgcaag	aagccaaaca	caacgacaat	cacggctctc	600
ctctcccggc	tggaggagac	atatcgacag	cccgcctctg	aggttcctcg	tctcggcctt	660
tggagaccat	attggaatct	tgcaatgctg	tacgccatgc	atggacagcc	acagaagaca	720
atcgagttcg	cgctgaaaac	tctggaatcg	ctgggctacg	ttgttgaagg	cgggcacctt	780
ccccgtatct	cagggacacc	actgcgggtc	aagcaatggg	gattaatgac	agatagtctt	840
gtcgggtggt	ggatgagtct	ctcccattcg	taccagcagg	tgcgccctga	cctagcgcct	900
caagcgcacg	agtatgctcg	gattacatat	cggatctgtc	tcggcgaaga	cgaaacatct	960
gacgagacct	acgcgcagggt	atcggagcgg	tcatatgggt	tcttggccgg	cgagtga	1017

<210> 7395

<211> 252

<212> DNA

<213> *A.fumigatus*

<400> 7395

cgggtgacgc	ttagtatgga	cgccgccaca	gccacgtcaa	tgcagcatgt	cctcgaagcg	60
gaatgccggg	actgcacggg	gcttgccgtc	atgcaccaac	tccagcacgt	cgaacgggtac	120
cacctggtgg	cgctgatgga	tgtctggcgc	atcgtcgagt	tggattcgcc	tgccgccttg	180
ctggcgcgag	actcggagtt	ctcgagggtta	tcccggtgcac	aggctgcgac	ggggacaagg	240
cagcttacat	ga					252

<210> 7396

<211> 429

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (352)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7396

cacccccagg	aacgatggcc	ccccggctct	gaactccgtt	tccctgcaga	ttcctccagg	60
caccaagctc	gcatctgcgg	cgctccgcag	cggcaagtcc	tcgctcatcc	tttgcttctt	120
ggactcttta	gacatccagc	aaggcaccat	caccgtcgac	gggatccacc	tgcgcacctt	180
ggacccggcg	agtctccgga	cccgtctcgg	caccgtcccc	caaacaccct	acttcatgcc	240
gggatccatc	cgccgcaatc	tcgatccgca	caacaccgcc	tccgacgccg	atattatccg	300
catcctgcaa	gctatggccc	tctgggagcg	ggtccacgcg	ctgggcggcc	tnaccgccga	360
actcagggag	acggactggt	ctgcggggcg	gcagcagtta	ctctgcctgg	ggcgtgcgct	420
gctccgtag						429

<210> 7397

<211> 537

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (375)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7397

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gtttccctgc	agattcctcc	aggcaccaag	ctcgcatctg	cggcgctccg	cagcggcaag	120
tcctcgctca	tcctttgctt	cctgcgactc	ttagacatcc	agcaaggcac	catcaccgtc	180
gacgggatcc	acctcgcgac	cctggacccg	gcgagtctcc	ggacccgctt	cggcaccgtc	240
ccccaacac	cctacttcat	gccgggatcc	atccgcgcga	atctcgatcc	gcacaacacc	300
gcctccgacg	ccgatattat	ccgcatcctg	caagctatgg	ccctctggga	gcgggtccac	360
gcgctgggcg	gcctnaccgc	cgaactcagg	gacacggact	ggtctgcggg	cgagcagcag	420
ttactctgcc	tggggcgctg	gctgctccgt	agaagtcgga	ttctgttgct	ggatgaggcg	480
acgagcaggt	ttgtttccgg	ccccttgccc	tcctctgtcg	tggtcatggt	catgtag	537

<210> 7398

<211> 207

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (97), (98), (171), (175)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7398

cggatttttt	tcgtttcttct	ttgccatggt	ctctcaacat	ttttcacagg	caacaattgt	60
ctcccaaagt	tgttttcctc	tggtgaagg	ttttccnntc	caaaaaccac	ttggaaaaac	120
acctccaatt	tgcaaaaccc	ccattcccg	gtgccataca	agaaagctcc	nccanaattt	180
gggggcgcaa	ttattttctt	aaaccaa				207

<210> 7399

<211> 1110

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1005), (1006), (1079), (1083)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7399

acgatggcgt	ccacttcagc	gaccaatggt	cacgaacccg	agaaaaggct	caagttggag	60
aaccaaagtc	ctcctcggtt	tactgcggta	aatggaagg	aatcacagc	gccaacgtcc	120
gttggcccta	ctgcggccga	ctcatcaagc	aacgaagata	taccgaataa	tcaaggcaga	180
gtcgaactcg	acgtccatc	togaacggaa	gaacgccta	gagacaatgg	aaacaccgaa	240
attgacccgg	acgaacgatc	gacgcagtgt	tccacgtccc	atagcgattc	attatcagga	300
ggacaagggtg	caaacaagag	gaagagatca	gaaattgatg	agcgtcaaga	acttctctca	360
tcattctcta	aaggctcccc	aagtccagcc	atacggtcag	atgctgctgt	ggagtctcac	420
acccaacagc	ttgctgtgaa	cttcgctata	acacctcctg	gctctcatga	tctcaagcat	480
ccatcaccat	caatcgctca	atcagacaga	aatgaagatt	cacgatccgc	ctcagcaaac	540
gcttcattga	acgactatga	ttcacatctg	gtacaacagg	cacagcgcg	acagcagatt	600

gatccctcag	atgctcagtt	ggtggaggtg	cttcagcgcg	agtcccagga	tcatgatgga	660
caaagcttac	agcagaagaa	ctggagtgcg	acgaatcgct	cgacagaggg	atctgcgcaa	720
accaaagagc	cacaacatgc	tttttcacaa	gaacagccac	aagcggctat	acaagtgcg	780
cctaaaagaa	agcgcgtttt	cagcaaccgg	actaaaactg	gctgcatgac	ttgtcgcaga	840
aggaaaaaaa	aatgcgacga	gcaacatcct	gcgtgtaagt	taatccttgc	gacatctctc	900
atagatgacg	gatttttttc	gttcttcttt	gccatggtct	ctcaacattt	ttcacaggca	960
acaattgtct	cccaaagtgt	tttctctctg	ttgaagggtt	ttccnntcca	aaaaccactt	1020
ggaaaaacac	ctccaatttg	caaaaccccc	attcccgtgt	gccatacaag	aaagctccnc	1080
canaatttgg	gggcgcaatt	attttcttaa				1110

<210> 7400

<211> 222

<212> DNA

<213> A.fumigatus

<400> 7400

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tccaagcaat	ctcaaccttc	ttctcttatt	gcctcccacc	actcaacaac	tcatccaatc	120
tcctatctta	tacattgttt	aacctattat	gatcattcaa	ctagtatctt	caataccgca	180
agtgcacctt	tagtgcagcg	acaaggcatc	gaatccgaat	aa		222

<210> 7401

<211> 1476

<212> DNA

<213> A.fumigatus

<400> 7401

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gtcgaaccgg	ctaaagatga	cggacatctt	cttgacggtc	gagtcgaagg	ggaactcggc	120
cttttggtgc	cagacgggac	gctcgcctt	ggtccaccgg	tcgcggttcc	agttgaaccg	180
cgccgcgaag	acctggtatg	cgatctcggt	gggctcgccg	cgggcggtgc	actcgcctgc	240
gtcggagcgg	tagacgtgcg	acagggtggc	catggccggc	acgttgagga	actcctcgag	300
cgggggttcc	tgggctgcc	attcgctccg	tttgccgatc	accacggggc	cctcgttcgc	360
ctcgtcgaag	cgcaccggtg	gcaccggggc	gaacatcacc	tccccgacgg	tcggggtgaa	420
cgggtcattg	ttactgcaa	ccgagtacgt	ccccttgccg	gggatccacg	ccttcttgac	480
caccatcttg	ccctgcgtca	gggtgcccgt	cttgcccgag	cagatgtcgg	tcacggcgcc	540
cagcgccctc	agggaatcaa	gcttgccgac	gatcacgttc	cgctcgacca	tgcgttcgt	600
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ggccccgacc	gcatacagaa	tgacctcggt	gctactcacg	aatttggtcg	aggccatcac	720
gataatcgca	aacagcaccg	cgaccccaaa	cagcaggatc	gccagcttgg	acagcttgcg	780
ctgcagcggc	gtcccgcac	taacgcccag	gaaccggccg	acggcgctcg	tccccgtcag	840
cgtccacgcc	tgcagatacc	accgtttctt	ggtctcgccg	ttggggcccc	tcttgacggg	900
tcggcgggcg	cggctgcccc	cgcgcagggc	cgcagcgatc	gagccaatct	ccgtggccat	960
gccggtggca	atgaccacgc	cgcgggctcg	gccgcgcgtg	acggtgctgg	agctgtaggc	1020
cagggttgagc	cggctgcggg	ggccggtgtc	ttccttgaac	acggcgctcg	agtctttctg	1080
gaccgggagg	gattcaccgg	tcagaagggc	ttcgtcggtc	tcgaagttga	ctgettccac	1140
cagactgttc	tggtcagctc	tcccgtcgag	ggcactggac	aggttggttc	gggggtggggg	1200
gcataccgaa	tatcagcagg	aacagtatcc	cccgtgcgca	actcgaccat	atccccgggg	1260
acgatctcgg	cactgggcac	cgaaaaggtc	tgtccaccac	gggagaccgt	ccccgtgggc	1320
gagctcaggg	aatgcaacga	ctccatggtc	ttctcgccg	catactcctg	gaagaatccc	1380
accacgatgt	tcagcacgat	gacggcacag	atgacgcgcg	cttcgatcca	cgactggatg	1440
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<210> 7402

<211> 765

<212> DNA

<213> A.fumigatus

<400> 7402

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accggtggca	cgggggcgaa	catcacctcc	ccgacggctc	ggttgaacgg	ctcattgtta	180
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tgcgtcaggg	tgcctgtctt	gtccgagcag	atgtcgggtc	cggcgcccag	cgcctccagg	300
gaatcaagct	tgcgcacgat	cacgttccgc	tcgaccatgc	gcttcgtccc	caccgccatg	360
gtgatgggtc	acacgacgac	cagacacgcg	gggatcatac	tcagcccggg	cccgaaccga	420
tacagaatga	cctcgttgct	actcacgaat	ttgttcgagg	ccatcacgat	aatcgcaaac	480
agcaccgcga	ccccaaacag	caggatcgcc	agcttggaca	gcttgcgctg	cagcggcgctc	540
ccgacattaa	cgcccaggaa	ccggccgacg	gcgtccgtcc	ccgtcagcgt	ccacgcctgc	600
agataccacc	gtttcttggg	ctcgccgttg	gggccccctc	tgacgggtcg	gcggcggcgg	660
tcgcccgcgc	gcagggccgc	agcgatcgag	ccaatctccg	tggccatgcc	ggtggcaatg	720
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<210> 7403

<211> 384

<212> DNA

<213> A.fumigatus

<400> 7403

gccaggttga	gccggtcgcc	ggggccgggtg	tcttccttga	acacggcgctc	gcagtctttc	60
tggaccggga	gggattcacc	ggtcagaagg	gcttcgtcgg	tctcgaagtt	gactgcttcc	120
accagactgt	tctggtcagc	tctcccgtcg	agggcactgg	acaggttggt	tcgggggtggg	180
gggcataacc	aatatcagca	ggaacagtat	ccccgtgcg	caactcgacc	atatcccccg	240
ggacgatctc	ggcactgggc	accgaaaagg	tctgtccacc	acgggagacc	gtccccgtgg	300
gcgagctcag	ggaatgcaac	gactccatgg	tcttctcggc	cgcataactcc	tggagaagaatc	360
ccaccacgat	gttcagcacg	atga				384

<210> 7404

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 7404

tattcggtat	gccccccacc	ccgaaacaac	ctgtccagtg	ccctcgacgg	gagagctgac	60
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tccctcccgg	tccagaaaga	ctgcgacgcc	gtgttcaagg	aagacaccgg	ccccggcgac	180
cggtcaaac	tggcctacag	ctccagcacc	gtcacgcgcg	gccgagcccg	cggcgtgggtc	240
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cgcgcgcgcc	gaccogtcaa	gagggggccc	aacggcgaga	ccaagaaacg	gtggtatctg	360
caggcgtgga	cgtgacggg	gacggacgcc	gtcggccggg	tcctggggcg	taatgtcggg	420
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gcggtcggga	ccgggctgag	tatgatcccc	gcgtgtcttg	tcgtcgtggt	gaccatcacc	600
atggcgggtg	ggacgaagcg	catggctcgag	cggaacgtga	tcgtgcgcaa	gcttgattcc	660
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ggcaagatgg	tgggtcaagaa	ggcgtggatc	cccgccaaag	ggacgtactc	ggttggcagt	780
aacaatgagc	cgttcaaccc	gaccgtcggg	gaggtgatgt	tcgccccggg	gccaccggtg	840
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caggaacccc	ggctcgagga	gttcctcaac	gtcgcggcca	tggccaacct	gtcgcacgtc	960
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tggcaccaaa	aggccgagtt	cccccttcgac	tcgaccgtca	agaagatgtc	cgtcatcttt	1140

agccggttcg acggcgacgg cggcaccgaa cgcagcatgg tcttcaccaa gggcgccgtc 1200
gagcgcgatgt cttcaaccac g 1221

<210> 7405
<211> 372
<212> DNA
<213> A.fumigatus

<400> 7405
gtcctgatat tggccatggc gggtcagcttt ggcattccagt cgtggatcga aggcggcgctc 60
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aagaccatgg agtcgttgca ttccctgagc tcgcccacgg ggacgggtctc ccgtgggtgga 180
cagacctttt cgggtgcccag tgccgagatc gtcccggggg atatgggtcga gttgcgcacg 240
ggggatactg ttctgtctga tattegggtat gccccccacc ccgaaacaac ctgtccagtg 300
ccctcgacgg gagagctgac cagaacagtc tgggtggaagc agtcaacttc gagaccgacg 360
aagcccttct ga 372

<210> 7406
<211> 1002
<212> DNA
<213> A.fumigatus

<400> 7406
cagcgtgtac caggtgccga caggtacgtt ccttttcgag aattcatcaa tcatcatctt 60
tcatctaccc cgctgtcga atttctcggt cctaagctaa gggttacgaa gcgaaaatct 120
aggtgcgatc caggtattcc gagatgttcc ccatgcgaac gcagtaacgc caagtgcgta 180
tactacgatt ccgcccgcaa gtgcaccata ccgagaacat acattatctc cctgcgcgaa 240
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gatgccgagc tcatgggtccg aggggcagga cgcattcgat tcaaagagaa tgacgagtcg 360
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cagaacacag actcaaaaag catcaaaagat gttgttcctg agttcacagc ccaggagatc 480
aaagcagcat ttgcgctaga aagctctaaa ccgacatcga aagtctaccc catgatcagc 540
tcaattcctc aacctaactt acccccgcgt aatctaactt atcgattgat tgatgtattt 600
gtagtcaagg gtgagttctg cctctctaaa ccgacgattc ctgggtgcac ccgtttgacc 660
atatctgcag cgcaagccat gctaccgaca ctgcacgagc cttcttttcg ccaggagggt 720
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gcggcactac catacttaga ggccctccct agacgaatgg atctcagggc tttgcaatgc 900
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gtggggaatg gaggtcaaac tctgttcaag actacgggtc ga 1002

<210> 7407
<211> 228
<212> DNA
<213> A.fumigatus

<400> 7407
tcctccgatg caaggaagag gggcgtagtg gtacctctc ggtccagatc ccacagaggc 60
gctaagtcaa gtgatgagcc aacgactagg gactcagcag ggagctacgc acctgcccga 120
ggtaacatta accatttctt ttattccacc caccgcagc ctcaagatca ctacactcca 180
aggtgtatct acgtgcactt gttgcatcat tatttcgata tccaatag 228

<210> 7408
<211> 258
<212> DNA
<213> A.fumigatus

<400> 7408
 gcgcggatcc tgcagccccc tgtgagtga gacaagcagc cctttttcat taatccaagc 60
 tctgataaag ctgcagccat gaaggctgta tctattgggt caacactgta cacttctctc 120
 gagctgacat cagccgaatc cctatatttg atcctcgcaa actatcccgt cgggccatta 180
 attatcttct tctcggaata tcaattccgc caattttgga cgtcaattca tcaccgtcgg 240
 aatacttacg cgccctaa 258

<210> 7409
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 7409
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 ttcgaaaccc tctctgcctc tcttggcatt ttggctgaac ctctcgatgc tagcctcctc 120
 taccttattc ttgattttct gccagccgcc gcaaagggca gtgattttgg cctcttgact 180
 gaaatccgtg accaactctg gtttcgatga 210

<210> 7410
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 7410
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 caatgggttc tctcattggt cgggggaagc gctacttctc atgtatacga aatctcatat 120
 gttgatcctg gcgcaaagaa ggtcactatg tgctcaacaa atcttaacgtg gtctaacgtc 180
 ttgaacgtga gagaaactgt tatttaccag ccttcgtcat cgaaaccaga gttggtcacg 240
 gatttcagtc aagaggccaa aatcactgcc ctttgcggcg gctggcagaa aatcaagaat 300
 aaggtagagg aggctagcat cgagagggtc agccaaaatg ccaagagagg cagagagggt 360
 ttcgaaactg ttcttgaaat gagccgaagg gttttcggtg agcagcgtga gttcgagaac 420
 aagaaattac agtctctga 438

<210> 7411
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 7411
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 actaattatc ctccggaact gaaccccgca cagaaggact tcctggtaaa gactatcaag 120
 gactgggcta cgcaaaatgg cttgatggtc cgacctcatc tttcgttcgt ttcgaaagag 180
 tctgacctgt atgggtgtatt ggccacgaat gctccagtga cgttatttcc cagtctgttc 240
 ccacgggcat gcttcgaaga ggccaaggcg ttgcagaccg tgtacaacca gctttatgcc 300
 gcaattacat gtaatgagga atggccttggc aaaataatgg aagagtaa 348

<210> 7412
 <211> 2532
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (794)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7412

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cagtctgcgt	cgcaggcccc	tcgcccaaac	cctgtccaat	tcgaagccgc	tcttcgagaa	180
catttgatta	cgggggaggt	gctgttgcac	gatgtcgaca	aggagactct	gcgggatgag	240
cttggactca	aagctatcgg	ccatcgtagc	tctatcctta	tggcaatacg	ttaccttcag	300
cgacgttctc	aaaaatacca	gagttctagg	gtggagcttg	cttcccagct	cgataatcgt	360
cggtattcag	ttaccccaag	tcacctaacg	gctgttgctc	caagcccttt	cgaagaattc	420
tcataccgga	tccatcgga	ctctgcgcta	ccaacagtga	ctcctcaaaa	tttgatgcaa	480
tgccctcggt	gggtgacccc	ctcagcattt	acagtatccc	aaactaaaag	gacctttccc	540
cgggatgccg	cgacttcggg	tgagctgagg	ggcaacgagt	ctactacgac	gacagttact	600
actacaggca	gtgaaagtgc	aaccactacc	agcgagagac	gtccaagcat	cgccccacct	660
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gtggttgatg	ctgaaggaaa	gaagcgacgc	aggctggatt	tgagctctct	gcccgactca	780
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tgtacgtacc	aaaaagtcaa	ggccatcaat	cgcgatatta	ccttgctgga	gaaacggtta	1560
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aagagatcgc	ctttcatggc	aaccagctca	ccatctcctg	ccccctctgg	aaacgcacaa	2040
caggcagaga	tcattgacct	cacaatggat	tctcctccag	cttcagcaga	cgaattcagg	2100
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attgcgacca	tgccggactg	cgatcgtgaa	gagatggctt	cattaatacc	tgaatacgaa	2460
tatgatgagt	tgaacgacct	tgtcaaacag	gctctcagag	tcctttcgga	aggccaggag	2520
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<210> 7413

<211> 750

<212> DNA

<213> A.fumigatus

<400> 7413

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gccctggcgt	catcgcgcca	gtccggacgc	agctccgaga	gcagtagctc	cgtggacgtc	180
attgcgcaag	agaagcagaa	ggtagccgca	gcagcagcat	catcaaagac	ctcgactgca	240

agtaaagacc	gtccggacct	gcacaattca	gcttccccga	agcgggtggaa	gaccttctgg	300
gccgccttcc	gatacctgca	gcacctgacg	cccaagcagg	ttgacgactt	catggcgtca	360
tatgtcatct	ataaccttga	ctggtcggac	gagaagcaga	tgatcgagac	attggggcct	420
aactaccagg	agaaagtcgg	cgactgcctc	aaggcgctact	atgggggtgtt	gaatcacctg	480
tgtgcgctgg	gcgacgtgga	gaagatgtac	attccgccgt	tcattgagcaa	gaaggcgacc	540
gtgctggaga	accagctgct	gtacgaggaa	tcgacgccc	gtgacatcgg	gcttgggtccc	600
ggcgacaagg	tgttggattt	gggttgccgg	cgcggggcggg	tggcgggcgca	catgacgcaa	660
ttctccgggg	gtgcccaggt	caccggcatc	aacatcgacc	cgcaccaggt	cgcgcatgtc	720
ttagcggcgc	cgatggaaga	tgtattgctc				750

<210> 7414

<211> 213

<212> DNA

<213> A.fumigatus

<400> 7414

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gtcagatccc	agcccgttac	atacctctcg	gaccatagca	ctcttgccgg	tacctggggg	180
cccgtgaca	tacagacaac	cgcctttct	tga			213

<210> 7415

<211> 546

<212> DNA

<213> A.fumigatus

<400> 7415

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aaaacccctt	caaagtcaag	ataccgagac	gccctcgaat	cgcgcgcagt	caccccgaaa	120
cacagagtgc	aggttggcgg	caagtcgatg	actccgcgca	cacctcgcca	gatataccagc	180
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cgtgtgacct	caagaaaggg	cggttgtctg	tatgtcagcg	ggcccccagg	taccggcaag	360
agtgtctatg	tccgagaggt	atgtaacggg	ctgggactcg	acactgttca	agtagcgcat	420
atcaattgcg	ccagtatgcg	aggaccccg	gacgtatact	cgaaactcat	tgaggatctc	480
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tcttga						546

<210> 7416

<211> 1077

<212> DNA

<213> A.fumigatus

<400> 7416

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aacaacaaat	cgcgtctgat	actcatcgga	atcgccaatg	cgttgatct	caccgatcgc	180
tcattgccac	aattgaaggc	gaagaacttg	aagccctgcc	tcctaccttt	tttaccttac	240
aatgtctacc	aaattgcgaa	catcatcacc	aaccgcctcc	ggtctttgct	tccttctgat	300
caggatgtgg	aaccgaattt	tgtacctttt	gtccagcctg	cagccataca	gttgtgcgcg	360
aagaaagtca	catcccagac	cgggtgacct	cgaaaagcgt	tcgaactcgt	caaagtgtcc	420
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gcgtctcaatc	tacaacaaaa	agcggctctc	tgctctctcc	tcgccctgga	caggaaacgg	720

cgcgagagtg	atctctcttc	cacgcggtcc	aaaaccaaga	tgtcagcgcc	tactattaaa	780
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gctaccgaat	tcaaggatgt	cattagtaat	ttggagacgt	taggcctcgt	cggcgaattc	900
cagggccgtg	gccgaggtgg	aacgggtttc	ggcggtctctg	atatcagacg	cactccctca	960
aagtcgggct	gtgggccgat	gactccacga	aaaggaatgg	atgagcaagg	ccttatttgc	1020
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<210> 7417

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7417

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cgtcttgcca	ttgacagcac	ctccagtgtc	tatgtgagca	acgtgctctg	ggctagtcta	120
gacgacgagg	tctttctcta	cccccaagtt	tcaatttcga	taagacctgt	ccaggagcta	180
tag						183

<210> 7418

<211> 621

<212> DNA

<213> A.fumigatus

<400> 7418

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aatgccgcca	ttatgggctt	caggtcgctc	gctcactccc	tgcgagacta	ccatccgtcc	180
atctctcaat	cagtcgccct	gtttgagatc	ttccagacca	atgtcgctcc	cgtggtgaag	240
atcttccata	tgccaaccct	gacgacgctt	ttttggaacg	cagtcgcctc	gcttgacacc	300
ctcgattgca	acaccgaggc	cctcctgttt	gccatatact	acgctgcgat	caccagtact	360
atcgaccaga	cccagtgtcc	tctcgggtcta	acgcgaccgc	agggcccttg	tacctgtcgt	420
tctgcgctcg	agcaggccct	cgctctgtgt	gatctgctga	atacccaaaa	catgggtttg	480
ctgcaggcag	ctgctttgtt	tctctgtgcc	ttgcgccatg	aaaaacactc	ccgaactctc	540
tgtccctga	cagcctttga	ttgtacatat	ttgcacaggc	gaatgggtct	cctatctgaa	600
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<210> 7419

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7419

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ctatataaag	cctctctacg	ttgtagggtg	atgccattgc	agctgattga	ggtgatattg	180
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<210> 7420

<211> 861

<212> DNA

<213> A.fumigatus

<400> 7420

agacaggaaa	tcggttctgc	atggcccttc	taccgttcac	tgaacacagc	tattgaaaag	60
ttgtatcgcc	tcgaaaacgt	gccggggccg	tcattatctt	tccaaccgtc	ctgcgaggac	120
agcttctcaa	gaaacaggca	tgccctgtcc	gacactgtat	ccaaaattgc	gactacaatg	180

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ggtgcagcgc caggaacccg aaatccacca gacggcagcc gaacacactc cgacatccga 240
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cctgtcgaca cccaatatat gactcccaag gatacgacga tggatactga tgacctttcc 360
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aattcgacaa atgagctagg agcggcactg cttccatcag ctcaaaccce ccctcatcca 480
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gattgggcta caagtcgtga ggcaggcttg aaggattttg ggtttctaga cgacagtaca 720
ttccatgctt tttgtcatga tcttgatcgt ttgggtggat ccagccact gcttcacccg 780
ccgtctattg ccgacatctg gcctccccc a ggatttttcc ccgagacctt ccaagaatct 840
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<210> 7421

<211> 771

<212> DNA

<213> A. fumigatus

<400> 7421

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gatctccaag ctttgcataa tctcgaaca gacgcgtctc acgcaccagg gtccaccgac 180
tctagagcag caatacagac cgccctctgg aagatcgccc acaagcaact atatgattcc 240
cgtgcttcgc ggaaattgag tgcatacatg gccgtgacta cttccgccga tgattacaga 300
ggagccgagg aggatatttt atcggaaagca ggcatacatg actttcacga tctcctaaac 360
agtgagaatc acgaggtatg cgattccgat agttatgttg gaagcaattc tgagtatctt 420
gagtttatga atgaagacga aatgaactct atcttatcat ttgacggaaa ttattcacac 480
cattcaattg atatgctggg acatgacgat acagaacttg atcaaattcg ggaagaccag 540
gcaatagttg acgataccca gggcagaacc acaatacccg tgctcaatct ttcagagcaa 600
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gagcctacga gccacacact tcttccctat agctctagct tctcgggggc ttgtgagtct 720
tccgatgagg actgtgacct gatgctgtgt gaccacaatt gggttctata a 771

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<210> 7422

<211> 516

<212> DNA

<213> A. fumigatus

<400> 7422

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caagcgctca tcttgttacc aacaagagag cttgcgctcc aaacatccca agtttgtaag 180
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gatgatata tcaactgaa cgacgctgtg cacattctcg tggggactcc aggaagagta 300
ttggacttgg ccagcaaggg cgttgcggat ctttcggagt gtcctacctt cgtcatggat 360
gaagctgaca agttgctgtc cccgaattt acaccgctca ttgagcagct cttgtcattt 420
cacccaaagg acagacaggt gatgctcttc agcgccacct ttccgttaat tgtcaaata 480
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<210> 7423

<211> 948

<212> DNA

<213> A. fumigatus

<400> 7423

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gcagctcttg tcatcttacc caaaggacag acaggtgatg ctcttcagcg ccacctttcc 60

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gaacttactc	tacgaggaat	cacccaatac	tacgcttttg	tggaggaaaa	acagaaggtc	240
cactgcctga	acaccctatt	ctcaaagctt	caaataaacc	agtcgatcat	tttctgcaac	300
tcaccaaac	gagttgaact	tcttgcgag	aaaattacag	agttgggcta	ctcttgcttc	360
tactgcgacg	ctcgaatgct	ccagcaacac	agaaatagag	ttttccacga	cttccgcaat	420
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cgcttcaatt	tgtacaagat	tgagcaggaa	ctgggaacgg	aaatacagcc	cattccccag	660
aatattgaca	agaagctata	tgtctatgat	tctccagaga	caattcctcg	tcctatctcc	720
aatccatcac	agcaacgcc	aataactaat	actgcggcaa	atacgagcac	gacagaccgc	780
cgccatcata	atcctccaaa	tagtggaaca	taccagttca	atcgaggccg	gggttcgtac	840
cgtggacggg	gacagggtca	gcgcgcggagc	gcacaaatcg	aatcaaacia	gttcggtcac	900
cctcagggcc	aacacagtgg	caagacttca	acagcgccgg	tgtcataa		948

<210> 7424

<211> 414

<212> DNA

<213> A.fumigatus

<400> 7424

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acgaccagat	cgaccgatcc	tgtgaaggta	tgtttccgca	ttctttggaa	agtcgaaatt	180
gatgacaaca	ttaactgctt	ggatattgat	acctcgagtg	agcaagtcgg	agcagacgag	240
gttgcgacac	acaccattgc	ggaagtcgtg	gaaaactcta	tttctgtgtt	gctggagcat	300
tcgagcgtgc	gagtagaagc	aagagtagcc	caactctgta	attttcttcg	caagaagttc	360
aactcggttg	gtggagttgc	agaaaatgat	cgactggttt	atttgaagct	ttga	414

<210> 7425

<211> 369

<212> DNA

<213> A.fumigatus

<400> 7425

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ctctcattcg	acaaaaagga	cgttccaatg	tctgccatct	tcgattatat	ccaccagctg	120
gtggaccagg	cgtttgcctt	caccaagctc	atccagaatc	gcgaagtggg	atggctgaca	180
gttgaccgca	agaccggcga	atgcaagcgc	gagaagcaag	cattatggaa	gaaatttaag	240
ctgctactac	tctttaatcc	cttgacagaa	tggatcgatc	agactcatct	catacgaatg	300
tatacgcatg	agaagaacct	cgctgcaggt	tcgttatcat	cccttaggaa	taaggtctac	360
gaccactga						369

<210> 7426

<211> 357

<212> DNA

<213> A.fumigatus

<400> 7426

cagaatggat	cgatcagact	catctcatac	gaatgtatac	gcatgagaag	aacctcgctg	60
caggttcgtt	atcatccctt	aggaataagg	tctacgacca	ctgattgtat	tcaaggggcg	120
aaagaaggga	aacccagctc	ccacaaacag	atcaaaacct	tcgtcgactt	ctaccaaatc	180
gacatgtcga	agttcgaccc	atccgatatg	gagaaatagc	agacattcga	ggacttcttc	240
gtgcggaagc	acgccccagg	cgcgcgccca	attcatgcac	cgaacgaccc	cacaaaagcc	300
atcgtcgttg	ccgactcgcg	agtcgtcgta	taccaactg	ttgaagctag	ccccagg	357

<210> 7427
 <211> 303
 <212> DNA
 <213> A.fumigatus

<400> 7427
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 ccattgattt gcaggtttct cgaattctac aatccaggca cgctagtgtg cgagggtggg 120
 ttgaaatatt tcgctactga tcttgatctg tggtagcgag aatcagaaaag tgcccatca 180
 ttaaaacggt ccaagaagtt gaccaaattg aagccgacta gtgacatatc tgtttgctta 240
 agccaagttt caagacaatc agactggcac aactgggaat taagacagga gagtactcca 300
 tag 303

<210> 7428
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 7428
 actggagaat attctagaag gagagattta cccaaatacg acgtgcagtc agaaggagat 60
 caccatcgg atgtcatgac cacggcctgt ttaagctttt acttgtagct attctgggtgt 120
 tccatcagta tcatgtgggc taaattggcc aagggcctgt gcttcagcct tctagtccag 180
 tgcatttttg tgcgtatcct tgacaaggct gaaggctga 219

<210> 7429
 <211> 1287
 <212> DNA
 <213> A.fumigatus

<400> 7429
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 aaggctgccg atgagcaggc cgagccagct gcagcagcca atgggggtcg gaaacctgag 180
 aagaagaaga aaaagaaggc tgctgctacg gcccccgta ccggcgagag cccagcga 240
 gccaaggaag caacattcac tgccgatagg gggctgtccg gtgagtccgg cattgtgct 300
 caaccaagtg agcagaccac tcaagtggca ccttccacaa cacaaccatc aacctgggac 360
 gcccttttcc ctgccgccac tgctgccgca ccgctctccc ctgaagctgg tgccaaaaaa 420
 gctggcgaga tctgggccag acacttgagg gcactccaga ccggcggtcac tactgaattt 480
 aataagagtc tcggctcgca gcttgaaggc ctgtactccc gcttcgacga agagcgacgc 540
 aactgggacg ctgcatcagc agccaaacag gatcaagtct tgcggttggc ctccagcact 600
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 gttgtgcttg ccctgactga gcttacttcg gccgctgttg gaaaacagct agatcaggtc 720
 atttctcagc acctgggcag tggtgtgcct cgtgagggtc gtcaggctct gcctgatgca 780
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 aagatcgctt cccaccttga gagtgcacatg tcgagggcct tgcacaactc catcaccctc 900
 gccttcaaga gccttgctct gcaggccgag gaacagatcg gttctgacat gcagaagcag 960
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 cagctcacia gttttgttcg tggctctgtc gacacggtcg catcgatggc tgccgctcag 1080
 actaacttcc aaaacgaaat tctgagactc aatcgcggtg tgagtgtctaa acaacaggac 1140
 gaggaagcc gcagctcaca gcaggcatca tccgccggtc gggctgctgc tcccagtgag 1200
 gccagaaccg ccgaggatct tgaactggca gagattgccc agctgatgag tgagggccg 1260
 tacgaggagg gttcagtc aa ggtatga 1287

<210> 7430
 <211> 984

<212> DNA

<213> *A.fumigatus*

<400> 7430

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cgtgctgtcg	atacagttgg	ccttgacgga	gacaatgaca	ccaccctcgt	tcttcaagaa	180
catgtgggca	ttcaagccga	caatacgggc	ctgatcgggc	tgggcaacat	cggcgaagat	240
aacgtcaacc	atgggaacga	gcatacggta	gcgagagagg	tgtctggcgt	cctcgacgat	300
gggaataacg	ttggtgcggt	gggtggccat	gccaatcaga	tcacggccag	aacggtggga	360
gaactcaaca	gcgtagacgt	ttccggtagg	cccgcacaata	tcagcgacgt	gactgacgga	420
ggtaccactg	gcagatccaa	ggtagagaac	tttggaaacca	ggcttcatgt	agatatcatc	480
gagaccgccc	aggataccgg	cggcaagcct	ggaacgggaag	gggttccaca	cacggtactc	540
gatcttagtg	acggcgccat	cttcaccggc	aggggactcg	acagcaatgc	gcttctcgcc	600
atagacagac	tctccaggag	tcaagttctt	cgtgacaagc	aaatcctcct	taccaccacg	660
ggcaacgaag	acaccggcgt	gacggtgagg	ctctacata	ccctgtatt	agtatccaaa	720
cccctcgatc	gctcccagcc	acagaagaca	catacaatga	tgaccttggc	accacccttg	780
gcacccttag	caccaccacg	accgcccga	cgaccaccgc	gaccacgagc	agggccacca	840
cggccaccgc	cgcgagcacc	accacggcca	cgaccaccgc	ttccaagtcc	gcctgaaaat	900
gaacacaaat	ggtgttggct	tgccgtcctc	cccggggatc	tgttgaaagg	cgaacgttta	960
acctcccaat	tcggccccct	ttga				984

<210> 7431

<211> 627

<212> DNA

<213> *A.fumigatus*

<400> 7431

gagcctcacc	gtcacgccgg	tgtcttcggt	gcccggtggtg	gtaaggagga	tttgcttgtc	60
acgaagaact	tgactcctgg	agagtctgtc	tatggcgaga	agcgatttgc	tgtcgagtcc	120
cctgcgggtg	aagatggcgc	cgtcactaag	atcgagtacc	gtgtgtggaa	ccccttcctg	180
tccaagcttg	cgccgggtat	cctgggcgggt	ctcgatgata	tctacatgaa	gcctggttcc	240
aaagtctctc	accttggatc	tgccagtggg	acctccgtca	gtcacgtcgc	tgatattgtc	300
gggcctaccg	gaaacgtcta	cgctgttgag	ttctcccacc	gttctggccg	tgatctgatt	360
ggcatggcca	cccaccgcac	caacgttatt	cccatcgctg	aggacgccag	acaccctctc	420
cgtacccgta	tgctcgttcc	catggttgac	gttatcttcg	ccgatgttgc	ccagcccgat	480
caggcccgtg	ttgtcggctt	gaatgccac	atgttcttga	agaacgaggg	tgggtgtcatt	540
gtctccgtca	aggccaactg	tatcgacagc	acggccaaac	ccgaggttgt	tttcgctcgt	600
gaggtgcaga	agatgagaga	ggagtag				627

<210> 7432

<211> 1014

<212> DNA

<213> *A.fumigatus*

<400> 7432

ctcttttgtc	ctgttttggg	cctccaagcc	gtttgtgtac	gaacccgcca	ctcaactgtt	60
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ccagttcctg	agcttctttc	tgatcgtttg	gtatgcaaaa	tcatctttga	ccccatcctg	180
tccaaaagct	ggtttgtcta	tgacgcgatt	ttctttcaaa	ataggatctt	cggcattatc	240
gtttacttta	tttccgcaac	cctctcctac	atcttcatct	gggacaagac	gacagtcaag	300
catccaaagt	tcctcaaaaa	tcagatcccc	atggagattg	cgcagaccat	gcatcgatg	360
cctgtcatgt	ctctttttgac	cgctcccttc	ttgggtcgccg	aggtttagggg	atacgccaag	420
ttgtacgact	ccgtcgacga	agagccgttc	ccgtactata	gcacccctca	gtttcctctt	480
tttatcgctc	tcacgcgattt	ctgcatctac	tggattcacc	gcggcttgca	ccaccgcgtg	540
atctacaagt	ccctccacaa	gccccatcac	aagtggatta	tgcttagccc	cttcgcgtcg	600

catgccttcc	accccttggga	tggttggtcg	cagagtgttc	cttaccatgt	tttcccgttc	660
atctttcccc	ttcagaagct	ggcctatggt	tttctcttcg	gctttattaa	cctatggacg	720
gtaatgattc	acgacggaga	atatgttgcc	aacagcccga	tcacaaacgg	ggctgcttgc	780
cacacgatgc	accacctcta	cttcaactac	aattatggac	agttcaccac	actgtgggac	840
cgtctcgggtg	gcagctaccg	gaagcccac	gaggaactct	tccggcgcga	gacgaagatg	900
gatgaagccg	aatggaagag	acagaccaag	gaaatggaga	caattctcaa	aacagtggaa	960
ggcgaagacg	accgcaagta	cctctctcaa	gaagaggcta	aaaaggacct	ttga	1014

<210> 7433

<211> 573

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (42)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7433

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gtatattcgg	ctatgctgcc	cctatcaact	tcctcgacgg	tctcattacc	aggcttgacc	180
aatgctgcca	atagctcttt	gtccctgttt	ggcgccctca	agccgtttgt	gtacgaaccc	240
gccactcaac	tggtccgtct	ggagccgtcc	aagtaagcct	acctgagcgc	atggcccaga	300
aacaacatct	accgccagtt	cctgagcttc	tttctgatcg	tttggtatgc	aaaatcatct	360
ttgaccccat	cctgtccaaa	agctggtttg	ctaatagcgc	gattttcttt	caaaatagga	420
tcttcggcat	tatcgtttac	tttatttccg	caaccctctc	ctacatcttc	atctgggaca	480
agacgacagt	caagcatcca	aagttcctca	aaaatcagat	cccatggag	attgcgcaga	540
ccatgcgcatc	gatgcctgtc	atgtctcttt	tga			573

<210> 7434

<211> 477

<212> DNA

<213> A.fumigatus

<400> 7434

gtcacgctct	tctatttttc	atctcgaacg	gatctttgta	ttttttttgt	ctgtttccac	60
ctccacgacc	agtcggtcta	ttcgcaacgg	aatacgatat	tgatgttttt	atccgccgac	120
gcaattttgtc	attactggag	gacattggcg	tacttcatgg	cgcgaggaag	tcgatcaaag	180
gtcccttttta	gcctcttctt	gagagaggta	cttgccgtcg	tcttcgcctt	ccactgtttt	240
gagaattgtc	tccatttctt	tggtctgtct	cttccattcg	gcttcatcca	tcttcgtctc	300
gcgccggaag	agttcctcgt	tgggcttccg	gtagctgcc	ccgagacggg	cccacagtgt	360
gggtgaactgt	ccataattgt	agttgaagta	gaggtggtgc	atcgtgtggc	aagcagcccc	420
gttgatgatc	gggctgttgg	caacatattc	tccgtcgtga	atcattaccg	tccatag	477

<210> 7435

<211> 201

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (46)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7435

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tctcagacat	tactgactcc	taaatggaag	gacacgcaaa	gtaaacctag	atggaatggc	180
gtccccccat	atttcgactg	a				201

<210> 7436
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 7436						
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ctctacgcct	ttgcaaagt	gcgccctgaa	acggggggaag	tctatatgac	agactcttgg	120
gctgatattg	agaaacatta	ccccgggtgac	tcctgggtctg	atactggcaa	caatgtctat	180
ggctgtatca	aacagttgta	tctcttgaag	aagcagaacc	gtaacctcaa	ggttctcttg	240
tccattggcg	ggtggaccta	ctctcccaac	tttgctccgg	cggctagtag	cgacgctgga	300
cggaagaact	ttgcgaagac	tgcggtgaag	ctgctgcagg	acctgggatt	tgatggactg	360
gatattgatt	gggaggtgag	ttga				384

<210> 7437
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 7437						
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gactacttta	gctcatgcc	aatctttcct	gttttatcaa	aggaaatcat	gatccgaggt	120
ccctcaatga	gtaaggtatt	acttaagatc	ctgcttgaaa	catttccctc	gaactgtcaa	180
gcctgggtta	ttactgatgg	acttttgctg	tag			213

<210> 7438
 <211> 732
 <212> DNA
 <213> A.fumigatus

<400> 7438						
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catcctactg	tacccacact	ctacacgaaa	tcaccaacaa	gtgcgagcga	atttgagaac	120
gatctgagac	tagacaaaat	atcaattgaa	tgcgttgata	tgataccctg	ggaacacgaa	180
agcgcagcgg	cttggaacg	ggttggcaag	cgagacgtca	aggacaacc	ggtcgcaacc	240
gggatcgcca	ccgatattct	cggcgggcta	cgcaccaagg	ggaaatatat	accacttgac	300
cagcagacgt	cggaaagtat	ctgggggtatt	gtgcaccttt	accgagatgc	agaggagacg	360
ccgttctctg	tcagttagga	ttaccctctg	gagctgaaag	ggtcggcggc	ggcggccaga	420
cagccgtatg	atcagctcgg	tggtcgccag	gatgcgccgg	ccaagggcca	ctcgccctct	480
ctgcgccagg	atgaggattg	cacgaccctg	tgcatacttg	cagtgccatc	ttacatgtcg	540
ccttcggact	ttctgggctt	cgtgggcgag	accacaatgg	atgaagttag	ccatttccga	600
atgatcagga	cggcgagggc	aaatcgttat	atggttttga	tgaaatttcg	gagtgggaag	660
aaggcgagg	agtggcagaa	ggaatggaac	ggtaaagtct	tcaatagtag	ggaggtgagt	720
ctcctcggct	ag					732

<210> 7439
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 7439

agacggttga	gatacaagct	gttaattccg	actctgacgt	ctccacatcc	cagcagagta	60
ctccttctgc	ttcgcatgct	gcgactagcc	cccagcggac	gaccatgtct	acctctgttc	120
agccgagctc	catacccact	gccaccctct	cgagtaaacc	ccttgcgctc	ccctcaccgc	180
cgctcattga	gttaccacc	tgcctgtgt	gcttgaacg	catggatgaa	acgacggggg	240
ctgttgacga	tattgtgtca	acatgtcttt	cattgcacct	gtctgcagaa	atggaaagga	300
agcggatgcc	cggtgtgtcg	atatacccaa	gatgatttcc	gcagggggca	gtcaaggagc	360
ggcctacgga	gatga					375

<210> 7440

<211> 375

<212> DNA

<213> A.fumigatus

<400> 7440

tttcgtccac	agccggaaac	gtgccatgtc	gtcttcgtga	agacggttga	gatacaagct	60
gttaattccg	actctgacgt	ctccacatcc	cagcagagta	ctccttctgc	ttcgcatgct	120
gcgactagcc	cccagcggac	gaccatgtct	acctctgttc	agccgagctc	catacccact	180
gccaccctct	cgagtaaacc	ccttgcgctc	ccctcaccgc	cgctcattga	gttaccacc	240
tgcctgtgt	gcttgaacg	catggatgaa	acgacggggg	ctgttgacga	tattgtgtca	300
acatgtcttt	cattgcacct	gtctgcagaa	atggaaagga	agcggatgcc	cggtgtgtcg	360
atatacccaa	gatga					375

<210> 7441

<211> 807

<212> DNA

<213> A.fumigatus

<400> 7441

tttccgcagg	gggcagtcaa	ggagcggcct	acggagatga	gcccggcaga	gtgcagcgtc	60
tgctgcctcc	aggtcaacct	ttggatctgc	ctcatttctg	gaaatgtcgg	ctgcggccgc	120
tatgacggcg	cgcacgcctt	cgcccactac	aaggagacct	cgcattgcgtt	tgcaatggat	180
cttgccagtc	aacgtgtgtg	gagctatgta	ggagatgcgt	acgtccaccg	gatcatccag	240
agcaagacag	acggtaagct	ggtggaactc	cctgcagcgg	acaatagcgc	gcttgatcct	300
cccgaactga	gcgatgcagt	gccccgcgag	aagctcgaga	acatgagcgt	cgagtacaca	360
cacctctctc	cgagccagct	ggagagtcag	cgcgcttact	tcgaggaaat	cgttgagcga	420
gctgccgaca	aggcatcgca	ggctaccgct	gcagcctcca	gggcacagga	aaccgcccag	480
aaggcgcagg	ccagtctgcg	ggtcctgcag	gcgcagtacg	ataaactgac	tgcaagagacc	540
cttcccggcc	tcgagcggga	caaggctcga	gcggagaaac	gggcagagaa	attcgaagcc	600
atgacacgca	aaatggagaa	ggaatggcga	gaggaaaaga	cgatgaacga	gagctttatg	660
aagcgtatcg	cacatctaac	gtccgaagtc	acggagctca	aagccgcaaa	cgcagatttg	720
accgagcaga	atcgtgacct	cactttcttc	atcagcggct	cggaacggct	caaggctcta	780
accgcgcgct	ccaaggatac	gagtcag				807

<210> 7442

<211> 453

<212> DNA

<213> A.fumigatus

<400> 7442

gcagcaacac	gaagccgact	aggaagtgca	gcgcgacgcc	gctgctcctg	ctcttcctgc	60
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tcggcttgct	tgatccgcct	ttgctcggcc	tccttcggtt	tgcgctcctc	ttcctcggcc	180
ctttcgcgcg	ccacacgggc	agctcgttct	tcctcttctt	ttgccaaagc	agccttctcc	240
gcttcagctg	caagacgctc	ttcttcgcgc	atacgtctct	tttcggccct	tttcgcctct	300
tcccggcgcc	gttcttcaga	ctcggatctc	ttggcgacag	tcttcgcctc	ttccatggga	360
atatcagcca	ggtggcctac	atcctgcctt	tctccctctt	tcttcacagc	tcttgagtcg	420

gtcgcgcgtgt gcggtgtact atcaacctgc tga

453

<210> 7443

<211> 1662

<212> DNA

<213> A.fumigatus

<400> 7443

gagaggccta	tgataattac	attagagcca	agcgccctgcg	caagcaggag	gcttcttcac	60
cgaaacgacc	gcgcgacagg	gagaaggaaa	acaagcggcc	gggcccgcaga	cactccccgt	120
cgcccgcggt	ttcttccagg	aaggccgtat	caagtccagg	cgccgggtcac	caccgagagc	180
tctcttccaa	agatgctgct	acatcggaag	gaaaagaaac	gggaggggtgt	aactcactta	240
aaggagagat	ccgatccag	taccaatcgc	cccagaatag	cccacaaggg	cagtgacaat	300
gcggcggacg	ccgatgggtt	tcgggtggaa	tccgctcagt	ccacatcatt	agcaacgctt	360
accagagatg	aggaagctcc	caggagaagg	cgtttgattg	cagggcgccc	tccacaggat	420
cgcgatcgca	gaagaccag	cataccatct	tctgattccc	tgtcaggcct	tgaagactct	480
gctaaatccc	ggatcgatcc	ttctaccgaa	gctacgacag	tcccgaactgg	gccggtggtc	540
ttgaaacgcg	gacgcagtag	cgctagtccc	gaacgcccc	gttctcgtgg	tgcagattct	600
gaccaccact	cacgcgaagg	ccagaaaaag	aaacgacgtg	ttctatctga	agacaggacg	660
ccaagcattt	ccaatgggtg	attgaagaaa	agtcacagca	acggcatagc	ggaggattcc	720
aaagccgatg	ttcggctgaa	gaaaactgaa	gttcaatcct	tggagtgcga	gcgtgatcag	780
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agatccgagt	ctgaagaacg	gcgcccggaa	gaggcgaaaa	gggcccga	agagcgtatc	960
gcggaagaag	agcgtcttgc	agctgaagcg	gagaaggctc	gcttggcaaa	ggaagaggaa	1020
gaacgagctg	cccgtgtggc	gcgcgaaagg	gccgaggaag	aggagcgcaa	acggaaggag	1080
gccgagcaaa	ggcggatcaa	gcaagccgag	gatgagctgc	agaagagact	agcacaagaa	1140
agactgcgcc	ttgcgaaatt	acggagggag	caggaagagc	aggagcagcg	gcgtcgcgct	1200
gcacttcccta	gtcggcttcg	tgttgctgct	catctcatcg	gctccaatga	cccgcgagcg	1260
cggagtcatg	cctggctgaa	gagggttcag	ccggttggtt	ctgcattcac	aaaacaactg	1320
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cctttattag	cgaccaatga	tctccagctg	tcccaataca	ccagttggga	gaagcgtaat	1440
gcgactccca	ctcagcggga	gaatctgtgg	cgctcaccc	gtcggatgct	ggttcaggga	1500
gatgatatgg	acttcatgaa	ttcctcggtt	gggcagatca	tgcagaagga	ttgcgaaaca	1560
cgaccgaaat	actttgacat	ggaacatgta	ttttgggtta	aagtaagtca	ttttcctttg	1620
cgaccgtcct	tcattgtgcc	tcagaatcag	ttcaatcact	ga		1662

<210> 7444

<211> 1116

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (4), (5), (6), (7), (22)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7444

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ttactggagg	cgggcgcaaa	tcctcgacag	gtcaacgcgg	aagggtgatga	gccgtatgat	180
ttggtcccat	ccgactcgga	agactatgca	gaaatccgcc	gtgtacttgc	agaggctaaa	240
gccaatcccc	ggcggggtcg	tcgttccgaa	gagcgttctg	gttccgcaaa	taaggagata	300
agctcaaaaa	gggttgctgc	ttcaagcccg	cgcaattccc	ccccggtgaa	tgtacctcgt	360
agcccccttc	tattcggggc	cactacgagg	cgaaagactg	tgcgaagtga	agccacacga	420
aacgacctac	tctggacca	agctacaccc	gagaatctgc	aagcatttgc	tgcaaaaggt	480

gatattgcgg	gagttgccaa	cattctcaac	gttggggcaaa	aagccgacac	cgagtcgatg	540
atagctgcag	ccaagggcgg	tcatgatgag	gtactgtctc	tgttgcttgg	gatgggcgac	600
gcggatccgg	atcctgagcc	acttcatgga	ggaaaccaga	aaccgggcta	caatacaccc	660
atgcttgccg	cgatcgcccg	aggtaacctt	gctgtcatac	gcttgcctgt	ggatcagccc	720
aaattcaatc	cgacacgccg	actttaccgt	gatcgtacct	actttgagtt	atcgcgagaa	780
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attagagcca	agcgctgcg	caagcaggag	gcttcttcac	cgaaacgacc	gcgcgacagg	900
gagaaggaaa	acaagcggcc	gggcccgcga	cactccccgt	cgcccgcggt	ttcttccagg	960
aaggccgtat	caagtcagg	cgccggtcac	caccgagagc	tctcttccaa	agatgctgct	1020
acatcggaag	gaaaagaaac	gggagggtgt	aactcactta	aaggagagat	ccggatccag	1080
taccaatcgc	cccagaatag	cccacaaggg	cagtga			1116

<210> 7445

<211> 891

<212> DNA

<213> A.fumigatus

<400> 7445

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gatatggggg	cettgggtaa	cagtactgtc	gagtcctgaca	atgacaaggc	cgtggaccct	120
gccctgcctt	ctccgcccgc	tgattctcct	ccgtcaactg	ctgcgaacga	atcagaacgc	180
tcatcaacat	caacaaccgc	cacctctgtg	tgtgatgctg	cggtcaaaat	caaagtagaa	240
gaaacaatag	aacaatctgc	agagaaaagt	tccgccctat	ctgaggcaaa	tgttgagctg	300
ccgaccacgt	ctctgcggtc	aggcagcact	gaggggagaca	caaaattaga	actatcagac	360
cagccgagca	cattaaaaca	gggatctatt	ggttctaaca	gaaaggagcg	cagaaagtct	420
cgccgaaaac	cccttggtgt	tgagtcggtg	gaggctgagc	gccaaactcgt	ccgtgttcca	480
ggggattata	ccaagacttc	gaaacttttg	gcgcagacat	acgaccgctg	ggttgactgc	540
cacacttgta	atgcctgggt	tgtgcaacat	gactcctact	tgactcgacg	agagtgcctt	600
cgctgcgagc	gtcactctat	gttgatggg	taccgctggc	ctaagactga	taaggagggc	660
ccgtcggacg	atgaagaacg	agtgatggac	catcggacgg	tgcaaccgtt	cctatacccc	720
gaggaagagg	ccctcatctc	gcgtaaagat	cgccggcgta	gttttggtgt	aacgcccacg	780
ccagaattat	ccgagccacg	cacagaaacc	gaagggaagc	aaggctgtga	ggacaggcgc	840
actactcgtg	cgagccggcg	ccgcactcgg	tcgcttcgaa	tgacaatgtg	a	891

<210> 7446

<211> 219

<212> DNA

<213> A.fumigatus

<400> 7446

ccttggtcgtg	gagttgcctt	caattttgtg	agaacctttg	ccacattctt	cacgacttct	60
gagcgcattg	actcgtcgaa	gaaaggcgtg	gtcaagactt	tgaagatcag	tgtggccccg	120
gaattctggt	cactcaagat	cttctccaag	acctcgtccc	cggggctgaa	gaacaacgcc	180
cgtaaaacaa	tctcgcgagc	ctcgggctcg	ttgcgctga			219

<210> 7447

<211> 1758

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (113)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7447

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agcccgacca gaatgttcga tgctccacgt attcgagaca tccgcaagag gatagacaac     180
ggttcttggt caattcagga gattgaggaa actgcggtcg caatgcttcc tgagatcgcg     240
gaactgtcgt cagattatct gggcaacact gtcgttcaga aactcttcga gtattgctca     300
gagcagacta aagaacagat gtcgttcccc attgcacccc attttgctga gatcggtggt     360
cacaagaatg gtacctgggc tgctcagaag atcatcgatg tcgccaagac ccctgcacag     420
atgaagatga ttgttgatgc tcttcgtccc tacactgtgc cgcttttcct tgaccaatac     480
ggcaattacg tcttacaatg ctgcctacgt tttggcgctc cattcaatga cttcattttc     540
gagaccatgc taagccgtat gtgggaaatt gctcaggggac ggttcggcgc tcgagccatg     600
cgagcctgtc tcgagagcca ccacgcctca aaagaacagc aacggatgct tgcggtgcc     660
atcgccgtgc atagegtaca gctggcgaca aatgcaaacg gcgccctggt gctaacttgg     720
tttttggaca cctgcacatt ccctcgctcg cgtaccgtac tcgccccacg acttgttcct     780
catctggtcc atttgtgcac tcacaagggt gcttacctga ccgtgctcaa agtgattaat     840
cagcgcaacg agcccgaggc tcgcgagatt gttttacggg cgttgttctt cagccccggg     900
gacgaggtct tggagaagat cttgagtgc cagaattccg gggccacact gatcttcaaa     960
gtcttgacca cgcttttctt cgacgagtca atgcgctcag aagtcgtgaa gaatgtggca    1020
aaggttctca caaaattgaa ggcaactccc agccaaggct acaagcggct catggatgag    1080
gttggactat cttcacgtgg aggcgctaga gacaatcatc acgggcgaga acaatcaggt    1140
cattctgaga acaagcagca tcgtcctact tctaggcaag cacaatcgac catggatagg    1200
cattttaacg gacagttcgc aocaggtctt cttgctcaaa acatggacaa ctcaaggtcc    1260
gttctgagc aacaaccagg cgctgcgcca ttcgaccctt actcgatcag tgctgtcaat    1320
ggcatgagcc ccacaggtgc actcagctct ctcaacggac ttgctgcaat gaatggtgct    1380
gggtttgtcc aggatccctt gctgcccctc actcagcaac agctccaata tcaagcttta    1440
ctagctgccc aatcccgggg ggtgtctccc gctggccttt atcctactct gggtaacccc    1500
agctttgggt atccaccggg aacaccgtcc ttggaacagt cttcggcagt ctgctcctat    1560
gcctggaaca cccactcaat tgctgaacca gcaagccttt gctccccagc agttcagccc    1620
tggtatgggc acgccccaga tttatcagta tccctcctcaa ttctattcac aaacacctca    1680
ggcccctgga cagtcggctg ggggacgcgc cggacgtgta agttcatctc cagatgggtg    1740
acatggtgcg tgacctaa

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<210> 7448

<211> 543

<212> DNA

<213> A.fumigatus

<400> 7448

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gcatggcaaa ttggcctgtc ctcgagaccc tgcattgagc atccacttct ataccaatgc      60
cgcacaaagc gggcatgtct tggcgatgat ggcttgtgct gcttggtacc tggtaggcgc     120
ggagcccggt ctggagaagg acgaaggcga ggctacgag tgggccaagc gagctgcaga     180
actcggtatg tgcacacacg gactcaactg gttaatatgc taactctcta cataggactg     240
gcgaaagcgc aatatgctgt cggatacttt accgagatgg gcattggctg ccgtcgtgat     300
ccattagagg ccaacgtctg gtacgtgaga gcggcggatc agggcgacga acgcgcaaag     360
cagcggattg ccacgattcg agctgccgcy gagggcagga gccctgcgca gaatggaaaa     420
gaagggcaaa aagagaaaca gaagtctcta ggtgcgttca acgacccttc gtgttatctc     480
aagctaatac atggaacaga tgccggaaaag tctggcaaata ccaaacgttt cactattttc     540
taa

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<210> 7449

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7449

```

gtgacgagct acgtattgag tgcaatgaac cacctggtca gtgccagtac tcgatatgat      60
gtcattatgg acatgctggg acttatgata gtggcgcttc tcttgatga agatgcacca     120

```

ttcattcagc taaaacagat gtacaaagag tcaggcattc gcaatgcggc attttcagga 180
ctatctatga tcttttag 198

<210> 7450
<211> 378
<212> DNA
<213> A.fumigatus

<400> 7450
cagtacaact ctgcgcctta cgaacttggc ctccttcacg aaacgggctt cggcgatgat 60
gtcttttctg atccggccta cgcagctcag ctattcacca agtcggcgga tctgggccat 120
gtcgaagcga gctatcgtct tggagatgcg tatgagcatg gcaaattggc ctgtcctcga 180
gaccctgcat tgagcatcca cttctatacc aatgccgcac aaagcgggca tgtcttggcg 240
atgatggcct tgtgcgcttg gtacctggta ggcgcggagc ccgttctgga gaaggacgaa 300
ggcgaggcct acgagtgggc caagcgagct gcagaactcg gtatgtgcac acacggactc 360
aactggttaa tatgctaa 378

<210> 7451
<211> 483
<212> DNA
<213> A.fumigatus

<400> 7451
ttaccttgct tgcagaatct ggacgacttc aagtccgaat cgtgtctaac gcccttctct 60
tacttttttg tatacgtctt tcttttggtc tccatcgcgg tgtatggcgt cgacaccttc 120
actgcgggtca atctgctggc cttctcgcga tgggccggct caattgaacc ggctattccc 180
tttacagtgt cgagggtggat ctttgccggt tgcattatcg tctctttcgt cctgttggtt 240
cttcgggtggc ttcattgcgat tcgcgcgatg cgctcgggga gcattgcccg aagttacttg 300
gatccgctgg ctgcgcgggt ccagagtatc cgtatgggga gacgtggtcg cggctggaga 360
cgcttttttg tctttgcgga gttaacgaag agtaagaagg gcgcagagta tgtggctttg 420
ttcgcgtact tttctttcga gagtaagcct cttgctttgt ctaccttttt ggggttcaac 480
tga 483

<210> 7452
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (164)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7452
acacagtcct tcgcagatgg tccccgocaa gttgtcaatg ccatcacttt gtactccgtg 60
atgagaatgg accttcttcc cgggtggtaaa aactccgtgg acgacgacaa ggcaggcatc 120
atacagtttt tcgagaatgt caaaatcctg gccgatcttc tccttaggac gggacgtacg 180
cattag 186

<210> 7453
<211> 198
<212> DNA
<213> A.fumigatus

<400> 7453
gtatataata attatacttt ctctaattac tttattttact tattattata ttatattact 60

```

cttggttttac tactttactc ttatatctct tatttattac tttatcttat cttactagaa 120
tgccttatttt tactagacta ctatatactt ttttatcttt tttttcttct aatctctagg 180
ggggactatt atatataa 198

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<210> 7454
 <211> 417
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (393)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 7454
ccagacatcc caatctccct cttcttgccc attctccatc caaccgctct aaccttcccc 60
gggtttgttt gttectttta cttttttggc ctttttcttc ctgtttcatc cgcagtcgcc 120
cctccatccc cccccccccc gcccccccg cccccccctc ctctctcccc tctatcgaag 180
gcctggtttc cccaccgcgt gtgcaaaaac taccaccccc cccccttagg aaacttttgg 240
gcccccccc ctgggttttc caaaaagaac aacacctaca cccccccggc cccccccccc 300
cccccccccc cccccccccc cccccccccc cccccccccc ccccccccg cccccccccc 360
cccccccccc cccccccccc cccccccacc cccccccccc cccccgcccc ccccccg 417

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<210> 7455
 <211> 729
 <212> DNA
 <213> A.fumigatus

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<400> 7455
gagcgagcgg atggatatca ttcttcctgc aggattgtat atggcagagt aagatggtat 60
cttatgagaa tgatttcaat cagcaagtct gcgctgctag tagcggcgcc cctgagcggc 120
ctctcccagg cggccaatta taccgaatgg atggcctcgt cttcatgac caagaatata 180
tcctgtccc gcaactacgc caatggcgct ctctacaccg gcatggagtt cgcatacaac 240
aagaccaagg atgaacgcta cttcacctac atcaagtcgc aggtcgatgc cgttgctgat 300
ccctccggcg gactgatcga ctaccgggg tcaaccgtct cactcgacga catccgcatt 360
ggcctcaate tcctttggct ttggaccaag acgggagatg acaggtacaa aattgcggct 420
gataccctcc gtgagcagct taacttcacc ccacgcaaca aggccggcgg gttctggcac 480
cgcaagccca cgtaccgaa ccagatgtgg ctggacggga tttacatggc ggagaacttc 540
tatgcgcagt acaccgcgtg gttccagccg aacaatgcta ctgcatggga cgatatcatg 600
ctgcaatttg acttgatcga agagcactgc cggttgaaga ccggattgct ggtgcacgga 660
tatgacgaga gtaaagtggc agtctgggct ggtatgtctc aacagaacct cactgacctt 720
tgtggatga 729

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<210> 7456
 <211> 633
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (605), (606), (611), (616)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```

<400> 7456
aagagagaca ataggctaca caaaatgaca aaaccactta ctgaaataaa accctcgtcc 60
cccagcatca cgcgctcgac tactactaaa gcaacgttca ctaatctcac ccccgagac 120

```

tccatattcc	gctccacagt	ggaaaacacc	tccatcacca	ggagtccac	atccggagcc	180
ccaagcagcg	ccagcatcag	cgtcaaacgc	agcaaactcc	agtcctgcac	cctaaccaac	240
tctccacccc	gccgctgcac	tctcaccaac	acaaccctcc	tcaacgtccc	cgcagcccg	300
tcgctcgatg	caactgactc	gtcgctctcg	aatatccgcc	gcctgcgacg	gagcgagatc	360
cgcgccagcg	cggtaagcga	tagtgccgct	cggcggagca	cggttgtgga	ctccaccgtg	420
aagcagtctc	tcctctggcg	gagtaagctg	aaccacgtgg	acatgttcaa	gagcaggggtg	480
aagagggcgg	tgctgacgga	ctgcgaggtg	agtgagtggtg	tggtgatcgg	gacggagttc	540
aaggggatgc	ggttaagggt	tgggggtttg	aagcatggga	ggttggtggg	gaggggtggg	600
gaggnncatg	ncgcanagaa	tgcgctccgc	tag			633

<210> 7457

<211> 762

<212> DNA

<213> A.fumigatus

<400> 7457

tattgtcaag	aacgcctcaa	acgatgttac	tgccgcactg	cgcaggacgc	accagctgat	60
gcaggcagaa	ctatctcgaa	gtcaatttgc	tcaccaaact	ctaggttcgt	tatatttgca	120
ttgggagacc	atcctcaatc	tgctaattct	ataaccacag	agcaatccac	agctgccctg	180
tctcattat	cggagtctta	caccgatctg	gactctctcc	tctcatcgct	ccgcgatctc	240
atcggttctc	tcctccggtc	ccaaaagtct	gacacttggt	acctggaaac	agcattctac	300
atccttggtg	gaacaatatc	ttggctcata	ttccgctcga	tattatatgg	accgctctgg	360
tggcttgat	ggctgccgat	taagttgata	gcgaggtcgg	cgttcgctat	ccttggaaca	420
gtcgggatca	ctagcacggc	cgttcaatta	caaccatcag	cttcaactcag	ccaaagcatg	480
cctcatgaag	caccaacatt	aggacaaaca	gcagccatgc	ctagcgcgct	catcagcgct	540
tcttgggacg	aatcccaagc	tcctgaagag	caatctgaga	ctgatcggct	gattgatcag	600
attggcgata	cgatagaaaa	gaacagcaaa	ttgggggacg	aaaccaacat	cgacgacgtg	660
tcaccagaag	aaaggcaacg	acaagaagag	ataccgcgaa	atccaaagaa	acgcatgtac	720
gaagctacag	aaatcgaaca	agacctgaga	gatgagttat	ag		762

<210> 7458

<211> 1251

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1200), (1220)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7458

acctataacc	attggcggat	ccttcgcccc	tgtggtgaag	acaaagagat	gaccgcggcc	60
gagcttcagg	attatgtca	actgatggac	gaatttgcca	aaggattcga	ccctgactcc	120
cttgctcgag	agatcatggc	tacgtacca	cttctcgagg	aagacctgtt	ccccagctcc	180
ttcgcccacc	tcttgatcct	ccttccttcag	accgatggca	agatcgaaat	cgccaggta	240
aagctagttc	gttggtgctg	tgctcgttat	cccattgctt	tatgtgagcc	aagcgagact	300
caactggctg	acgagacggt	cttcatgtcc	gagattgaga	tgctgagacg	gctactgtcg	360
accttgcggtg	gagacgacga	caagcccata	tattggatca	actgcaggcc	ctttgagatt	420
ggcaagtcct	gcgagcaact	tgaagcgctc	atcaaggtga	ttagagcctt	tgagtgtgac	480
atgcggtccg	caacagagga	gattgacgag	gaaagtaaga	tcgcacgtca	cccaccattc	540
cacctgccga	tgaagctgac	cacaataaac	acaggacatt	tctatcatga	tctccccgtc	600
tgtaatgaac	gcactgtgct	gataagtatg	agggcacagc	ggtgggacag	ttctcgtgca	660
tccattggct	ggaacaatta	tctgtcatct	gagatcgagc	ttacaagggt	ccaccagtat	720
ttcaaacacc	atgtcatgga	gcatgacccc	aataaggctc	gtggatatgg	gtggctgccca	780
ccagaccata	tcagagttcc	tctctcgctg	tctaccaatg	ttgatcttgt	cgacgtgtct	840
gattggcctc	taaacgatca	tcagaagagg	atcatgagcc	tgctgttcaa	ggttgctcag	900

tggattgggc	tagcgagagg	actcgcggcc	gttcattctct	tttgtgacat	tgctcgtaac	960
tttaccatcc	acaagccctc	cgagaatccg	agtgccagct	acgtcctctt	catgcagaaa	1020
cttgccgagg	ccagactgtg	ccccagctcg	attgaatcgc	agatcccgac	cccgtttccc	1080
tacaacgacg	agacctacgc	aaaacgcaac	cgggccttct	ttattgacgt	cttcagatct	1140
gccaaagggg	tggtgtgctg	tcagggtccaa	atgaactctt	ttttgaaaaa	aaaagcgacn	1200
agaatatcct	ggctatcccn	aacacggccc	tccttggggg	tttttttggg	c	1251

<210> 7459

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7459

aacctcccac	ttttatcgcc	tccgttactt	tcaaacgggt	ggacaagaat	caaaacgcgg	60
gacaaaattc	ttccagtcga	gtattatgcc	cccacaagca	ttcaaaccgt	tattgggtgc	120
aagggtcccc	tccaattctc	ctttctccaa	acactggact	gggcttacgt	ctcattgctc	180
catgggttgg	catcttga					198

<210> 7460

<211> 1419

<212> DNA

<213> A.fumigatus

<400> 7460

tttatcatgg	caaccctaac	ctcatcggtt	tctcgccgcg	agtcacaggt	agtcacctcg	60
atgacgaacc	tgctcggttct	acctcctatt	ataacagatg	cttctgggaa	gacacaaatc	120
gggcagcgga	catcggttga	tgcgaaagat	cgtctgtcga	cgtactcgaa	tgtttccacc	180
acttctcaga	atcgctctcg	tcccggtctg	catgtgtttc	caatctttca	ttccagcttg	240
ccatatgcgc	tcgttcggga	tttcgcgtac	cctccagttc	acccaattca	ttacgggtct	300
ctcccacccc	gtgcctccgg	tgtgtccact	ccggcaagcg	agcatcgggg	cctttcggac	360
cctcccgcac	catgggataa	ctcgctgggt	caatgggtcg	cgggctcttg	gagagcggat	420
cagagccatg	ggcagcatca	attacccgca	atgtcggttg	gcgatggggc	cccttatagc	480
gaagatgaag	atgtgcatag	cccagtgttc	tccgcatccc	gccaccgcaa	gaacaagtca	540
acagggatga	atgcgaatgg	ccgaagaacg	agaagtcccg	gtcgcggcca	tcaatctgcc	600
tattttctccg	gtgatgtcga	ccgaggaata	ctggtcagta	tgaacgcaga	cggcagcgag	660
acttattacg	tcaatgatga	cgatgatggt	tcagatgatg	gccctggagg	agaatatgtc	720
acctatcctc	cgagtgaag	ccaatattct	cacatgggga	acgaaactta	cggcgactat	780
gaggaccgtg	agcatgatgc	agggttcgaa	tctgaggacg	attattccgg	tgcgcggcca	840
tactcgggtg	atttccaatt	cgcagttggc	tgtccagatg	aggagatgca	tggcaaagcg	900
gttcgcgtat	ttgatttcac	cagagaacat	gagaacgaac	tgcccttgac	ggaaggacag	960
gtgatttttg	tctcatatag	gcacggccag	ggctggctag	tcgcggagga	tccaaagact	1020
ggtgaaagcg	gtttgggtacc	agaggaattt	gttcgggttac	ttcgggacat	cgaagggtggc	1080
ctgacatcgc	tcagcgtcga	cccaagtctc	gatactgagg	aagatgatag	cacatatttg	1140
agcccggact	caaccgactc	agagcaggct	atcacaccaa	ctcagaatga	ccaattgcct	1200
cttaccactg	aaaggggggc	tggtcatatt	cccaacggcg	catcgaattt	ggagagttca	1260
gccgtcatcc	cagatggcgg	cggcgaaatc	gaatcgaacc	agtcacattt	tctgcacaac	1320
ggacaggaga	tcggtagcac	cccaccaatc	gaacaacaaa	tgccggagaa	acaaaagaca	1380
gaaagggaaa	gccagatggg	tatcttggcg	aagacatga			1419

<210> 7461

<211> 246

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (16), (116)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7461

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gggcttcacac cttttntggc cgataataat cttatggact gtatagaccc gcccaaaatt    60
caagaggcgc agtacatgca ttcaaagttc tacaacatca tttctttcgc tcacantacc    120
gactgcttcc atctgcggtt cgtccgcacg ttgaaatggc gtgggttcacc tcttcagaaa    180
aattcccgaa ggacgaccgc tcgtccagcg cgtctgacca ggcccagat tctcccgata    240
aattga                                           246

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<210> 7462

<211> 993

<212> DNA

<213> A.fumigatus

<400> 7462

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ggcttgcatc gcttggtcgg agccaaatat ctgaacacaa taaccggcca tggagcgtgc    60
actatcatct ggtcattggc gactgccata gtgtcgctgg tgttctctct gccacggacg    120
tttagcggat tgtccaaggc cgccactttg tcggcaattt tcaccttcgt atccgtcatt    180
ctcgcagtca tcttctcggc cgttgaagat catccggcgg gctactctgc tgcgcagggt    240
gaaccaattg tgaccgcgat tccagtggta ggcaccacgt tcgtttccgg tgtcaatgca    300
tttttgaaca tcagttacac attcattggc caaatcacac ttcccagttt catcgctgag    360
atgaaggaa ccaaggattt ttggaaatcc gttacggccg tgacgattgc cgagatcatc    420
gtcttcagtc tgggtggcgc tattgtatat gactatacgg gaaatcagta tatgaccgcg    480
cccgcatctg gttccatcgg caacgaggtc tataagaagg tatctttctc gttcatgggt    540
cctaccttga tcttctcggc tgttctatat gcttccgtgt cggcgcggtt catctttttc    600
cgtcttttct acggtacgcg ccacaagggc aatcacaccg tgggtggatg ggccctcctg    660
actggtatcc ttgccgtcct ttggatcatg gccttcatca tcgcgagagg cattcccttc    720
ttttccgacc tgctctccat catgagctct ttattcgatt cgttcttttg attcatcttc    780
tgggggggtt cctatctccg gatgagatac gccgaccacg ggccggggtt ctacaagaag    840
cgcggtatcc gcggctgggt tggctttatc gtcaacatcg gcctgatctt gacgggattg    900
ttcttcttag gaccgggaac ctatgtaagc ctctctctca agcattctca tgagcgtgtc    960
gctaacgtga ccctatgcag gctgccgtta tga                                           993

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<210> 7463

<211> 879

<212> DNA

<213> A.fumigatus

<400> 7463

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agaacggatg tctttaagcg tcacttgacc tccgtgcatg gcgttgagca aacaccaccc    60
aactgtcgca agaggagtcc tgggtgcagct tctgtcaaga aggtttcgga ttattgccag    120
gatgccactg gcaaagtctc aacttgctct gccaccttca gcaacgcaca ggacttttac    180
gagcatcttg atgatttgtt tctccggggt gtgcaacaag tagaacctag cgagggttatt    240
aaccagcaac ggctggcaga agtggactgc gatgaggagg tcaagaagac catggagaag    300
cacaagcttc tcgatgccgc cgggtgacgtc gacgatgaac ctgaggaaga tgacgacgat    360
tataacgaac tcaatcttca gctgcgatca agcaaagggt cattcaagtc aaacaaagcg    420
aattcgagct taggatctcg tcccatcatg ggtaaccaca acgctgttac caagaatggc    480
aaggcccgcg caactatttc gaagaggcgc aacaaccgcg atcgctaccc tccttcttg    540
ggctgccccg gtagcagcat gaagacgaaa aagcgcgtct tgtgcgtctt cgacggccag    600
cgccgtctgt ggaaagatga aatgatgctc gacaatgagt tcgaagtacg gctgaagcta    660
cccgaggagg ctggtgatgg tacgaaccgg gaagcatata taactgacct ggatgtcgag    720
actttaaaac gtgctgaagg cgtgttgagc gccaacgagg atgaaaaggg tccttggtta    780
gagggaccgg caaccatct catgggacag ccagcaaaga tgttgctctg actttctcat    840
actcacgaag atgttgatat cgatgacttg atgtcatga                                           879

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<210> 7464
 <211> 519
 <212> DNA
 <213> A.fumigatus

<400> 7464
 tgcttttcagg gcgtcctgga tgaggatgaa cgctgcgccg aggagctgtc cccctgtcca 60
 gcagatggtg cttcctatct cgggcgagaa ggggtacgtt atctcgacga ggtactcgag 120
 cacgacgggg aggaggccga aggacgatgc gccgaggagg gcgcagacga cgtacgccgg 180
 ggcgatgcct gcgggactgg acggggcgaa tatgagggcg atgtagcaga tggcgacgat 240
 ggggaccagg atccggatgg tgccgaggtg gtgcttgaag cggtcggtga tgggagagat 300
 gatggccgaa ctaatgaggg cgacaatgat gagaatgccg cctgcaatgc cggcgtctgt 360
 ctcgagaaaa ccgtatgggt cgagaatttg gttcaggagg gaggagacgc tgttgaagaa 420
 gccgacgtag acggagaagg ggatcaggat gagccagaat tcgagggttt tgaggagctg 480
 aatcagcgcc ggacggaggg gtgttttact gcctgctga 519

<210> 7465
 <211> 453
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (435)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7465
 tggggggcaa atggattcga tatgctggaa cgaaagccca ggggaggcat atttggtggg 60
 gcaatgttgg ggcagatctt catcggaactg gcgcaaccat tctgcttgag tgcgccgaca 120
 aggtatagcg atctctggtt ttccgatcaa gggcgcatga gcgcaacagc ggttgcaact 180
 ttagccaatc cattgggagc agccttgggg cagttgctcg attcgctctg ggcgacaaca 240
 cccaagcagg ttccagatat ggttctgtac atatcgatca ttgtagggtgc atcgtcaatc 300
 ccacgcagcag gagtgttttg tcgtaaagca acccatatca gcagcaatac tgatcgcatg 360
 cataatctga caggcaaccg tcgcgtcaat cccatcatte ttcatccag cgcaccccc 420
 aacgccccca agcgnntcat cagcaggcag taa 453

<210> 7466
 <211> 870
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (65)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7466
 caggcaaccg tcgcgtcaat cccatcatte ttcatccag cgcaccccc aacgccccca 60
 agcgnntcat cagcaggcag taaaacaccc ctccgtccgg cgctgattca gtcctcaaaa 120
 accctcgaat tctggctcat cctgatcccc ttctccgtct acgtcggctt cttcaacagc 180
 gtctcctccc tctgaacca aattctcgaa ccatacgggt tctccgagac agacgccggc 240
 attgcaggcg gcattctcat cattgtcggc ctcataggtt cggccatcat ctctcccatc 300
 accgaccgct tcaagcacta cctcggcacc atccggatcc tggtecccat cgtcgccatc 360
 tgctacatcg cctcatatt cgcctcgctc agtcccgag gcacgcgcc ggctacgctc 420
 gtctgcgcc tctcggcgc atcgtccttc ggctcctcc ccgtcgtgct cgagtacctc 480
 gtcgagataa cgtacccctt ctgcgccgag ataggaagca ccactctgctg gacaggggga 540

cagctcctcg	gcgacgcgtt	catcctcatc	caggacgccc	tgaaagcatc	agacaacgct	600
tcaccacctc	agaacatgag	aagtgccttg	atcttctcag	ccgtcgtggc	agccgttgcg	660
gcgccgtttg	cagtctgcat	cgggctggtt	ggcggggatg	tccgccgccg	ccggttgga	720
gtcgatcgcg	gcgtcccttt	ggaaaatgct	gtttgtcgag	accccgaggc	agccagtgcg	780
ggcgtgcacg	taggtgatga	gaacccaat	actggactgg	atcatgcttc	tgatatgcca	840
aagctggcgc	ctaaatactc	atcatattga				870

<210> 7467

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7467

gatagtgttt	cgctcttgca	agatcccgtc	caaacgcctg	cgcaaaagaa	actcacggag	60
cgtttccgca	cccttgctca	gcatgtcatg	cagtggcgca	agagttgcga	acattccctc	120
cacatcatgg	tcaccgaagt	aaagtctaga	ggcttccctc	aaccttccat	gccagagttc	180
gtgccacaga	accgcgactc	gaatcaattc	atggctgacg	agatcggcct	gctcgactaa	240

<210> 7468

<211> 1971

<212> DNA

<213> A.fumigatus

<400> 7468

tcaccattaa	ccaccagct	tcagcagtct	gaccccggtg	ttggtattat	tggcaaagcc	60
caagcataca	gggaagtaga	gctgacagag	acatggtttg	agaaacttca	gcatgaggaa	120
gaggcacttg	ccgcttacaa	acgccgtgag	agaattgata	cagactcttt	tggtgtcact	180
atgggcaaga	tgcggtgtct	gcatgcgctt	ggcgagtggg	aggtattgtc	tgatcttgcc	240
caagagaagt	ggaaccaggc	ttctctagaa	catgcgagag	ccattgctcc	cctagcagca	300
gcagcagcat	ggggacgagg	ccagtgggag	ctgatggatt	cctacttagg	cgtgatgaaa	360
gagcagtcct	cggataggct	tttcttcggt	gcaattctcg	cgatccatcg	aatcaattt	420
gatgaggcga	caatgtacat	cgagaaagcc	cggaacggcc	tcgacacaga	actatcagct	480
ttacttggag	agtcataata	ccgtgcctac	aacgttgtcg	ttcgtgttca	gatgcttgc	540
gaattagagg	agatcatcac	ttacaaacag	aacattgggg	accctgagaa	acaggagtca	600
atgcgtcaga	catggaataa	gaggttgtct	ggctgccaac	agaacgttga	agtatggcaa	660
cgcatgctca	aggtcagggc	gctcgtcact	tcaccgcgcg	aaaaccttga	tatgtggatc	720
aaatttgcca	acctctgcgc	taaattccaat	cgcatgggac	ttgccgagcg	atcactcgca	780
tctttggaga	ctgttgtcac	tgacaacaat	ggtacaagaa	ctatcgctcc	tcccgaagtg	840
acctacgctc	gcttgaaatt	taattgggct	actggctgcc	agcgtgaagc	tcttcagatg	900
ctaaaagagt	tactgcaaaa	tctgacggat	gatttgaatc	gctttaatgc	gctcatggca	960
tcacagtccg	atcataacgg	agttgatggc	gtcaacggaa	tcacagaggc	aatcatgcg	1020
gatatgatgg	gtctccgtga	acgtattggc	gatgtagcca	agttccgcaa	gctgctttct	1080
aagagttatc	ttaggcaggg	agagtggcag	acaactttgc	aacgaggcga	ctggaagccc	1140
gaacacgttc	gcgaggttct	cggcgcatat	tctgctgcca	cgaaatacaa	ccgcgattcg	1200
tacaaaacct	ggcattcctg	ggctttggcc	aacttcgaag	tcgtgacaac	gattgccagt	1260
cagacaagca	gggacggggg	tatcaagccc	gtagtccctg	gccatattgt	gacagagcat	1320
gtcatacctg	ccattggagg	cttcctcaga	tcaatcgctt	tgatcatcac	ctcgtcgctc	1380
caggatactc	tgagactgct	gaccctttgg	ttcacttatg	gcggtgacca	agaggtaaat	1440
aatgttgtca	cagaaggctt	caatgcagtg	aacattgaca	cctggcttgc	ggtaactcca	1500
caactcatcg	cccgataaaa	tcagccaaac	ctcaaggctc	gaaccgctgt	tcacgcctc	1560
ctggccgaag	tgggcaaggc	ccatccgcaa	gcgctggtgt	acccattaac	cgttgcgatg	1620
aaatcgca	ttaccgcgcg	ttcgcaatcc	gccagcacta	ttatggatag	tatgcggcag	1680
cacagtgcga	cttttagtga	gcaggccgat	ctcgtcagcc	atgaattgat	tcgagtcgcg	1740
gttctgtggc	acgaactctg	gcatgaaggg	ttggagggaag	cctctagact	ttacttcggt	1800
gaccatgatg	tggagggaat	gttcgcaact	cttcgcgcac	tgcatgacat	gcttgacaag	1860
ggtgcggaaa	cgctccgtga	gtttcttttg	cgcaggcggt	tggacgggat	cttcgagagg	1920

cgaaacacta tcctatgcgt cttcacgcac cggggatgga aggtaccgcg c

1971

<210> 7469

<211> 405

<212> DNA

<213> A.fumigatus

<400> 7469

caatgccaac	agtggaacac	ggagctctgc	cctgacaacg	aatcctgcgc	tcaaaactgt	60
gcttttagatg	gtgccgatta	cgcggttaca	tacggtgtca	ctacttctgg	atccgagctt	120
aagctcagct	tcgtcaccgg	tgccaacggt	ggctcgcgtt	tgtaccttat	gcaggatgac	180
gagacgtatc	agcatttcaa	cctgctgaac	cacgagttca	ccttcgatgt	ggatgtctcg	240
aaccttcctt	gcggtctgaa	cggtgctctg	tactttgtgg	ctatggatgc	cgatgggtggc	300
atgtctaaat	accctagcaa	caaggccggt	gccaagtacg	gaaccggata	ctgtgattcc	360
cagtgccttc	gggatctcaa	gttcatcaat	ggcatggtaa	gataa		405

<210> 7470

<211> 777

<212> DNA

<213> A.fumigatus

<400> 7470

gcgctgacga	taacacaggc	caacgtggaa	ggctgggagc	cctccagcag	cgacaagaac	60
gcaggcgctcg	gtggccacgg	atcctgctgc	cctgagatgg	acatctggga	ggctaacagc	120
atttccactg	ccgtgactcc	tcatccctgt	gacgatgtct	cacagaccat	gtgcagcggc	180
gatgcctgcg	gtggcactta	ctcggaagc	cgctatgcag	gcacttgcca	tcctgatggc	240
tgtgacttca	atcctttccg	catgggcaat	gagtccttct	atggccctgg	aaagatcggt	300
gatacgaat	ccaagatgac	cgtagtgacc	cagttcatta	ccgctgacgg	cactgacagt	360
gggtgctcttt	ccgaaatcaa	gcgtctctac	gtccagaacg	gtaaggatgat	tgccaactct	420
gtctccaacg	ttgccggcgt	gtctggtaac	tcgatcacct	cggacttctg	cacggcccag	480
aagaaggcct	ttggcgatga	ggatatcttc	gcgaagcagc	gcggcctcag	cggcatgggc	540
aaagccctgt	cggagatggt	tctcataatg	agcatctggg	acgaccacca	ttctagcatg	600
atgtggctcg	acagcaccta	ccccactgat	gctgatccct	cgaagcctgg	cgttgcccgt	660
ggcacctgcg	agcacggcgc	cggcgacccg	gagaacgtcg	agtcccagca	ccctgatgcc	720
tctgtgactt	tctccaacat	caagtttggt	cccattgggt	cgacctacga	aggttaa	777

<210> 7471

<211> 543

<212> DNA

<213> A.fumigatus

<400> 7471

tgggtctccgt	ctctttgttt	accaggctgt	tacccccgag	atgctcatgc	ttctttcaca	60
attgcgccac	aagtgtgcca	ttggatacgt	cagttaaccc	gttcaactgga	tctcgacgtc	120
caatctcacc	cactgcaggt	cggcggatcc	aaccttgcca	agcaacaaga	gcaacttgga	180
acggggggcga	cggacgtgac	ctcccttttc	gatttctgct	tcccggagaa	tggtttgatg	240
gcttttctgtc	tgggcaagcc	tcttgccagc	accagcttca	ttgagtggat	cggcgaggag	300
aaataaccaga	agctgggtgaa	cttcaccttc	agatactttg	cggacttgca	gttgcccaag	360
aagcgtggta	ccttcattga	attccgaaac	ggaatgatca	atgttagtcc	gataggcaga	420
aatgcaagtg	ttgaagagag	gaacgagttc	gaagcgtatg	tatacgaact	tgggctcagc	480
cagccattgc	aaagacgcc	attaatctgt	ggataccatc	agctaaccat	acggcagata	540
tga						543

<210> 7472

<211> 264

<212> DNA

<213> *A.fumigatus*

<400> 7472

caatcaatct	gcagctactc	tatcggcggc	cagattttctt	ttgacgtctt	ccccactggt	60
tgggacaaga	cctattgcct	gcggcacgtt	gaagccgaga	aagaaatttc	tgggggtgag	120
tacacaacaa	tccacttctt	cggagataaa	tgttttcttg	gaggtaatga	ctacgagatc	180
tactcagaac	cggggacgat	aggtcattcc	gtacatgggc	ccgaggaata	catgaagcag	240
cttaaggaat	tgttccagct	atga				264

<210> 7473

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 7473

cactcctttc	tcgatacctt	ttttcttttc	tacaccatcc	gacactccta	cagccagcag	60
gagtgcctta	aatcatcatg	tctacacct	caacggccac	tgcaacgcac	cccacgcacc	120
accagcaaca	ctacgcattt	cctcatcacc	acgcctacca	gccaaacgcc	tcctttcccg	180
tcacaaccgc	tgcaaggact	gctcgcctag				210

<210> 7474

<211> 639

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (150), (179)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7474

acttgggaaga	ttcccgaacc	agtaaatttc	aatgttgagg	tattggctct	gcacttggtta	60
aataggttca	gcattgagta	caacaagaag	ccgggcaaata	tggccaccgt	caaggtcgtc	120
aaggatcctg	ctgttgcccg	agagaacagn	aacaagagtg	tacttattca	caccggtcnt	180
ggggagcatg	ccaactcggg	gtccaagcca	accccgaggc	ccaagcaagt	cagtgcgcgt	240
ccagtcacca	aagggaagct	actccgtcct	ggtggtccag	gaggaggacc	ttccaagctg	300
gcagccagac	ccactcctgc	agctcaaccc	ctaccccggt	ccacgccaca	gcctgctgaa	360
cctcagccag	ctgcgagggc	tgttcctcaa	cctgttgctg	ccgttgctgc	ttctcacact	420
cgcaccggct	caacagcttc	agtgagggcg	ccgcctccac	ccccaccagc	cgctgcacct	480
gctccgaaga	aaccgaccgc	aaagggtttg	tatgacttca	atagccagca	atccaacgag	540
ctgtcaatca	aggctggtga	gattgtgcag	attgtttcca	aggaaggaaa	tggttaagcct	600
ggaagttcca	tttcgtctca	acagtctact	aacgagtga			639

<210> 7475

<211> 426

<212> DNA

<213> *A.fumigatus*

<400> 7475

cgagtgatag	gttgggtggct	gtgtatgaac	atgacgactt	cggcgcaggg	ttggacccca	60
gaagcatatc	tcgaagagca	agttgtctcg	acaccgaaac	ctgccccctc	gccgccgcca	120
gcagccccga	ggctcgacccc	tgcaccagcg	accaacgggtg	ccgcccgggc	agccaaggcc	180
aagcctgcac	ctcccgcgcc	tccagcgaaa	cgaccgaata	tggcagcacg	caaggcagtg	240
cccacgccac	caccggctcc	tcgcgacagt	gctgtcagca	tgaactctca	cgactcttct	300
gggggtagcg	gtcgtggggac	acccaacagt	atgtccaacg	caagcttagc	tggtggtctc	360
gccgaggcac	tgagggcgcg	gcaacatgca	atgcaaggaa	agcaggatga	tgatgacgac	420

tggtga

426

<210> 7476

<211> 687

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (70)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7476

tccaatacgg	gcgttctcgg	taataactcca	cattatttcc	ttagtctgtg	gctgagtctg	60
tcccactgcn	cgcagagatc	tggtccatcc	tcatacgtag	ctgacctgac	ccctcaccag	120
caaacagagt	acacaagagg	ccccgtcggg	agtatattaa	gaactcacc	acatccgtct	180
cacatctacc	acattcaacc	atcccttatt	ccatacacct	cagacatcaa	ccaattaacc	240
aaaatgtcct	tctcaaacc	aatccaagac	gccctctcgg	gccacagcca	cagcaacaac	300
aacagcagac	acgacaatga	ctacgacgag	ttcaaccccg	ccgtacgcta	cgccgaatcc	360
cacgccaaca	cctccgaact	ctccctcttc	acctccgccc	tctctttcct	aaacgagAAC	420
aagcaccgcc	tctccaatga	caacgacatc	aacgagcagg	aaatgatcca	cgcgaccag	480
tcgctctacg	acggccgcga	tagcgagcgg	cgccacgact	cgctctccgt	cggcgcgggg	540
gcggcgatgc	aagcgctcaa	gatgttcacg	agttcgctctg	agggggagaa	gagcgggatg	600
gataagaatg	cgttcatagg	gctggcgatg	gcgcaggcga	agaagatggt	tgaggagaag	660
gaggcgaagg	gggaggtggt	aagttaga				687

<210> 7477

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7477

ggggaaatgc	atggggtaag	gcctcaaggc	actccatccc	ctcttctggt	tggccgctgc	60
actcttagcg	tggaatccct	gcaattgtct	gtgcccgcgc	attttaccag	ctctcagact	120
gcggcatacc	taggggtatct	aactgtcgtc	cacaaccatc	accaattaca	agctagcctc	180
ttagtggtgg	tagcttga					198

<210> 7478

<211> 1260

<212> DNA

<213> A.fumigatus

<400> 7478

catactgcaa	aattccgcgt	ccatgagacc	cagaccctct	tgataatacc	gaactatacc	60
gtctcacgtg	gtctgctctt	catgtttcga	tccattatcg	gccgccacgg	gcactcctat	120
gggtcctctc	gactgacagg	ctccgctccc	aggcccacgc	tttgccagac	acggccaaac	180
catccagcgc	cattcgtcga	gcctccgtat	ccagcacatt	cagagcagca	tcataccagg	240
aatcatcaaa	gccctccggg	ttatcaccca	gagcctgcac	cgatattctc	tcagtttcat	300
gcagtcaaaa	cgacgcagag	caaagtcgtg	tcacccgggtg	accgtgctaa	agcacggaag	360
gaggtgcaaa	atgggcttga	aagtaaattc	ttttcgattg	tccgagaggg	tcaaccggac	420
ctgggtcatga	gagcattact	cgatcccaaa	tttgaaaact	tgggttgatc	gttacctgag	480
agtacctttg	tggaagcctt	tcgctcgtcg	tctcctgcat	acttcattga	tccttttaga	540
gctattttatc	gcccggttga	tccatctacc	gtagccgtca	aagggttacc	gcaattggac	600
aaaatctctcg	atagggtttgc	ttccaatctt	gcctcgatcg	tctcgatcag	acggtcggcg	660
ggtcatagac	tgggactggc	agagtacacc	catctcctgg	actgtgcgcg	gtctaccggg	720
gatgcgctga	tggccgacca	tatatggcat	gccatgcgtc	aggacgatgt	tatccccgac	780

gtgcagtgt	acaactacta	catggaatcc	aagggtttggg	atgggggccta	cactggccga	840
gagaagtatc	gtctgcgagt	aacgccgttc	gcttaccgta	agcggagctt	cggcaaacga	900
aacttgggat	ggaaaggcta	tgggactgcc	ggttgtagctg	tccgcaagga	aatcatgcct	960
atcttggcgcg	acatgacgga	agaacgcact	gcggggcgacc	agggtagctta	tgtgaatgtg	1020
atcttggcgt	cttccagcgt	gggatacata	tcaactatga	accacgtgtt	gaataacgtt	1080
gggaacatcg	acattgacgc	cctaccgccg	ctgggagctct	ccttaaacc	tcccctcctc	1140
ctaggaatac	catcgttctt	tcaccctctg	tatccaacta	attccccctc	cttggttcgcc	1200
tgtccccacc	cgccttttgg	gtttccgcaa	ccaactttcc	ctgcaccct	ttcgggtag	1260

<210> 7479

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7479

cttatactag	gaacctatct	aaatattact	tttactatat	ctaagcttgc	ttactttact	60
aagaatccta	gccctaatta	ctttattata	gtaaagtata	tattctacta	tctagcaggg	120
atactcttac	tcttattatt	ctatccttct	acacttagta	atcttaatag	ttttattaat	180
actaattag						189

<210> 7480

<211> 195

<212> DNA

<213> A.fumigatus

<400> 7480

gaggcaaacc	gtaccaagtt	ttctgatatg	cccattagga	tgtgcccgat	catgaaccaa	60
gattcggtcg	cttttatgga	cggctacaag	atggccgcgcg	tccagctctt	agactccttt	120
gccgcccaga	accgcaagt	gctcttcaca	atgtgcatcc	cggactcctc	caaacggcta	180
tgtctgccaa	gctag					195

<210> 7481

<211> 459

<212> DNA

<213> A.fumigatus

<400> 7481

tttcatatca	agatcaccca	cgtcaacatg	caattggcta	cattcttgc	ggtcgcgctc	60
ttgtcgatct	tccacatgac	cttggcagct	cccacctatc	accattacac	agtgactcct	120
gccaaccctg	ccctgacctg	gcatgtctcc	aacttttata	ccagctgctc	tcctgggggc	180
tgtgcctacc	ggttcgatat	tctcggcatc	gccactcgaa	acactcccgg	gttcaacact	240
acgtgcaacg	gcaccgacat	ggagacagac	tacaccttct	gcagagacaa	acatatcaaa	300
gctaaattga	cagctgtgaa	gtctcgttca	tgggaaggtcg	aagtcatgca	cgcttggttc	360
aaacctggag	ccgaattcta	tgccgagggt	tcggccaacg	tcacatcttc	catgcggaac	420
tttacaattc	ctgtgaacga	tacatacggt	gctgcttga			459

<210> 7482

<211> 477

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (73), (74), (75), (76), (85), (99), (125)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7482

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gacaggggtca gactctgctc cgtcagattc cgggcgctga acggcagtga taatggaagg      60
gggaggggggt ggnnnnattt gtatnattat tgttctttnt tttttttttt ttctttttat    120
ttttnttttt tttttttttt ttttcttttt ttctttacct ctcccttttt ctttctcttt    180
tttctctttt ttcttttctt tttctctctc tttctttttc ttttttcttt cttttctttc    240
ccttctcttc ccttttttct cctctttttt ctccctcttc ttttctctc tctctctctt    300
tctctttttt ttccctcttc tcttctcttc cttttttctt cttctttttc cctttttctt    360
tctctctctt cttttctttt ctctttcttc tttctctctt tttctctttt tcttctcttc    420
cctttttctt tcttctcttc cttctctctt tcttctcttt tcttctctt tccctc      477

```

<210> 7483

<211> 435

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (33), (34), (35), (36), (45), (59), (85)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7483

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acggcagtga taatggaagg gggaggggggt ggnnnnattt gtatnattat tgttctttnt      60
tttttttttt ttctttttat ttttnttttt tttttttttt ttttcttttt ttctttacct    120
ctcccttttt ctttctcttt tttctctttt ttctttcttt tttctctctc tttctttttc    180
ttttttcttt cttttctttc ccttctcttc ccttttttct cctctttttt ctccctcttc    240
ttttctcttc tctctctctt tctctttttt ttccctcttc tcttctcttc cttttttctt    300
cttctttttc cctttttctt tctctctctt ctttctcttt ctctttcttc tttctctctt    360
tttctctttt tcttctcttc cctttttctt tcttctcttt cttctctctt tcttctcttt    420
tccctttctt tccctc      435

```

<210> 7484

<211> 423

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20), (21), (22), (23), (32), (46), (72)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7484

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tggaaggggg aggggggtggn nnnatttgta tnattattgt tcttnttttt tttttttttc      60
tttttatttt tntttttttt tttttttttt tctttttttt cttacctctc cctttttctt    120
tctctttttt ctcttttttc ttttcttttt cctctctctt ctttttcttt tttctttctt    180
ttctttccct tcttctccct tttttctccc tctttttctc cctcttcttt tctctctctt    240
cctctttctt cctttttttc cctctctctt tcttctcttt ttttctcttt ctttttccct    300
ttttctttcc tcttctcttt tcttctcttc ctttctcttt ctctcttttt cttttttctt    360
tctctccctt ttttctcttc ttcttctctt ccttctcttc tctcttttcc ctttctcttc    420
cct      423

```

<210> 7485

<211> 792

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (353), (379), (393), (402), (403), (404), (405)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7485

gaggggaagg	aaagggaaaa	ggaaggaagg	aaggaagaga	agaaggaagg	aaaaagggag	60
gagaagaaaa	aaggaaaaag	agagaaagag	aaaggagaag	aagaaagagg	aagaggaaaag	120
aaaaagggaa	aaagaagaag	aaaaaaggag	aagaagagag	aggggaaaaa	aaggagaaaag	180
gaggagagag	gagaaaagaa	gaggagagaa	aagagggaga	aaaaagggag	aagaagggaa	240
agaaaagaaa	gaaaaaagaa	aaagaaagga	gaggaaaaag	aaaagaaaaa	agagaaaaag	300
aggaaagaaa	aagggagggg	taagaaaaaa	aagaaaaaaa	aaaaaaaaaa	anaaaaaata	360
aaaagaaaaa	aaaaaaaaana	agaacaata	atnatacaaa	tnnnnccacc	ccctccccct	420
tccattatca	ctgccgttca	gcgccgggaa	tctgacggag	cagagtctga	ccctgtctca	480
ttgggatatg	cggtcgagtt	catgcctctt	ggtgtgccaa	aagacgctcc	tatggagctg	540
tcaactgttc	gattcactgt	cctggatttg	gacggccacc	ccgttccgct	ggataccggt	600
gccatcacca	tcatcaatga	cttcaaggtt	aacatctaca	tggcgaagac	cgacttcgaa	660
gatacgtctc	cgaaccgcct	ctcgtggaaa	cagtgcctgt	gaaagcccaa	gtgcctgcgc	720
aagcttctgg	ttgaacgcac	ccggggattg	ttttcccgcc	gcaaaggcgc	gtattcttgg	780
aatgaggcct	ag					792

<210> 7486

<211> 246

<212> DNA

<213> A.fumigatus

<400> 7486

gatatcatgc	tcctatgcga	tagtaggatt	aaagttagtc	ctaatagatg	gactactaat	60
gagataggcc	tttgctggct	taaaaaatctc	tttattccta	ctacttctag	ttatataact	120
gggaaatatt	gccttctaata	tcttaatagc	catagcagcc	accttatgcc	tcaattcaat	180
caactctaca	gtaaaaataa	tgtgattcct	atctatatac	ctgcttattc	ttcccacaag	240
cttttaa						246

<210> 7487

<211> 1056

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (22), (940)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7487

acagggagca	gttctctcct	gnaagctggt	agtgacagta	tcatgatatg	ccatacgtat	60
gctgtccaag	tagcctcaat	ccagaaagtc	tgcgaggctg	tacagtcttg	tcagctatca	120
gcttcacgtc	tagaggaagc	ataccgccgc	gtggtcaagt	tgaagagcaa	gtttctaagc	180
tgggatacag	cgctcctaac	gcggagtctc	gatgatctgg	ttacgttgaa	caggaaagct	240
gccacactgg	caagcaacgc	ctattcgctt	tcagtcaccc	ttgtccgcag	tgatcctgac	300
gtcttgctc	tatcaaagtc	gggacacctt	gtactgctgt	ttccagggga	aagaaccct	360
gcaggagggtg	ctgttgacgg	ggagggttta	agaatgaaag	gcgcttacga	tgctacggtg	420
tttggcgagg	cgctgaaagc	tcacaatcaa	gcaactgttg	agcttacta	tggctctgca	480
ggactatcga	ctgagcaata	caagcttgct	gaagcggctg	atgctgttgt	tctcgtcacc	540
ttcaatgcac	gagagtcgcc	ctttcagaga	gagatgggcc	tgaagctcgc	tcagcacact	600
cgaaagctgg	ttaccatagc	cgcttgcaat	ccttacgact	ttttggacga	tgacagcatc	660
aagacgtata	taactaccta	cgagccgact	attgaggctt	tcacggccgc	ggcaaatatt	720
cttttcggtg	ccataatccc	aaagggtgcc	ctaccggttg	gatcaaagaa	tgctcgcgctc	780

agttctgtcc	atgtgtcgcc	gtttgaagcc	gcaagtgatc	tggttgaact	ggcggaagtc	840
tggaatactg	ccctgcccac	atatccactg	ccagcggaca	gtcttcacag	gtttttgact	900
caggccaacg	gacatcactt	cgttgctcga	ctagaatcan	agatcatcgg	cttctgcgtc	960
atgtatatga	caactaaccg	aggcacgacg	tgctgtcagc	tggtgtcct	cgcaatccac	1020
ccagctacca	acgccagggt	gtgggcacag	ccttga			1056

<210> 7488

<211> 726

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (702)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7488

tccccgtacc	agtctctcac	tctggctctg	caagaggaag	ctagactggc	aggacacgaa	60
tatcctctct	ttataggaat	tgaccaagag	aatggactgg	tcacccggat	atcaccacct	120
attgctgctc	agctaccggg	accaatggcc	ctgggagcca	cccattcgcc	agaattggcg	180
tatcaggttg	gccaggttac	tggtgagacg	ctgaggttct	tcgggatcaa	catgaattac	240
gccccagtc	gcgatatcaa	ttcagagccc	ttgaatccag	tcataggccc	ccggagcccc	300
ggagacgacc	cagaatttgt	tggtcggttt	gcaagcgctg	ctgcgcaagg	acttcgagaa	360
caaaagatca	tccccagtg	caagcatttc	cctggacacg	gagatactgc	ggtggactcc	420
cattacggtc	ttccagtgat	agaaaagacg	agagagcagc	tgagagagatg	cgagctgatc	480
cccttcctgc	gagctgtggc	agagggcgtt	gaggcagtg	tgacggcgca	tatctcctta	540
cctgccatcg	gtgacggcaa	actgcctgcc	acgctctccg	ctgatgtctt	gagcattctc	600
cgcaatgaga	tgcatgttga	agggatgatt	attacagact	gcctcgagat	ggaggggatt	660
caagccacgt	ccggtactga	acagggagca	gttctctcct	gnaagctggt	agtgacagta	720
tcatga						726

<210> 7489

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7489

cgcgacaaag	acttagtgga	gttttccgga	gcgtgtgacc	gagcctaaga	ctcgggtgtg	60
aaacgtcgag	cagccgctgt	cctctacaaa	accatgctac	ttcccagagca	tgctcaatac	120
gtgtgggtatg	tctcgattga	gagtggtgctg	catattggac	gaatgatcta	ttgctatggt	180
acatga						186

<210> 7490

<211> 297

<212> DNA

<213> A.fumigatus

<400> 7490

ctaaccacat	tattgcaatg	cttagaaaaa	gtcctcattc	tcactgtcga	cgcccgact	60
ttactaggga	cactcttgct	gacggatcaa	ttgacgaatc	ttgtcctgct	ggacacaatt	120
gaaaggatca	tccgaacccc	ggatgaccct	gagccgagct	cgcagatcga	acacggactc	180
tacttgattc	gaggcgacaa	tgtggttctg	tgcggtgaag	tcgatgaggc	gatcgataac	240
gatatcgact	ggtcgaaggt	gaaaggcgag	gttggttaagg	gcacgaaaaa	cgcatga	297

<210> 7491

<211> 378

<212> DNA

<213> A.fumigatus

<400> 7491

aattgttcta	gcaaaaaatag	aatctgcaag	ggaaatTTTT	gtccgtgggt	tagttctgaa	60
caagcacaac	aacccaattc	cgcttttcgt	attgagatgc	gacgcttaat	gtatcaccgc	120
tccgcgactg	tatctagtca	cgtgcgtgga	gcttggccta	gcttcgggtc	ggaaatctgt	180
ctcaaaacac	gtctactaaa	gggggagatt	gaaagtggct	acgaattgaa	tgagtataat	240
gtactagaaa	aatacctgca	ggaagatata	tcacaaaaaa	ctattcgact	gggatatcat	300
gtacaggatc	taacggctag	cgtgtatatt	gaccgcggat	catcggtatc	tcacatatgc	360
tcagaagcag	cgcagtaa					378

<210> 7492

<211> 1113

<212> DNA

<213> A.fumigatus

<400> 7492

aatttcgaca	ggagcaatag	gaaacacaga	ttgcccgttg	tcattcttga	aacacagacc	60
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aatattatca	aaaatacgac	gacctcctc	aattccgttg	ataatcgacg	caaagttgtc	180
atcagtcaac	accagttccg	aagcgtcttt	ggccacatcg	gaccccgatt	gtcccatagc	240
aattccaaca	tctgcccgt	tcaacgatgg	cgagtcattg	actccatcac	cagtcattgc	300
cgcaaaccga	ccccgacgat	gaagggcatc	aatcatccga	acctttgtgt	tgggagcgca	360
ccgagcaatc	acagcaggca	gagtaggcaa	cgcacgcatt	tcctcgtctg	tcaacttatc	420
aaactgactg	gcagtcatca	ccatggcgct	cgcaacatct	ttggcaagac	tgtccatggt	480
ggctggaatg	atgccaacct	gcgctgcaat	cgctcgcgca	gtaccggggt	ggcgcgccgt	540
gaccatgtga	accgaaatcc	cagcgcggtg	gcactcgtca	atagcgccgg	ccgtctcagg	600
tcggggaggg	tcatacagac	cgatgagtc	acagaaagtg	agatctttct	ccacttcctc	660
acgcgcaggg	acaacttccc	ctttgacggg	gttgtgattc	tcgccacagg	cgaggcagag	720
aactcgaggg	ccctcctttg	cgagagcttc	catgttctgc	aagatttctt	cctttatggt	780
ctcgtccaag	gcatcggggt	cggaaccagc	tgtccagggt	acgggtggtg	aagcctcgat	840
gacacgttcc	accgcgccct	tggatgaagat	catctcccga	tcattcattg	tgttcttaaa	900
gatgacagac	atctttttca	cagtagaatc	aatggatat	tcagcttttt	ggcgccaaac	960
aggcttctcg	ccttttggtc	agcgatcgcg	tccccagtta	aagcgcgagg	caaacacctg	1020
aatcgcaatg	tcggtcgggt	caccacgagc	ctgccattca	ttgtgctcgg	acctgtgcac	1080
atgggcaagg	tttgccatgg	cggccacggt	cag			1113

<210> 7493

<211> 1245

<212> DNA

<213> A.fumigatus

<400> 7493

ctgaacgtgg	ccgccatggc	aaaccttgcc	catgtgcaca	ggcccgagca	caatgaatgg	60
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ggacgcgatc	gctggaccaa	aggcgagaag	cctgtttggc	gccaaaaagc	tgaatatcca	180
tttgattcta	ctgtgaaaaa	gatgtctgtc	atctttaaga	acaccaatga	tgatcgggag	240
atgatcttca	ccaagggcgc	ggtggaacgt	gtcatcgagg	cttgcaccac	cgtcacctgg	300
acagctgggt	ccgaccgat	cgccttggac	gagaacataa	aggaggaaat	cttgcagaac	360
atggaagctc	tcgcaaagga	gggacctgca	gttctctgcc	tcgcctgtcg	ggagaatcac	420
aaccccgctc	aaggggaagt	tgtccctgcg	cgtgaggaag	tggagaaaga	tctcactttc	480
tgtggactca	tcggctctgt	tgaccctccc	cgacctgaga	cggccggcgc	tattgacgag	540
tgctaccgcg	ctgggatttc	ggttcacatg	gtcacgggcg	accacccggg	tactgcgcga	600
gcatgtgcag	cgcaggttgg	catcattcca	gccaaatgg	acagtcttgc	caaagatggt	660
gcggacgcca	tggatgatgac	tgccagtcag	tttgataagt	tgacagacga	ggaaatcgat	720

gcgttgcccta	ctctgcctgc	tgtgattgct	cgggtgcgctc	ccaacacaaa	ggttcggatg	780
attgatgccc	ttcatcgctg	gggtcgggtt	gcggaatga	ctggatgatg	agtcaatgac	840
tcgccatcgt	tgaagcgggc	agatgttgga	attgctatgg	gacaatcggg	gtccgatgtg	900
gccaaagacg	cttcggaact	ggtgttgact	gatgacaact	ttgcgtcgat	tatcaacgga	960
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gaaaacgtcg	gtctcgccct	cacgcttctg	ataggtctgt	gtttcaaaga	tgacaacggg	1080
caatctgtgt	ttcctattgc	tctgtcgaa	attctatgga	tcacatgat	cacctccggg	1140
ctccccgaca	tgggactggg	tatggagatc	gcggctccgg	atatcatgga	ccgtcctcct	1200
caaagcgtaa	gtacatcagt	cactctttct	gggatcatat	actaa		1245

<210> 7494

<211> 237

<212> DNA

<213> A.fumigatus

<400> 7494

aatcccagtc	tcagtcttac	ctatgccacc	gttcttaca	tatgcaactt	cggcccgttg	60
ccctgttgca	gcacaatgaa	tcattcccaa	acgccagatc	tcactgcagg	tccggagggc	120
tactgcgcc	tgaatgtcgc	gcctgtgatt	tccaagttac	ccagcattca	ggatcccccg	180
gagtttgaag	tttattggga	acgcaatgac	ccagagaatc	ctcgtctgtg	gtcactt	237

<210> 7495

<211> 891

<212> DNA

<213> A.fumigatus

<400> 7495

caagccatct	tgggttctcc	catcattgcc	tctcttatcg	caactatgtc	acctccaagt	60
cttaccgtca	cccatatcac	cacagcaact	gctgttctga	acatcgatgg	cataaacttt	120
ctgacggatc	ctttttttgg	gtccatcaag	gggaccgaat	atgacaccac	gcccgtttgg	180
gagaaaatgg	atctgaaagc	atttggcttt	gacagtattc	caccaccgcc	gcacttggtc	240
aacaaacaag	gtcccgcctt	ccagcttcat	gatctgccac	caattgatgc	agtccttcta	300
agccatgaag	atcacctcga	caatctggat	ccagaaggcc	gcaagctgct	tgatggccgc	360
agagttttca	ctactatgga	tgggtcatct	aatctacgcc	cccgccctgg	agttgttggt	420
ctgcgcccc	ggcaaaccgt	gactgccacc	atcggcgga	aggtctttcg	aattactggg	480
acgccttgca	agcacttccc	tgtcggagag	gttactgggt	ttattttgga	gaccgattcc	540
tttggggctg	atgctactgg	aaagccta	gcgatttatt	tttccggtga	cacgggtgat	600
atcgatgagc	tgcgagagat	tggaaagaag	tggcatatct	ctgctgctat	tctcaacttg	660
ggcaacgcca	ccttcgactt	cccaacgggg	cctatccaga	ttacgatgga	tggaaaacag	720
gcggtccaac	tcacccgcga	tattggggca	gacgtcatga	ttccaattca	ttttgaatct	780
tgggcccatt	tcaactgagga	tgcagaagat	ttggtgaagg	ttttactga	agagagattt	840
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<210> 7496

<211> 255

<212> DNA

<213> A.fumigatus

<400> 7496

gtgagcatcg	gggagaatcg	gcagtatggc	agcttcacca	aggaatgtta	tccttgatg	60
ctgtacgaag	tatgcagcat	aggcgcatgc	ttcaagcact	ggcagggaat	aattacagag	120
atggattacg	taacagtgc	tatgcaacca	cagctccctg	gtgatcagct	gccgggaaat	180
gaggctgagg	gtgaggctgc	ctgcaggacg	ctactgctta	tttctccat	tttcaacatc	240
gtcagtgtca	attga					255

<210> 7497

<211> 333
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (88), (329)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7497
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 ctattgggtc tcccatgtct caacgtanct ttgggcgggg acatgcaggg ccaaggaatg 120
 caaaacaagg acaaagtccc taatggacac gtactaaata ggaggctttg gagatccgta 180
 ctgccatccg atgccaacag cgaattgcat cctatcactc gcatgatcac tgggaggacc 240
 cagtatgcgt ctctgtgttc gaggtggtct aatctgaacg agcttgcaac ggccttcggc 300
 tggaggagggt tgtatagggc ggtgggtanc tag 333

<210> 7498
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 7498
 ccatcaagaa agcctataat taatatgcct ctgatggaca gattcctcgt gcctctccct 60
 gactattgga ataaactggc aaagaaacca gatgcaggct acacgcagga gccgacagac 120
 atctcgaccg ctgtcctcaa ggatctatgg cgttccctac ttgaagaaca gaatgatgaa 180
 gctgaagcat atcaaagcct gccacaacgc tttggctgcg agaagtcgaa tcgaacccta 240
 cgggcgaatg gctgcaggtg a 261

<210> 7499
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 7499
 aaagtgaac ggaactgtca gacatggatt gtagaatccg cagatgaatg gctgatagcc 60
 acaaagtcgg caaaaatcca gataagtcag cttcttgcta agagaagggtg ctcaccagag 120
 caattcaagg agatcttctc cctttccctg attaattgta atatgatgcc gaccctagtc 180
 tctggaccga cttataatcc tggtagcgcc attcttcagg cgggaggact tctaaaagca 240
 atcggagatg gtctcgcgct caaggatatc cctctccaga tcgaagaagt gattgatgat 300
 cccgtcgagg cgcagtcgac cgcttctggc gtttcctga 339

<210> 7500
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 7500
 gctatgctaa gcagagcagg ttctactttg ttgagtttaa tgtcaccgac cacttggatg 60
 caaggcctcc tcaacggcgc tccctatctc tgctcgccg tcatcgaatg ctggaccact 120
 gcacccctga atcgctgggt tggtcgcccg ggatgcattt tcatctcctg ctttatctcc 180
 tttgcctcgt cgttctggat ggcggccgcg catacctggt ggaatttggt gcttggccgt 240
 ttctctctcg gttttgccgt gggcgccaaa tccacaacca cccctgtgta tgggtgcggag 300
 tgctcgccg ctaatatccg cgggtgccttg gtcatgatgt ggcagatgtg gacggcattt 360
 ggtattatgc tgggatatat tgccctctgt gcgtttatgg atgtgacgca tcccacaatc 420
 ccgggcttca actggcgatt gatgctgggg tcgaccgcga tcccgtaa 468

<210> 7501
 <211> 237
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (217)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7501
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 gacacccgta tggcacttat cacttctctc ggggtcggca tcaccaactg gatctttgcc 120
 ctgcccgcgc tatacacaat tgacacctt ggacgacgaa atctgctatt gaccacattc 180
 cccccgacct gtatattctt ctttattagc cggcggngat cgacgatcga tgggtaa 237

<210> 7502
 <211> 666
 <212> DNA
 <213> A.fumigatus

<400> 7502
 aaggcgacct cgacttcccc cgtctcttcc ccagatctct cccagaattc ttcccaactc 60
 tctgcatttt tcttcggttg cctatatctt gcaaggcata tctacttcct cctaaatttc 120
 tactgcttgt ctgccaccat ggtggagaag agttccgac cagagggttc aagtctctct 180
 caccatgagt cttctatatc tattgagaag caaggagatg cagctactgc tcgagagtgg 240
 gctcaggatg tgaacagcac cagcaccaac actaaactca agaatcctct tgccgggttg 300
 actcgagaac agctcctgaa tgacgtcgag gctttcgcga aggagaaaaga tctcgagcat 360
 atcctcgacg atctgcgcaa aggagctctt gtcgcacagg acccaagaga attcgagcag 420
 atggacgcgc tgacagagag tgagaaaagaa cttcttcgaa gagagaagac gcacgatgg 480
 agtcagccgt ttatgatgta ttttatgacc agtgagtctt ctcggtatcc tcctactgaa 540
 tttgatttta acccagcctg tcagtcctct gtgctgggat ctgctatcgt gcaggaaatg 600
 gttcagactg ctgtcacggt tgcgcaggag tatgtactct accattactc atctgagcta 660
 tgctaa 666

<210> 7503
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 7503
 caatcctgga tcagtccttt ctttgtctgc atccaagtct acttttgtcc cgagtcgcgc 60
 aggtggtata tgatgcgcaa ccgctaccac gacgcgtaca aggcgcttg taaattccgc 120
 ccgtctacgt tccaagccgc gagagacttg tactatattc atgccgcatt aaaggtggag 180
 gagaagctcc gcgagggcaa gcatttggtc cgcgagatgt tcactatccc acgcaaccga 240
 cgtgcggcgc aatcgtcttt ctttgttatg ttcatgcagc aggcaagtca atctcttcac 300
 atctga 306

<210> 7504
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 7504
 cacattggta ccagcaatgc aagggaactac ttacgggatc gcggtcgacc ccagcatcaa 60

tcgccagt	tg	aagccccgga	ttgtgggatg	cgtcacatcc	ataaacgcaa	cagaggcaat	120
atatcccagc	ata	ataatacca	atgccgtcca	catctgccac	atcatgacca	aggcaccg	180
gatattagcc	ggcgagcact	ccgcaccata	cacaggggtg	gttgtggatt	tggcgccac		240
ggcaaaaccg	agaaggaaac	ggccaagcaa	caaattccac	caggtatg	cgcccgccat		300
ccagaacgac	gaggcaaagg	agataaagca	ggagatgaaa	atgcatccgc	ggcgacccaa		360
ccagcgattc	aggggtgcag	tggtccagca	ttcgatgacg	gccgagcaga	gatagggagc		420
gccgttgagg	aggccttgca	tccaagtgg	cggtga				456

<210> 7505

<211> 1293

<212> DNA

<213> A.fumigatus

<400> 7505

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ttaatcgagt	tatcgaggtc	ggtactcctt	ggacttcaga	gtgtagaacc	ccgaatctta	180
agttcagcgt	tggcgacgaa	cgattttaaga	gaaatcaacc	ggactttgaa	cgaattaacc	240
gaaacagttt	ttgagaaacc	gagtccttcg	caatgcgagg	gtgccaatct	ctgctatgcc	300
tcgacttcca	actctgcgaa	tgagttattg	tttgacttaa	tcgtgtttac	ttcccttatg	360
tcaccgttgg	gcgagatggg	ttctgaagtc	agcaacccca	ctagaaccag	cagtttgaca	420
aattttttac	tgaaggcaaa	atcatcgatc	ccgaaaaaca	attgtagctt	ctccgaattc	480
aagccatggg	attcacgagt	cgaacttcg	ttagttgtac	tcccaaaacg	tggccccact	540
tcgagacacg	actggaggac	gggtatagca	gagactctga	cgctcagttt	gcgcatgacc	600
cataacaatc	taattcagaa	aatggaggaa	gtctgcttcg	acctcgaaca	gcgttgccact	660
acaattgaag	caccactccg	agcagttgaa	gatgagcgtg	atcagattgc	tgtgcaggct	720
gaacaactta	agcaacagaa	aagcgagctg	gaactgcaac	tacaacaagc	ttcgagcaca	780
atatctgagc	tgcagcaaga	aatcttccat	ctggaaaatc	atgctcggtc	aacttctgcc	840
cgcggttgagg	aattatcaac	aagcctcgat	actgcgcgaa	gggagttgga	agatcagcgt	900
cgcacctccc	aggaaaccac	caacagtga	agggaaaaag	ctcgaacaag	ggaactagac	960
cttcttgctt	caatcacaga	aaaagatgat	cagatcgaag	agcttcagga	ggaaacacgg	1020
aacttgccgg	aagataataa	cgcttgccgc	caaatactgg	atactgtctc	gaaggagaaa	1080
aacacttctt	tggagcacac	agctgccctc	aaacaggacg	tagtaaggct	ggagcaatgt	1140
gttgaacacg	gcaagctcct	ccttgccacag	agggatgaag	aaatgagtag	acttcaggca	1200
gatcaaggac	acatgaagtc	gcagatggaa	gccttaca	agaaggtaga	aaagtttcta	1260
acgtctcctg	cagtaaggaa	tactttgtgc	tga			1293

<210> 7506

<211> 264

<212> DNA

<213> A.fumigatus

<400> 7506

ggcttccatc	tgcgacttca	tgtgtccttg	atctgcctga	agtctactca	tttcttcctc	60
cctctgtgca	aggaggagct	tgccgtgttc	aacacattgc	tccagcctta	ctacgtcctg	120
tttgagggca	gctgtgtgct	ccaaagaagt	gtttttctcc	ttcgagacag	tatccagtat	180
ttggcgcaag	gcgttattat	cttcccgcaa	gttccgtgtt	tctctctgaa	gctcttcgat	240
ctgatcatct	ttttctgtga	ttga				264

<210> 7507

<211> 810

<212> DNA

<213> A.fumigatus

<400> 7507

agaaggacct	ccccacaatc	accaccacct	gtctctctctc	taccacacct	ccacctccat	60
------------	------------	------------	-------------	------------	------------	----

caccagcaac	agatgacact	acccccaaagc	ccccatcatc	cccaactttc	tccacaactc	120
tctccccaat	tcccttcacc	gccgcacctc	gcctcccccc	tccccccagt	catccccgc	180
accccgccct	cccgcgcccg	cagcgctcgac	cgcgctata	cgcaagacct	tcacatccgc	240
tcccgagcc	ccaagacctt	cccgccacgc	ccggaagaac	gcagctaccc	cagcaccgac	300
acctctgacc	cagccaacaa	cctggggacc	ttccgcagca	acccgcgcac	cagccgcac	360
ggcgaccagg	aactgccgtg	gaaactcaca	ctgccgagcg	actcagacga	ggagcgcgct	420
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caaaggcgcg	ggcaagggca	aggacaagga	caagtgcaga	gccagcgcca	tccgcaccgc	660
ggcgaggcaa	gagcgatcaa	tcccgcagat	gcaccgggtg	aattgccggt	gcagcgagat	720
gacgactcgg	gcgaggagat	caccatgtcg	agtacggcgt	atcccgggca	ggaatggagg	780
ccgttgggggt	tctcggggtg	ggaatactag				810

<210> 7508

<211> 738

<212> DNA

<213> A.fumigatus

<400> 7508

cactaccccc	aagcccccat	catccccaac	tttctccaca	actctctccc	caattccctt	60
caccgcgcga	cctcgccctc	cccctccccc	cagtcatccc	ccgcaccccc	ccctcccgcg	120
gccgcagcgt	cgaccgcgcc	tatacgcaag	accttcacat	ccgctcccg	agccccaga	180
ccttcccgcc	acgcccggaa	gaacgcagct	acccagcac	cgacacctct	gaccagcca	240
acaacctggg	gaccttccgc	agcaacccgc	gcaccagccg	catcgggcac	caggaactgc	300
cgtggaaact	cacactgccg	agcgactcag	acgaggagcg	cgctgccgac	gccggcacga	360
ccgccaccgc	acgcgagcgt	gagggaagtt	ggctggagag	taccacgcag	caactcctgc	420
agtcgtcgcg	gctgccgacc	tacgaggagg	actcggaggt	gcacgggcag	ccgcctcgat	480
ttgttgttgc	ggatgagaag	gctgcaggtg	atgagcctgg	ggaccaaagg	cgcgggcaag	540
ggcaaggaca	aggacaagtg	cagagccagc	gccatccgca	ccgcggcgag	gcaagagcga	600
tcaatcccga	cgatgcaccg	gtggaattgc	cggtgcagcg	agatgacgac	tcgggcgagg	660
agatcaccat	gtcgagtacg	gcgtatcccc	ggcaggaatg	gaggccgttg	gggttctcgg	720
ggtgggaata	ctagatag					738

<210> 7509

<211> 675

<212> DNA

<213> A.fumigatus

<400> 7509

gacagcaagc	cctcggggca	ggcggagctg	gtccttatcg	accacggcct	ctacatccac	60
atggacccca	acttcgggca	ccagtacgcg	cgcttctgga	aggctctgct	ggccttcgac	120
aacagtaccc	tcagcgagat	cgccgagggc	tggggcatcc	gcaactcaga	catgttcgcc	180
tccttcacga	tgatgcggcc	ctacagcggc	ggcgacctct	ccacgcgcca	gcctctggag	240
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gccatccgcg	agatccctgc	tgacgagcac	aagtggccgc	aggaaactcat	cttcacggc	360
cgcaacctgc	gcctcgtcca	gggggaacaac	cagttcctcg	gctcgccggt	caaccgtgtc	420
aagatcacgg	gcctgtgggc	gtcccgcgcg	ctcgttgagt	cgcccgatct	gccttggtcc	480
gagaaacttg	cgaacctcgg	ccggcatctc	ctcttcgcgc	tcgtgctctt	cagcagcgat	540
ctcttcttct	actttaccaa	ggtgcggcag	ctcctgcac	tgggcggcgg	catggaggat	600
gatatcgaga	agcagatgaa	ggatatggcc	aaggatatgg	gggttgattt	gaaccagagc	660
attttcgagg	gctag					675

<210> 7510

<211> 426

<212> DNA

<213> *A.fumigatus*

<400> 7510

tgccggcccta	cagcggcgcc	gacctctcca	cgcgccagca	tctggagggg	ctcagcaagg	60
tcgagcgcg	ccagcgccac	tacgagatgc	aacaggccgc	ccgcaaggcc	atccgcgaga	120
tcctcgctga	cgagcacaag	tggccgcagg	aactcatctt	catcgccgc	aacctgcgca	180
tcgtccagg	gaacaaccag	ttcctcggt	cgcgggtcaa	ccgtgtcaag	atcacgggca	240
tgtggcgctc	ccgcgcgctc	gttgagtcgc	ccgatctgcc	ctgggtccgag	aaacttgcca	300
acctcgccg	gcctctctc	ttccgcgtcg	tgctcttcag	cagcgatctc	ttcttctact	360
ttaccaaggt	gcggcagctc	ctgcctctgg	gcggcgccat	ggaggatgat	atcgagaagc	420
agatga						426

<210> 7511

<211> 1020

<212> DNA

<213> *A.fumigatus*

<400> 7511

cccgtcgtcc	tagttcgcca	actgcttgac	cttttttagtg	agattccgaa	taccctcgat	60
atccaagtcg	ccgtcatcaa	gtcctgcctc	gactgggccc	tctcagaacg	acggtccttc	120
ctccgacaga	acctcgaaac	ccgactgggtg	gctatataca	tgcagaagca	atcttactat	180
gatgccctta	ccctcatcaa	ttctctccta	cgtgagctga	agcgcatgga	tgacaaactc	240
atgttggttg	aggtgcagct	gttagagtca	agggtgtatc	atgcgctcgg	taaccaagcc	300
aaggcacgcg	ccgccttgac	cgctgctcgt	acatcgcccg	cttcgggtta	cacacctccg	360
catcttcagg	ctgggctgga	catgcaaagc	ggtatgctac	atgcagagga	caaagacttc	420
actacggcat	tttctactt	cattgaggca	ctcgagggat	acagctcgct	tgatgagagt	480
gacttgga	cgccgcctct	tcagtatatg	ctgctgtgta	agatcatgct	gaacctgggtg	540
gatgatgtca	ccaatttact	gggttctaag	caagcacaga	agtacgccag	cccacgactt	600
gaggccatga	aggccgtggc	tcgtgctcat	gccaatcgct	ctctcgaaga	atacgagaag	660
gctctttcag	actataggtg	cgaacttgga	agcgatgttt	tcattccgta	ccatctccgg	720
agactgtacg	acgccatgct	ggaacagaat	ctcatcaagg	tcattgagcc	ctttagccgg	780
gttgagctag	accatatcgc	gaagatgggt	ggcctggata	cacagcaggt	ggagaggaag	840
ctttctcaga	tgatcctgga	taaggtaatc	gtcggggctc	tggtatcaagg	tgctggctgc	900
ctgatcgtct	atgacgagac	ggagcgtgac	caggccctatg	atgcagccct	ggaaacaatt	960
gagaagctta	gcaatgtggt	ggagggactg	tacactaacc	aggcatcact	gctggagtga	1020

<210> 7512

<211> 339

<212> DNA

<213> *A.fumigatus*

<400> 7512

agactacgag	ggcttagact	ccaatatcag	aaaataaacac	tcgggtcaa	actcattcac	60
tcttattcgg	atacccttag	cttgagctac	aacggcggtg	cacagggtat	aggcaaagtc	120
acctatactg	tatacaatgc	ggctgggttac	tcttccacca	aacagttgtc	tcagctaaaa	180
accaccacgc	tatatggtac	tgtcatgatg	ccactgcgtg	ggacttggtc	ataccctgct	240
aacacctgtg	gtgttggtac	tggccacccc	atatctgcct	tgatattgaa	gataaagaat	300
cctccatgtg	cttataggtc	caacaccaac	ctttattga			339

<210> 7513

<211> 270

<212> DNA

<213> *A.fumigatus*

<400> 7513

agtcattgg	tacctaaa	tgacattgct	gtgattgatt	tcacattccg	cctcaacagc	60
-----------	----------	------------	------------	------------	------------	----

atgttcaccc	acgggatccc	cgtcattaag	cctggacaca	atatctttcc	ccagtggcgg	120
tgcgctcgg	atgatgggat	caccatcttc	atcgacttca	taatcgccat	tcgacgtgta	180
aatcatctcc	acctcgtcac	tcgcatttat	catattcctt	ccaactgcat	cgtccggcgt	240
tctcatccgg	tcagtgtcgt	taacttttga				270

<210> 7514

<211> 696

<212> DNA

<213> A.fumigatus

<400> 7514

cctttctcgg	gatgtttcat	cgccctcgagc	cgcccaggaa	tccgtgcgcc	cttggcggat	60
gttctccaaa	gctcacagtc	cagcgacttg	agcgatttta	gcagacctga	cgaattctcg	120
gatcatgacg	aggagaacga	tccaatcatt	cactctttcg	gtcctttcgg	cgacaacctc	180
cttccccgca	tggcatcttt	ctccgcagat	gaatcacccc	tgcgaggccc	acgcacctcc	240
cgcccccttc	agcctactca	ttctcccaaa	cagccaaagc	agccttctga	ggaagatagc	300
tcggaacgca	agtcaggact	gactgacgag	acctatgaga	gaatccagaa	ccatgcggcg	360
aatcaactgg	ccttctcccc	cctgtcttcg	actccattct	cgactatact	gaataatctt	420
cctccgggct	tgtggaagcg	ggatgaccgg	tcaaaacaag	ggccttcgag	cgaggagatt	480
cgcgctatcc	tagagtccac	aaaatgtatt	ggcaagggtg	cgcgcggaag	aaaagatgcc	540
gccggcaaac	cacttgaaag	tgaatactac	tatatacctg	acttcgacga	tgatgacatg	600
cgacgtgaag	cagttgtgaa	tgacctcaga	aagccgggtc	ttcgcaactg	ccgaaagcaa	660
cacaaggtat	gctttagggtc	tctgaccgat	cgttag			696

<210> 7515

<211> 198

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7515

tattgggacn	ttaatccctg	ttggaagtgg	ccatgctccc	tggtcacaaa	acttgggaagg	60
cctggcttct	ttgggctaaa	cttcttcggg	gctggcatcc	ctgatatact	caagtctcaa	120
aactttcaac	cccaatacgg	ctccaccgga	tcatatctat	cggaggccaa	atggtcaggg	180
aatctgcaaa	cgggtggcc					198

<210> 7516

<211> 909

<212> DNA

<213> A.fumigatus

<400> 7516

tacatggacc	caacttacaa	atataattct	gctcagggtcc	tgatctgggc	tgggttcatgc	60
atgtttgaca	accgaaatat	cttcgatttc	aaggcgggtg	acaacatcga	tgatcgacct	120
catctctcgt	ttatcctgca	gcattgcgtat	cacgatgatg	gcagtgaana	gggactggga	180
tatgtccttg	atgagcatta	cgagccagaa	tatgcagttg	gggtgacaaa	cgatctttca	240
gcattcaata	tgcatgaatt	caacatcctc	gacggcggaa	agacagccct	agcttgccct	300
taccggcctg	aatacatgga	ccttggagat	ttggggcgct	ccgatgaaca	tggctgggtc	360
atgactgggtg	gtttcgtgga	attggatgta	gctaccgggg	ctgtactcta	tgaatggagc	420
tcggctcggc	acatccctat	taatgagctc	gtgcaagtca	atccctggga	ttcgccatct	480
gccagcctg	gctgggatta	tgtccatgtc	aacgccgtgg	ataagaacgc	ggccgggtgac	540
tatatcctgt	ccgcacgggt	tacaaacacc	atctacctca	tatctggaca	agatgggcac	600

attatctgga	gacttggggg	gaaattttca	gactttgtgc	aggattttcac	attctctaag	660
cagcaccatg	tccggtttgt	cgattcaa	gaaacgcata	caactatctc	attcttgaac	720
aatgcttctg	atgaaggagg	acaagacgaa	gatcattccg	ctgctctctt	tgtggagggtg	780
gataccagtg	catccccaat	gacagcacgg	ttgctcgacc	gttacgaccg	cccggatgga	840
ggtctcacac	gactccgtgg	tagcggttcag	cgcttgtctt	caccacaccg	ggccggaagg	900
acacgcgct						909

<210> 7517

<211> 372

<212> DNA

<213> A.fumigatus

<400> 7517

tccctcactc	cctacatcga	tctattccaa	ggaaacatcg	agcaatcaca	gcttacttcc	60
catgttgaca	tgtacggcct	tgatccgact	ataggtcgcc	agaccagctt	caccaagctc	120
ccgcccgaatg	ccgctctgct	tgacaccccc	aaatggcact	cgaggatcac	agtcttggct	180
actattgatc	cagaccattc	ccgaatcaat	ctctgcagca	acctatgcg	ctcgttccag	240
gtctcttgta	aacacggctg	cccccaaggcc	atagatggta	tcgttggccc	gacggatggc	300
ttcttcttcc	gttgcgaaatg	gctcgataat	caccacgggg	ccaaagacct	cctccgcac	360
gatagccatt	ga					372

<210> 7518

<211> 357

<212> DNA

<213> A.fumigatus

<400> 7518

aaattcatcc	gactgcttgc	ggttgacttc	tacacacggc	atacaaacat	cggctcaatg	60
gcctggaacc	gtcccggtgc	ctcggtggatc	atattcttcg	tgtttctcgt	ggatgaaact	120
cccccatggt	tcgcagccca	tgaccgccaa	gaccaggacc	tcgaggctcc	ccgctggctc	180
tacaatgacg	acatgcacga	gagcgatatc	gatatcacag	ccctacacga	ggatattccc	240
cgcaccgatg	cttgtgcaat	tccgttgcgt	gacatcggag	gcaaaaattc	atgccgatcc	300
cgatgtcttg	gcactggagg	atacaaagaa	gcggacttgt	tactgttttt	gggctga	357

<210> 7519

<211> 828

<212> DNA

<213> A.fumigatus

<400> 7519

gacatttcac	catccctcgt	gttttcggca	tatactaata	aaaacaacca	gatccgcgtc	60
taccgctact	tcttccaata	tggctacctc	acgacccccg	ctgttgagca	accgccaaaa	120
cccagcagcg	acatccctaaa	accgaaaagc	atcctcacc	gcgctccgat	catggaaatc	180
gacgtgaaca	tgacacaagtc	caactcgacg	tacttctccg	acctggacgt	atcccgaaca	240
gccctcgtga	attccctggt	gatgaagggc	tccgcattcc	ttgagaaacg	cctccagaag	300
caggggaagc	gcggcctcct	tcacttcggt	ctcggtggcg	tctacacgag	cttcaagcgc	360
gagattccgg	cgtacatgaa	atacgagggt	cagtcgcata	tcgcctcgta	tgatgagaag	420
tggatctaca	tcgtgacct	tttcttgacg	ccgcgcacgg	ggaagaaggc	gtcggccgag	480
acggacgagg	atcggaggaa	gaggctgctt	gccgtgtcga	ttagcaagta	tgtgctcaag	540
aaggggcggg	atactgttcc	tcccaatgat	gcgtttgagg	cggctgggta	taggcggttg	600
cgagctcctg	cggcgaatgg	cagtcgcaat	ggtgcgcgca	atgagaatgg	atcgctcact	660
cagcgcaagg	agtccaagtc	cgccataact	tgggatgaca	acagtgagtg	ggagcaattg	720
cagaaggaga	ttcgcaaagg	gaaggaaatg	gttcaaccat	ttgtcgacca	ggaggagaag	780
ctgttggatg	attacatgga	gaagatgaaa	ctccctgcgt	ttgcatag		828

<210> 7520

<211> 186
 <212> DNA
 <213> A.fumigatus

<400> 7520
 ctttatttgt gttggtgttt cctccaatta gaaaacaacc taaatgcgtc ctttgtaaaa 60
 ggaattaatg cggcccaatc ctccattctc ttcttccgtc actcaagagg tttcattgaa 120
 tacggacagg ataaatatac tagtgtcaaa cgatcgagga ctgcatacag tgcgaaatcat 180
 tggtga 186

<210> 7521
 <211> 396
 <212> DNA
 <213> A.fumigatus

<400> 7521
 ttccccgaag gagacaggaa cagagatgga tattttgtcc ggctactgt tttcacaggt 60
 accacagact caatggctat cgtgcgggag gaggtctttg gccccgtggt gattatcgag 120
 ccattcgcaa cggaagaaga agccatccgt cgggccaacg ataccatcta tggccttggg 180
 gcagccgtgt ttacaagaga cctggaacga gcgcataagg ttgctgcaga gattgattcg 240
 ggaatggctt ggatcaatag tagccaagac tgtgatcctc gagtgccatt tgggggtgtc 300
 aagcagagcg gcattgggcg ggagcttggg gaagctgggc tggcagccta tagtcggatc 360
 aaggccgtac atgtcaacat gggaaagtaag ctgtga 396

<210> 7522
 <211> 1251
 <212> DNA
 <213> A.fumigatus

<400> 7522
 tcatggatac gaatcaatat ggccacaacg tcttcatctg cgactggtct ggggtgggtgt 60
 gacgtcttgc aatggcagca tgagggccgg ccagccaaaa ggcgcaaagg gatctcgatg 120
 acaagcacgt gccagccatc gctcagagag attggaatta tgagagagac agaacgggat 180
 gattcggcaa catttctggg aagtccagc ggtattcatt ttatccgcac agtctacagc 240
 gcattcgcaa agcgttcggc ggtcttacag gaagcgcgag tcaggaacca gagcttagtg 300
 cctggcgaaag acgatcagtt acaaagaagc cctggcaagt ctacacgggtt ggatgagctc 360
 tgcctgaaac atgagttatc tcttcaagcc cctgattctg tgtcatttga gagcctcgtg 420
 ggatggtcac ggagctactt tgagtattgg catcccatct tcccgttcct acatgcaccg 480
 accgtgctga aagccatgga aagggtcggg gagagcggaa tcgggtcgtt ggaccgtatt 540
 aatctagcaa tattacgctc tatactttct atatcggtgg ttgataaccg ccaggtgcag 600
 aactctggta tgacagcgga cccgattcct tctgtactgg tgtatcgaa cgtgcaagag 660
 gcgatggaaa gcatccatgc tttgctcctg gagccctcca cgcttccatt gttgcaggca 720
 gtattcagcg tccagctagt actgacgtct gtattacgtc tcaatacagc ttccagggtc 780
 gggggactga ttagtcgaac tgcgtttcat ctaggctctc atcgtctgtc tgcacgggtc 840
 tcgtgtttca gccgtgaaga tgcagatata cgccgtcgtc ttttctgggtc aatttattgt 900
 ctggaaagat atttgtccca agctctcgga acaccgccta gtatacagga tgacgacatc 960
 gacgtctgct atccagacaa tgaaaggcat ggagaaatcg gaaagggtgcc gcgggccaag 1020
 ggccctcaca gccacttgcg attgcttacc catctcgcca agtttgcgag acttaggggt 1080
 ctgatactgg agcttcgcaa caaatccatc ctgcacagtc ataataacac cctcgcggcc 1140
 acgtatgtct acggtgaact ggcgcaatgg tggaatgagg tctatgacaa attttatccc 1200
 atgggaaaac caccttcaag gttccgtccc aatttgaac cgtggctgtg a 1251

<210> 7523
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 7523
 aggtggtttt cccatgggat aaaatttgtc atagacctca ttccaccatt gcgccagttc 60
 accgtagaca tacgtggccg cgagggtgtt attatgactg tgcaggatgg atttgttgcg 120
 aagctccagt atcagacccc taagtctcgc aaacttggcg agatgggtaa gcaatcgcaa 180
 gtggctgtga gggcccttcg cccgcggcac ctttccgatt tctccatgcc ttctattgtc 240
 tggatagcag acgtcgtatg cgtcatcctg tatactaggc ggtgttccga gagcttggga 300
 caaatatctt tccagacaat aaattga 327

<210> 7524
 <211> 807
 <212> DNA
 <213> A.fumigatus

<400> 7524
 gacgtgaccc ctgattcctt ctccgacggc ggcaagcatt tctcgcagga cctctccgcc 60
 ctcaccgaga ccgtccgcca tctcatcgca gccggcgcaa ccatcatcga cgtcggcgga 120
 gagagtaccc gccaggttc agccccagtc ggtgaagccg aggagctagc ccgagtcac 180
 ccggttaatac gacacatccg cacctccatc ccgaagcca acaacattgc catcagcatc 240
 gacacctacc gcgccaaagt agccgaggag gcctgcgctg ccggcgcgaga catcatcaac 300
 gatattctcg ccggcacccct cgaccgggaa atgctcccca ccatggcccc caccggcaaa 360
 gccgtcatcc taatgcacat gcgcggcacc cccgccacaa tgaccaagtt aacagactac 420
 cccaacggca tcgtccagga cgtcggcgcc gagtccgtg cgcgcgctgc cgctgcagaa 480
 gcagccggca tccgcgctg gcgcacatc ctcgacctg gtctcggtt cgccaagaat 540
 atgcctcatg atctggccat cctgcgcgat ctgcagcagt tccgcaccgg tatcgaaggg 600
 ctagagtact tgccctgggt gatggggccg agtcggaaga gattcattgg tccgctgacg 660
 ggcgtggaga aggcgagtga gcgcacttgg ggcaccggcg cgactgtcac ggctagtatt 720
 gctggtggag cggacattgt gcgtgtgcac gatgtcaggg agatgtggca ggttgccaag 780
 gtggcggtat ctatataccg tgtataa 807

<210> 7525
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 7525
 agcacagagg aggaacttga gcgcaccaga tcccgattcg gcaaccagaa ggggtatttcg 60
 tcagacgagt tcttcggacg ggatcgcttc gacctaatg cacaggccga agctaaagag 120
 cgactccgcc agttcgacgg gggctaccgc cattttcgag tcacgtttat tttgtttctt 180
 cgggaggatg atttcgcgac cggatgatgac acttacggtg actttgagag tgcagccaag 240
 gattttcttt gccgttttcg tatcacggcc ggtgatgatt ttgaaaagct gacacagctt 300
 gtaggtgaag gtgccgtcaa attgcagggt acgtaccgct attctgttgt cgaccataac 360
 ctttga 366

<210> 7526
 <211> 600
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (503)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7526
 caaggacgtc aaggtcaaat acacctgcaa cgctgctgtc aagtacaagg aggagttgaa 60

aagacgggct	gcgcaggatg	ctcaacagtt	cgtcatccag	tgattctcga	ctctatcaca	120
cacacaaatg	ctgatttggt	tttattcaga	taccccagag	aggctgtggt	tacagacatt	180
cccgtcggca	ctgcttcgga	cggatcgagt	acccctgctg	gtgacgcgga	tgacgatttc	240
ttctcctcat	gggataagcc	ttctatcaag	cgaccacgca	accacacctc	gcgcacaggt	300
acgccgccag	tggtagccg	gactgcgtcg	ccgttcctga	acgctggcgc	caatggcaat	360
ggtgctcgct	cgaaatcgcc	tctttcggcc	tcagacaagg	aggctacttc	gcctgctccg	420
accgctatcc	gggcaagcgc	ctctgtccgg	aaggcatcgt	ctacaactac	cgcaagaag	480
ggcagcgctt	taggcgctaa	ganagcgctt	aagctgggtg	ctaagaagat	tgggcggggc	540
ggaagccatc	gatttcgagg	aggcgggaac	aaaggcaaag	gaggaggcag	agcgattga	600

<210> 7527

<211> 327

<212> DNA

<213> A.fumigatus

<400> 7527

ctgctcagcc	catcaccgca	atcttggtgt	ccatatctcc	tttgttcgtt	ccacgaacct	60
cgaccgtatg	gaaccctgct	gccacagcct	ctgtcacatg	tcttgaaaac	taactactta	120
tttacagaat	ggcaatggga	gcagctgcgg	attatgaaag	tcggcggaaa	cgaatcggct	180
accaagtatt	tccaatcgca	tggaggatct	gccgctttag	ctagcaagga	cgtcaaggtc	240
aaatacacct	gcaacgctgc	tgtcaagtag	aaggaggagt	tgaaaagacg	ggctgcgcag	300
gatgctcaac	agttcgtcat	ccagtga				327

<210> 7528

<211> 432

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7528

gcgctaagan	agcgcctaag	ctgggtgcta	agaagattgg	gcggggcgga	agccatcgat	60
ttcgaggagg	cggaacgaaa	ggcaaaggag	gaggcagagc	gcattgagaa	gctcgggtat	120
gaccccgaa	cagagcaggc	cgaggccgat	gccaaagcca	agacttccac	cgctgccacc	180
gctatcgctt	ctcctactcc	cattagccca	ggagcagggtg	gcttcgggtc	cacaagaaaa	240
tctcatgaac	gaagtgccag	tgaagtggag	cgctcggaa	tgggtattgg	aagactggga	300
ttcggccaga	ctgttggcgc	caagcctgct	gctcccaaaa	agctgggatt	cggttctgtt	360
gctcccgctg	ggagcgctga	agatgggtttg	tttcatttct	gtcatctctg	ggccagtttc	420
attgggttct	aa					432

<210> 7529

<211> 276

<212> DNA

<213> A.fumigatus

<400> 7529

gactcggggc	ctgaatttaa	cgcgcgtcag	aaggagttcc	gtgagaattt	ggaggcagct	60
cgcaagaaga	gggaacagca	agagagtcag	tctgtcgatg	cttctggttc	taccccagct	120
tccccgtcta	ttcgtgatcg	cttcctgtag	tacgtaccg	ctcccactgc	tccccgactg	180
agcaatgcga	gcagtgaact	tagccctgtt	gttgatgccg	ccgacgttct	tgatagcaag	240
gcattgggct	tactttccac	ccaccgttct	gtatga			276

<210> 7530

<211> 378
 <212> DNA
 <213> A.fumigatus

<400> 7530
 gacgagcagt tgtcgggaagc caaccagtct cccaagcgtg gccccttata ttcgcttatt 60
 tacggaacga aggaaggcca gcatttcgac aaggacatcg agcggttcatt ttcacaagtc 120
 ctgcctcgcg gcaaatatgt ccattcgatt gtcttccatg atgtcaaacc agacaaagta 180
 gatgaatatg tcgctctcgt cggcgagtgg taccgccgca tggccaacac cgaagaaaac 240
 aggggttaatc tgggttgaag ctggcgcacg caagtgggag acaatgacac attcggtatt 300
 tccctctatg aaccagaaa tcgccaatgg agcccccttc cggtgaaagt cgtttctatt 360
 gagtttttcc gatgctga 378

<210> 7531
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 7531
 cgtagccttc cggaagtgca catatgggag taccagcgtt acgagggcta tcatgcctct 60
 ctgcataaca tttctcaaca tcccagattc ccagcatttg accgcaagtt gaagagtctg 120
 attaagagca agaaaacgtc cctgatgcag gaattctcct tttggccgac aactcctcca 180
 cgccgcctcg gcggtctctt tgagcttcgg tctacacccc ttcaccctgg aaacttgctt 240
 gagtgggaga cacactggcg ccgcggcttg agggcgcgcc gtgaagttat ggaggggtgc 300
 ggtgcatggg tcgtccagat tgggtgatctg aacacggtgc accacctttg gcagtttgcg 360
 aacctggagg agcgcaagac ccgtcgcgag caatcttggg gcattgaagg gtgggcagag 420
 acagtccaca agacgggtgcc gctcattcaa agcatgcaga gtcggattct gattcccatg 480
 ccatggagcc cggttggata g 501

<210> 7532
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 7532
 agaacaaccc catcttccca acctaccac gggatatgtag ccccgagat cctcaggggc 60
 caactgaccg gataccagcg catgacatcg actgaggta gcaatggact ggtectaccg 120
 tatgcagcca tggcaattgc agggaaggga ggcgccgagg ccaccttct catcacgttc 180
 atggcggtta catcgacact gtcggcgag gtcatgccc tcagttcaat ccttagcttc 240
 gacgtctatc gcgagtattt caaccgacat gcttcgacc gccagattat cgtgcaagc 300
 cattttgggtg tcatcttctt cgcggccttc tccgcggat tcagtaccat gctgcaactac 360
 gtgggcatag acctgggatg gacctgtat atgcttggtg agtatcgtgt cgtgacgact 420
 ttctcccgcg ataactaa 438

<210> 7533
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 7533
 gactgggtgtg catattgtgg cggccacatt cctcttgctt gtgggtgtga cgtctatac 60
 cttcgctcgtt ggcataaagg caacgtaagc gctgaattga gtagacagga atggcacctg 120
 acattgagac gcagggttctt gaccgattat tccacacgg ccgtcatcct cacaatcgca 180
 tgttactttt cagtcaaagc cgttacagtc ggcgagggtta gctccatcgg tcacctgtac 240
 gagctgggtca agtcggcttc cgagcgacat ccagtttctg gaaaccatgc ggccacttac 300
 ctgacgatga cctctaaagg cgtgcgtcat cttccctga 339

<210> 7534
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 7534
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 cggcctaattg cgatgctccc gctaactcat cagatggaca cgagtttctt catcaaggca 120
 ttctcggcgg ctccttcggc agttgtgcct gggatatacaa ttggaggcat agcctatttt 180
 gccattccgt gggctctagg aaccatcatg agttcagtcg ctctgggtct agagaacaac 240
 cccatcttcc caacctaccc acgggtatgt agccccgag atcctcaggg gccaaactgac 300
 cggataccag cgatgacat cgactga 327

<210> 7535
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 7535
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 gacaatgagt tcgggactca caatatcgac gattgcattg tgaagatcct ggagaggggg 120
 actttccaga cttatactgt aagtttgctt tctaaatctg cagggatagc ctatggcaaa 180
 agctga 186

<210> 7536
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 7536
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 ggtttttgca atgagttccc tttgcttgag agtttcgctg gcttgattga cgcgctcgat 180
 tgttggggcg agaccatcca gcttatcatc aagaccgagc tggaaaaaga aggg 234

<210> 7537
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 7537
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 taccagcctt gtgacagcta tttgtggag ttctacgacg acttccctgc tctcgtatc 180
 gaccccaagg aacatgcgaa attgggtggc cggggaacga cggtttgc 228

<210> 7538
 <211> 1146
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1075)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7538

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aaagaaaata	cttgcatcca	agacgcgatg	ggtcctaaac	tggtcctaac	caacgcaatc	180
tctgaatata	accccttgcc	atgctcaaag	tacagcacgc	ccaaaactgg	ggctctttct	240
attatgccac	ggagatggat	cccttatgcc	gaactcatgc	gactcgatcg	tccggcaggc	300
tactgggcct	tttactggca	ctttgttatt	ggcctcacct	tggcagccaa	catgtcttct	360
ccaattccat	cgcgcgtgac	cctcgtctct	ctgtttctct	tcttcgcagt	ctgggtaatc	420
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tgcattgtatc	gtgctgcact	catgacagct	atcctgctgg	tgtatcctct	agggaaacga	660
gtcacggatt	tcccacaggt	catattgggg	attgcattcg	ggatgtctat	cttcgtttgc	720
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cggtcgttag	cggttcgctt	tggcgaacgc	acgaagcaca	cattgtctgt	cctcgcggcg	960
acacaggtaa	tgctgctgtc	cgtgcgggt	atagcatgca	attctcggc	aatctacttt	1020
gcaggcagct	gccttggaac	agcaatctct	ttggctgctt	tgttatgggt	ttgtngatct	1080
tgcggaatcc	ggcgaactgc	ccgtgggtgg	tttgcccggg	ggtctcccc	tgttgggtgc	1140
caataa						1146

<210> 7539

<211> 201

<212> DNA

<213> A.fumigatus

<400> 7539

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tatatctggc	agtttgacca	attaagtgcc	gttgatctgc	gctgcatcaa	accttactat	180
tccaacacaa	tcgcgttctg	a				201

<210> 7540

<211> 201

<212> DNA

<213> A.fumigatus

<400> 7540

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aagaacgtta	acaagggtat	ctcacaata	cggttggaga	atatgattga	gacttcgaag	180
actgcagctt	tggatgcctg	a				201

<210> 7541

<211> 300

<212> DNA

<213> A.fumigatus

<400> 7541

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ctgacaaacta	gaactgcgtt	gcatgagact	ggcaaattac	gccgtgtaac	ccacacattt	180
acacccaatc	ctggacttta	cctaggtatt	accaccgatt	gcttgatcgt	caacgacctt	240
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<210> 7542
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 7542
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 ctaggacctg agctcttaac atataacaac attactaaga agctaagcca tgtcctagga 180
 caaataatta agcatatcaa acttttcagga gaggagcagt actaa 225

<210> 7543
 <211> 1272
 <212> DNA
 <213> A.fumigatus

<400> 7543
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 aagagctcgt ccgacggacc acaaatgtat gctcagcgac agagccccgg taccaggtct 180
 cgccatggga cccagggctc caccgggtcg caggcaaccg atgcgacatt ggcaacgtcc 240
 aagatgagcg gggaagagcc aggtcgtctc tcgactacgt caatccgcag tgggtggcgt 300
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 cgttcggatc agagttccgg agatcatgga ctataccact cccattcccc gaacgacgga 420
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 cagcgatggt ca 1272

<210> 7544
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 7544
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 ccaaccaacc tctccgtttt ggggtttcct ttttcaccag tctgttttcc ctctctggc 180
 atctccaatg ttctctcggg ccgctctctt gcttctgac cagcactta ctactactcc 240
 atctactag acgcctggga atgtaagggt tgcattaacc ctctccgact ttttatatgc 300
 ttgtcgacta tccggggttc tcttgctcaa tcgagtgtc ctctgttccc ctttttttcc 360
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 tag 423

<210> 7545
 <211> 837
 <212> DNA
 <213> A.fumigatus

<400> 7545
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 ctgctcttcc gccgccagct tccgctcata ctgctcctgg tgtttcgcgc ggacttcgcg 180
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 gatgagggac tcgaggaggc cgatttcgcg ggcccagaca gacgggtccg ggacgagagc 300
 tttcgcgcct ccggctttag acttgctccg cttggagggtc tttttcttgc tggctctgtc 360
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 ggcgcgagg tactgcagac cgatttggtc ttcgaactcc ttcatagaagg actggtagcc 660
 tgctggcgag gagaggtcgt atcctgctgc gaagctgtgg caggtatcta tgcagatgcc 720
 gatgcggggg tgatgctcgc gcgggatcaa ggcgaggagg tcccggaaact cggagaggta 780
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<210> 7546
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 7546
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 aaggtcaagg ccaagcaggc atacgattca ttcttagacg atctccgacg ctgcgaagcg 120
 cttggaatca ccctctacaa cttccagtta ggctcagatc accaccacca aaaccaaccc 180
 ggccgttcac ttaccatccc atag 204

<210> 7547
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 7547
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 cgcttgatc ccgcgcgagc atcaccccg catcggcac tgcatagata cctgccacag 120
 cttcgcagca ggatacgacc tctcctcgcc agcaggctac cagtccttca tgaaggagtt 180
 cgaagaccaa atcgggtctgc agtacctccg cgccctgcac ctcaacgact ccaaggcccc 240
 acgcggcagc aaacgcgacc tccacgcaa catcggcaca ggcttcttgg gtctccgcgc 300
 cttccacaac atcatgaacg acccgcgct cgaaggcctc cccatgatcc tcgagacgcc 360
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<210> 7548
 <211> 1008
 <212> DNA
 <213> A.fumigatus

<400> 7548
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 gccctcgaag ctacctcaac cgctgttccc gtcttggaga cgatgtgcgg ccatggcacc 180
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gcacccgaga	ccgaacagac	cagcaagaaa	aagacctcca	agcggagcaa	gtctaaagcc	660
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gcggaagagc	agaagaagaa	taaagctgcg	gggggcggca	agggccagaa	gacgttgatg	900
gagatggtgc	agaccgcggg	gaagaagagg	aagggggcta	aaaagcggcc	tgagagcgaa	960
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<210> 7549

<211> 216

<212> DNA

<213> A.fumigatus

<400> 7549

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tcgcagagga	aatgggagaa	ccctccctcg	caagatgatc	atcgagatca	gttccgctcag	180
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<210> 7550

<211> 411

<212> DNA

<213> A.fumigatus

<400> 7550

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aaacagtcgc	aatcctccct	ccctagtccc	acgaactccg	ccgctgcgct	gtccttccctc	120
acctcgggtg	gcggaatcat	cggctacacg	cgtacgggct	ccatccctc	catcgcgggcg	180
ggtctctcag	tcggcgcgct	atatctgtac	agtttccctg	gtttgcgcga	cggacagccc	240
tacggcgagg	agatcggggt	gttggcgctg	gcgggtgttg	ggggtagttc	tgtgccccgc	300
gttatcaaaa	cgagggggaa	gcccgctgc	ctggcgctga	gtgttctggc	gacgtatggg	360
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<210> 7551

<211> 285

<212> DNA

<213> A.fumigatus

<400> 7551

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cggcggtctc	ctcagtcggc	gcgtatatc	tgtacagttt	cctgcgtttg	cgcgacggac	180
agccctacgg	cgaggagatc	gggttgttgg	cgtcggcggt	gttggggggg	agttctgtgc	240
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<210> 7552

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7552

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atcctcgagg	cctctttctc	ccgaaacgcc	aacccaaaaa	ccacaagccc	atacgtcgcc	120
agaacactca	gcgccagagg	caagggttcc	ccctctgttt	tgataacgcg	gggcacagaa	180
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<210> 7553

<211> 213

<212> DNA

<213> A.fumigatus

<400> 7553

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cgctgcaagc	gttttgcgga	caaatatgtg	gaacatgatt	ttgtggtgct	ttttatagat	180
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<210> 7554

<211> 1239

<212> DNA

<213> A.fumigatus

<400> 7554

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cagccatccc	atgttttcat	aaacatggag	caagaatacg	atgatatcga	aaacgaattg	180
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gaacgggtccc	tgggcacttg	gaagctatcc	gacaccaatt	ggacctggtt	ctggaccacc	1140
cctggcctgg	tggaggattc	gcagaagttc	cgggattatg	aggctgtatg	ccgcagcatc	1200
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<210> 7555

<211> 1038

<212> DNA

<213> A.fumigatus

<400> 7555

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gtggagccgc	cgctcgcgat	ggaaccggaa	gagagcgtct	cgtccagtga	tattctcatg	180
ggtaacagaa	gccagagtgt	aacttcatac	aatagaaagc	ccttggaacg	tgaggagggtt	240
ctgaaaggct	atcatcagaa	gtacgaaaaa	tcacccgaaa	ttagtgattc	agccggcaag	300

tatactactc	aacaagatct	tctgctaagc	atctcaaccg	aacgttccgt	gggcattaca	360
ccggaaaggc	aagattcaag	ctctatcacc	agctacaagc	cttgacacaa	gttggtcgac	420
gatctacagg	cgaatttctc	tctgtcagtc	cctttctccc	agacaacact	gtcgcgggcc	480
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gaagcagata	cagttattgg	tgagaagatc	atggcgccat	ccagcccgcg	ctctggagtg	960
agcatgataa	aaactcagct	ggatggccaa	ctcaagttga	cagcaaata	agcccatggt	1020
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<210> 7556

<211> 1470

<212> DNA

<213> A.fumigatus

<400> 7556

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<210> 7557

<211> 306

<212> DNA

<213> A.fumigatus

<400> 7557

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cgctga 306

<210> 7558
<211> 444
<212> DNA
<213> A.fumigatus

<400> 7558
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<210> 7559
<211> 813
<212> DNA
<213> A.fumigatus

<400> 7559
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cggcagagtc tctcgagcgt ggccgacgt cggctccttg acgcgaacgg tggagtacct 720
tcagttgagc gttcagttcg aaaaaccaca ataccggacg agtcttgcaa cccccggcct 780
ttccttccga cggggggaag actgggtgga agg 813

<210> 7560
<211> 252
<212> DNA
<213> A.fumigatus

<400> 7560
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tctaccagc ttctgccttg tatagcagca gctggtccta cttcgagcaa gaagcccctc 180
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ttatcgtaact ga 252

<210> 7561
<211> 186
<212> DNA
<213> A.fumigatus

<400> 7561
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cgcccgttcc agaagcgcat agtactcgtg aaaatctatc ttgaacatga cttcagcgtg 120
agcgacagcc tcaggagaat cagtgcggag tgtcgcgaga cggtagccct cggccaggaa 180
aggtag 186

<210> 7562
<211> 516
<212> DNA
<213> A.fumigatus

<400> 7562
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ggactaagga tcgtagcaag ctggcaccgg cctgagggat cccgtatcat tgacgtccaa 180
ctggaaagat cagacggtcg tcttgaaccg cttgatccgc gacgtatgta taccgtcgcg 240
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agcgaagatc cgtacggggg cgactgtgag agtagttcgc atgccctggg cgttgagcga 420
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gctgtagaag gcagaattcg atttgtcgat gcatag 516

<210> 7563
<211> 186
<212> DNA
<213> A.fumigatus

<400> 7563
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ccatga 186

<210> 7564
<211> 213
<212> DNA
<213> A.fumigatus

<400> 7564
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aagtacttga tgggcaatga gtttagagtc gacttgggtc aatactggca tcggtatgaa 180
cttatggggc aggactatga aactatatat tag 213

<210> 7565
<211> 702
<212> DNA
<213> A.fumigatus

<400> 7565
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aatcatgact acaaaattca ccaattgccg ctggcccgtg taaaaaaggc catgaaggca 180
gatccccagg tgaagatgat atccgcggaa gcgcctatat tatttgcgaa aggctgcgat 240
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acgttgcaaa gatcagatat cgcagcggcc ttatcgaaat ctgatatgtt tgatttcctg 360

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atgggacaag	accaagaata	tgcacagcca	acgatgtacg	ggggagccgt	tcagtcggat	600
ccgacggccg	catatggaca	gcgcgaatcc	caaatttttg	aaggaatgta	caatccttat	660
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<210> 7566

<211> 471

<212> DNA

<213> A.fumigatus

<400> 7566

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ctcgaggagc	ttctcgccgc	ggcccgatcg	caagggtgctg	cgggggggtcc	gatatcctta	180
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gtcaattcca	aaattgatga	cctcattgaa	actgcagagt	atgactggat	ggcactcacg	300
cctccgacag	agcccagcaa	ctacatgcaa	acggttgacc	gatttctgtc	caatataatg	360
aactcaacat	tgctcgggtc	cccaacagaa	atcaaggaac	tcatatattt	cgatgctctc	420
agccatgcgg	cgaacatgat	actggttaata	ccatattatt	ccttgattta	a	471

<210> 7567

<211> 213

<212> DNA

<213> A.fumigatus

<400> 7567

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gctgaaacag	gtgccaaagaa	ttacgcacccg	tacctatata	cctacctaca	ggtaagagat	180
acactatgtg	tgctgttcta	ctgtctaagt	tag			213

<210> 7568

<211> 681

<212> DNA

<213> A.fumigatus

<400> 7568

ctaattcctt	cattcgcagt	cctgagagaa	ttacggacgc	tgttttcaaaa	catgatcact	60
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tccaacgagg	cagcaattcg	gcgcgggtcg	acgatatacta	tgacccgacc	tggcggactg	180
ggagagatca	acggcatgcc	tatcatgggt	cccctcggcc	cgccactgcc	aatggcagat	240
caaactcaaa	gtccaacaga	tgccgagaca	gagacgcca	aacgtaaaac	aacaagcgac	300
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agtgaggaca	agggaaacga	agtccccccc	gcggatgcca	tgttgacaga	tatcccagta	420
tcccaagata	ttgagagcaa	tctttctccc	aaagatgaga	cgcggctat	cgctttcggg	480
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cagcttcttg	aggaggtaga	aatcgggtgt	caacaagatg	tcaccgaagt	gatcaacaat	600
gtccttttcc	agagccaatg	cgcaatcaag	ccgatcgcgt	tcgcccagga	cggtgaacaa	660
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<210> 7569

<211> 474

<212> DNA

<213> A.fumigatus

<400> 7569
 catatgattg ctagcctatt ctatggacgg accaagtcac atattctcgc ggaagcaggt 60
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 gatatttatt cagcgattga tggcgcattt gatgccccaa aagtcaatgt cgatgatacc 180
 gtcgtggagc aattcgggtc catcagcaag ctacctcgg tccttcaaat ccaagtgcaa 240
 cgggtacaat ttgaccagc caagaagagc tctttcaagt ccacgcacac ccttgagctc 300
 aaggaaacga tctaccttga tcgttatatg gacacgcagc atcctgagat catgaatcga 360
 cgacggcagc gctgggaatg gaagaatacg ctgaagacac ttgaagatcg ccgtgccgag 420
 ctgctacgtc aaaccgtaag ggatgacata taccagtgtt gtgttaaaaa ctaa 474

<210> 7570

<211> 249

<212> DNA

<213> A.fumigatus

<400> 7570
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 gaagtgcgag tatcaagtcc gtggcggaag acagtgcgtg atccccctata taaattccgc 120
 tacatcactg tgctaataat tgaacaagg gtcaccaatg ttgagcaggc cgagatcttc 180
 ctccggcgtc atagcacaa aagcgacgag ttcgttctga ccatgtatac cacgaaggta 240
 aagggtcag 249

<210> 7571

<211> 885

<212> DNA

<213> A.fumigatus

<400> 7571
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 tcgaagctca tgcagaaagg ccgaaattcg gctgtcttga gacattttct caagaccggc 120
 gaaatgacaa ccgggggaaat ggatgtcgcc gacgcctatc gcttgctcca gattcctgat 180
 cggaccgtgg acgatgcagc gataatggca gcttacacaa tctgtgttga tgaagctcct 240
 ggacaagccg agcgatacta tcaagccttg agcatcatcg ccaaggaaaa gaatagctct 300
 ctactcagca gtatgatcgc tgggcccggc gccgaatctg gccgtgactt gtccgagtgg 360
 cccgtcggac tgcagaacat tggcaatact tgctatctca atagcttact acaattttat 420
 ttctccattc gcccgttccg ggagatggtc ctggactttg agagtctcag gatggagctc 480
 gatgacgaga gtttgagcaa gaaacgtgtt ggttcccgcg aagtcctgaa aaaagagggt 540
 gagcgggtctc agacgtgtag gtgttgtcca gttgtatgta cgatatccga acgactgact 600
 aattccttca ttccgcagtc tgagagaatt acggacgctg tttcaaaaaca tgatcacttc 660
 atcaaattct tttgtgactc ctcgcccgga gttagcacgt ttgacgctaa taagcccgtc 720
 caacgaggca gcaattcggc gccggctcgac gatattctatg acccgacctg gcggactggg 780
 agagatcaac ggcattgcta tcatgggtcc cctcgcccg ccactgccaa tggcagatca 840
 aactcaaagt ccaacagatg ccgagacaga gacgccccaa cgtaa 885

<210> 7572

<211> 525

<212> DNA

<213> A.fumigatus

<400> 7572
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 atgaacgccc gctacgacct ccactaccat atgaaggctc gcgcgacact ggggcccctc 120
 cgctacgaga actatctcct catcggcacc ggccggcgccg tccacaatct ctaccgcaac 180
 cgctgggccc ccatgctgcg cttccgggat aatttcgcca tggagacgcc gccggaggag 240
 tgggcgctgg agttccgcca ggccgtcgag gacgtcatca cgaagacctc ggggcccggc 300

ctgcggcgcg	ccatgacccg	cttcatgaag	catccccagt	accgggatgc	gcatgccacg	360
gacgaccact	ttatggcggc	aatgtttgtg	gccggagcga	tgggcgattt	cgaggatacg	420
gggtcgccgg	cggtcctggg	ggcggagagt	tgggaactga	ccaacatgtg	taattcgacg	480
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<210> 7573

<211> 522

<212> DNA

<213> A.fumigatus

<400> 7573

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cacgtccccg	tcgacatgct	cagtaagtc	tctttcccg	tcccttcac	tcagctaaca	180
gactcagtcg	gcccggccta	ccccatcaac	acggctccca	gcaccgaaac	ccgctacacg	240
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gggttaatca	ctggtgggg	aattaccctt	gcgacgttga	tagcgacggt	gtcgactgtg	480
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<210> 7574

<211> 516

<212> DNA

<213> A.fumigatus

<400> 7574

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ctgactgcca	gcccgtcgcc	gaaggcccg	agaactactg	ccccgcac	acaggccctt	180
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acaaccgttg	ggaatgtcgg	gattggcggg	gtgggggcat	atggggatac	tgtttggcaa	420
atccatgggc	tgggaaccgc	gtgggttgca	atctctagg	cctccaaaca	aaccgggggg	480
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<210> 7575

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7575

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ttcacactga	agacctctc	atatccaatc	aatgatgtcc	tcgtcaccac	ccaaaacatt	180
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<210> 7576

<211> 693

<212> DNA

<213> A.fumigatus

<400> 7576

agacctctc	atatccaatc	aatgatgtcc	tcgtcaccac	ccaaaacatt	tcatggctgg	60
gttgcccgcg	acgccaccag	ccctctgaca	ttcaccacct	tcgaacctaa	acccttcacc	120

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gaaaccgaca tcgaagttaa agtctccccc tgtggcatct gtggcacaga catccacacc 180
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cgttgggaat gtcgggattg gcggggtggg ggcatatggg gatactgttt ggcaaatcca 660
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<210> 7577

<211> 636

<212> DNA

<213> A.fumigatus

<400> 7577

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<210> 7578

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (62)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7578

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cnagaagggg accaggaaac accaaagcga gtgtccccc cccccccac ccccccccc 120
cccccccccc ccccccccc cccgcccccc accaccgcc ccccccccc gccaccccc 180
ccc 183

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<210> 7579

<211> 804

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (238), (682)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7579

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ggaggacga aagaaatagt ggagggaat tttttaaaag aaaaagaaat gtggaaaata 180
aaaaagaaaa aagataaaaa attcagagag aatattacga tattcacaga cagttcanag 240
aaggaggctg agtatccacc aggaagatca ctgactgaat gttctcaagc gcctatccaa 300
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ctcccgctcag atccccaccc cagccccccac tcccccttac cgcccctcaa cgccccgcc 420
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ccacaacgcc accgccccg gactccccctc ctcccccccc cactcccccc ccacaccccc 540
tcccaatgct ttggcactaa ccagactaac actaccacc cccatcacc cgccccacg 600
cccgaccccc tgagctttaa gggcctgagc cgacacgggt ttgttccctt ggcggtggccc 660
cctccccgcc ccccccccc cnagaagggg accaggaaac accaaagcga gtgtcccccc 720
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<210> 7580

<211> 291

<212> DNA

<213> A.fumigatus

<400> 7580

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ctgaagaagg gggctctcgt tgcgcgtgat cctgaacatt tcgagactgt cccagatatg 180
actgaagcgg agatcacgc gattcgtgat gaaaccgagc acaaattggcg ccagcctttt 240
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<210> 7581

<211> 408

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (123)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7581

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gcccttaaag ctcagggggg cgggcgtggg ggcgggggta tgggggtggg tagtgtagt 240
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agtcgcgggc ggggtggcgt gtggggcgag cagggggggg ggggtggggg cgggcagggg 360
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<210> 7582

<211> 516

<212> DNA

<213> A.fumigatus

<400> 7582

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ggtgcaatct tcatctctgc gatcttctgc gtacttacc ctattggcag cgctgtagct 180
cagacttggc cccagctctt tgtcactcgt cttctcctcg gcctcggcat gggcctgaag 240

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gcttccactg	ttccgatttt	ctgtgcagag	aacactcctg	cttccggttcg	cggaggcctg	300
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gctgtcaagg	acactgggtga	tattgcctgg	cgggttcagt	ttggctctgc	tttcattcct	420
gccatccac	tgcttggttg	cgtgtatttc	tgccccgagt	ccctcgttg	gtatatcaag	480
aatcttcacc	acggggggcg	acggatccgc	gcaagc			516

<210> 7583

<211> 990

<212> DNA

<213> A.fumigatus

<400> 7583

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caagatggat	tcaatatcgg	ctggaaaatg	gcgctcgctcg	cgaaggggt	tgctcgccct	180
tctatactcg	caacttacga	gctagagcgt	aaaagaactg	cgcaaatgct	gatcgatctg	240
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aatggatatg	cctgtcacta	cgggcccagc	tctttagtcc	acaagggagg	cgagaatatt	420
gctgcgaatc	tgatccctgg	agaaagattc	ccgccagtca	aggtccgtaa	tcaggcagac	480
ggccaggcct	ggtggacaac	acgccttttc	aaaagcgacg	ggcgcttcgc	gattgtgctc	540
ctcgcaggag	atgtgcgtca	caaatatcag	aggcaacgcg	tcgaggcttt	cagcgcccac	600
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gacagaatac	gaggtgctct	cgtcatcctc	agacccgacg	agcatattgg	atgggttgga	900
aacatcgagg	atgtcgatga	aatgacctgc	tattttgaac	aaatctttca	gcctcctcag	960
aagtcctgta	acatggaggg	caatgcgtaa				990

<210> 7584

<211> 270

<212> DNA

<213> A.fumigatus

<400> 7584

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atttcggggg	ccttagatcg	atcctcagtc	actcttgaca	tggttcggca	aagggccaaag	180
gagatgctga	gacccttcga	ctttgacttc	aaggctctgc	actggtggac	agtttatcag	240
gtatggttta	actcaaatag	tgcattttga				270

<210> 7585

<211> 210

<212> DNA

<213> A.fumigatus

<400> 7585

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caacgcgcgc	tctaattttt	ogaatttaat	ccttttactt	ggcaatatgc	attgatcttc	120
agtactacgt	gttttgatag	acatatgggc	catgcctccc	taccagtag	ttattcacia	180
ttaaaagcca	gagatgtcct	gattggctag				210

<210> 7586

<211> 471

<212> DNA

<213> A.fumigatus

<400> 7586

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ctgagttccg	cctgcgcgaa	acatcttgca	ttgtccaacg	atctatactc	gtatcctaag	180
gaagtcacgc	ccgaaaagga	gaacggagaa	cctcttgctc	acgccgtcaa	ggcgtccag	240
gaattgatga	atgtatcctc	ttcatcggcc	aagtcgattc	ttcgtggtat	tatattggat	300
accgagcggc	agataggcga	ggaatacgag	tctcttgctc	acgcgaagag	tacaacatta	360
tcacagctgg	tctacgccc	aggggtgatc	atcgccgtag	cagggaacat	gttcttctcg	420
gctacgagtt	atcgttatgc	taaagctgtc	gacggatcca	ggctaattga	a	471

<210> 7587

<211> 306

<212> DNA

<213> A.fumigatus

<400> 7587

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gtattcaact	acaagaagat	ggagtcagat	tataagcacg	gagtgtcttg	ccaagaaatt	120
actaccggag	cacatcgttc	ccctctctgt	ttggattcag	agtgccatga	tatagtata	180
cgccacgtga	tgataacaaa	gctgagcata	tcttatgcac	tgctcaatgt	gatggatcag	240
atcaacgtga	aagatttaca	catcctagt	ctaggggtgt	tagtattatc	catatatact	300
aattga						306

<210> 7588

<211> 1269

<212> DNA

<213> A.fumigatus

<400> 7588

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gtcagttgcg	cgtatgacat	gaaatatggc	cgagggcgac	ccccgacacc	tccatcttca	180
gccgcgattc	gcgaacatca	aaacaggctg	agaagtaatt	actcatatga	tctctctaac	240
tggcagccac	cagtctccgt	cgctcctgaa	atatcgctcg	cactagtcca	ttctcgagcc	300
tcaccaactg	gtgaaaattga	gggtcaatat	tttgatccta	cctcgggatt	gaacttttta	360
caccgagcat	ggaaaaagct	tttgaccacc	cagaatgatc	aaccggcatc	ataccgccta	420
agcgttgcgg	agcagaatca	gctccttaca	tcggcagggtg	accgaccctt	tcacattgag	480
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atggagatct	ttctgaaaga	tggacaaggc	gcagggccca	ctgctcggtc	tcttggttaag	660
gccaaaactg	ctactctcct	taccatcatg	gctatcgcg	acctgcgcct	gcacaggggtg	720
agcggggaga	catcaacgga	ggctgagtcg	cttgccctga	aacggagcga	tcacttgttt	780
tgtgctggta	tgagaatgac	tgaagaggag	attgggtttc	cgctcttga	atcagcacag	840
gcacgtctgg	tccaagtcct	ctaccttctt	caaacctccc	gtataaataa	agcctggtac	900
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aagagggatt	accccttcac	aagcaggagg	caggattata	tcacgtcaga	gtgctataag	1020
cgcacctttt	gggtggcata	tactgtcgac	agatatctga	gtgttggtg	tggtcggcct	1080
cgactttacc	aggatgaaga	catcgaccag	aattttccag	atattgtaaa	cgatgaggac	1140
atgacaccgg	atgggttttc	catttcagat	gacccggctg	attgttatat	cgatgctctc	1200
atatatcatg	cgaagtacat	aacaaccccc	gccgaccacc	acaatactgc	attgctaatt	1260
cgattgtag						1269

<210> 7589

<211> 717

<212> DNA

<213> A.fumigatus

<400> 7589

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gagagggaaa	agcaaaactc	tctactcgc	atcaagtata	tgaaggata	cttcaacaac	180
gccccacccc	caccaacatc	ggactctgag	tcaaactctg	gatccgacca	gactactccg	240
gtccgacagt	acaccaatca	gcaaaaggcc	ttgctggcgc	aggaatatca	tgaccacgaa	300
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aagaaactag	aactacaaca	cggacacccg	tacggctctc	tacccccact	ctcattctcc	600
gaatcgcat	acgagacgcg	ggactcggca	atttgtgtct	cggaaaacag	tacaaacatg	660
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<210> 7590

<211> 834

<212> DNA

<213> A.fumigatus

<400> 7590

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gattcgatcc	gccagttaga	gctccagtgc	cgagagcgag	tggatctctt	ggaagctctc	180
cgtgaaagca	gaaaggaagc	acaggagaag	gacagtccca	ccacgagcgg	tatcagccac	240
cgattcttca	aaggcaaatc	ggcctcgaaa	ccacctactt	cgaacacacc	cggttggatc	300
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ggacgtccag	caccgggtgac	gcaggggagt	tcggaatcgg	ttatccaaga	cagcagtgtt	420
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tctcgcaact	cgagccccga	gaaacggaag	acaatgccta	ccactctgcg	gaagtccggac	540
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gcgtctcagg	ctgcgggttt	agcctggggg	aacatctacc	ggctcccttc	agcatctggg	660
aatctagcaa	gtgacgccgc	tgcaacatcc	tcgcggcaga	gcatttccag	tgactctggg	720
ttccggaaaag	attctggtca	gttcagggtc	cactctgggg	atgagcttgt	gtcgaagaaa	780
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<210> 7591

<211> 342

<212> DNA

<213> A.fumigatus

<400> 7591

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tttccctttac	gactgaaccc	tctgtatttg	gcacgtcgat	cagaatctct	aacgaccgcc	120
gcaatgagac	tgccacctcc	ccaggttctg	cttacatggc	cgacacccaa	ctacgtcgat	180
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gtcgttacgc	ttcttcgtct	ctacactcgt	ttgaaaatta	cgtatagtc	tggtctggat	300
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<210> 7592

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7592
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 tccccaggtt ctgcttacat ggccgacacc caactacgtc gatccctca ctgcgaggaa 180
 tgggtgccctg atcgtaa 198

<210> 7593
 <211> 765
 <212> DNA
 <213> A.fumigatus

<400> 7593
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 atcaaattcca ctcaaattgag caaagccggg agcacggatc ttgcagcggg agggctctctc 180
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<210> 7594
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 7594
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 gaaacccac aggaagggtg tcaaagcacc aacgtccata gcatgggaaa gaaccgacat 180
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 gaagttgaca gtgtagtgac ggatcttgcg gtcgactcct tccgcctgcg actcaagatt 540
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<210> 7595
 <211> 927
 <212> DNA
 <213> A.fumigatus

<400> 7595
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 tcttgcaaga gtgcctcttt cactacgtcc ggactgagga cagtcggcca atttgatccg 180
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 acccttcccc gtcggtagcg ggagcctacc agctaccagg ctaccagact cgtcccagcg 360
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tccgttcttt	cccatgctat	ggacgttggt	gctttgacac	ctttcctgtg	gggtttcgag	840
gagcgtgaga	agctcatggg	aggtggcatt	ttttctctta	atcgcgtatg	ggttgagagc	900
aatgcattga	cctttcatct	tcaatag				927

<210> 7596

<211> 750

<212> DNA

<213> A.fumigatus

<400> 7596

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ggcgaccgca	ttgacgagac	cgaggagctg	cttacagata	accgtatctg	gaaggctaga	180
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tgccgaatgg	aggagtccg	ccagtccttg	cgcattcttc	accagtgcct	gaacaagatg	420
cccgtgtgtc	ctgtccgcgt	cgaagactac	aagatctctc	ccccctcccg	tgccgccatg	480
aaggagaaca	tggaggcgct	gatccaccac	ttccttctct	tcaccaaggg	atagccggtt	540
cctcctgggtg	agacttactc	cgccattgag	gcccccaagg	gtgaaatggg	tgtctacctt	600
gtcagtgacg	gcagcgagag	accctaccgc	tgcaagatcc	gtgctcccg	ctttgtcat	660
ttgagtggat	ttgatcagat	ttctcgtggg	caccttctgg	cagatgctgt	cgctattatc	720
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<210> 7597

<211> 576

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (110), (173)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7597

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tataattgcc	tctacttcga	cattgacaag	accaagtcct	accctctgca	ccacgcgtct	300
caggccgttg	gtgagccgct	gggcaaagct	ctcgaggcca	atgtcaaggc	gcttggcggt	360
agcagtctac	tctctggcat	ttttcgcagc	ttccgcgaga	ataagaatgc	tctcaaggag	420
tacggagtgc	acttgacgaa	gcagcttctg	gaaaatggtc	tgggggctca	cgagattgca	480
tgggcgcagt	ttttgcccac	agtcattgcc	atggtccccc	ctcaggccca	agcagtaagt	540
ccatccccca	atgattgtgc	gctcagagat	aactga			576

<210> 7598

<211> 321

<212> DNA

<213> A.fumigatus

<400> 7598
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 gctcctggtg ttcaaggaca gttgaagaag atccctcagc ccggtggcta ttctgcgtac 240
 ctgagggagg atcatggcag ttactctatc ttcccgacaa gtgagtgttc ccggctacca 300
 ttggcacatc agtcttgcta a 321

<210> 7599
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 7599
 ttcacccaga tcgtcgactt ttacctgtcg aaagaaggca gcaaaccatct cccagcaatc 60
 caacgcctgg ccaaacagga cacgaagaag tcggacgaac aattgctgca ttactgcttg 120
 gaggtgtgac gtctcaacga tatgtctggg ttgtaccgcc agtcagaaac taccctcgcc 180
 gtgactgatg aggccgtcga ggtcaccatt cagcctggcg acaaggctctt tgtcagcttt 240
 gtacgttcca ccccttagt gttgtactat cccgcctctt tctaa 285

<210> 7600
 <211> 573
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (531), (557)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7600
 gagaccggca acaaaatctc ccgccgctcc caaatccacg gaacgcagca catcattcta 60
 ggcggcaaga ccgtcatcca agcagacgcc gtcacccggg gagacctgta ccgttcctca 120
 tcctctgccc ccgccgacgg cagcggcgcc ggacgacccc gccctcaca accctcgacc 180
 cccttcgtcg ccattacaat aggcaggtac agctacatct cacggcaggg ggtgctgagg 240
 ccgccgtccc gcttacaccg gggagtagac acgttctacc cgctcaagat cggcgaccat 300
 gtgtttgtcg gggagagggc ggtggtggag gcggcgatgg tgggcaacca tgtgcatatt 360
 gggcgggagg cggtagtggt gagcatggct atcctgaagg actttgcgta tgtgcttgat 420
 ggggcccgtg tgccagctgg catggtgggt ccgagctggt gtgttggtgg cggggcgccg 480
 gcgaggattg tcggggagggt cggggagggg tatgggggtg agggggccga nggggggatg 540
 gcgacggaga agtatanaat ggttggggcg tag 573

<210> 7601
 <211> 312
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (31), (57)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7601
 accttcctg tcactacccg cccaaccatt ntatacttct ccgtcgccat cccccntcg 60
 gcccctcaa ccccatacc ctccccgacc tccccgacaa tctcgcggcg cgccccgcca 120

acaacacacc	agctcggcac	caccatgcc	gctggcacca	cgccccatc	aagcacatac	180
gcaaagtcc	tcaggatagc	catgctcccc	actaccgcct	cccgcccaat	atgcacatgg	240
ttgcccacca	tcgcgcctc	caccaccgcc	ctctccccga	caaacacatg	gtcgccgatc	300
ttgagcgggt	ag					312

<210> 7602

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7602

agactgaatt	gtgtcagatt	tttaaattac	ccatgttgct	cgcatcactt	gcattgcaca	60
tatcattact	atgctacgct	agattataaa	gccaatcctc	aatatccaaa	cgagagatat	120
cttagtcgtg	ttaagtcgtg	gcatgccc	ctatacacca	gctacaagac	aaagctggga	180
accgcgcggc	gatcgctggc	ttag				204

<210> 7603

<211> 1449

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1334)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7603

tggtaccctc	tcggatctcc	tgacttgtcc	ataccgcgtc	agcaaacttc	tgactcgacg	60
gagaccatgg	cagcggagtc	cgagaggctc	ccctatccca	atggttcctc	cgatggaccg	120
ggcgtggccc	aagacgatga	tgaggctact	tcgtttacat	cccgccgggtc	tgcgagtga	180
agcgacatgg	tagaactgcc	acgttccgca	tttaaattcc	gaacacaggc	atccactctg	240
gcccagctac	caaaagtatc	ctccgcagtt	cccagcattt	cgccccctcc	ctctactacg	300
aattccgccc	gacccctcgc	cgaatcctcc	cccattcgtt	cgccccgacg	tgacgcgaac	360
ccgacgtcgg	cgccctcgac	ttccagatcg	cgccagaaca	gtcaagatcg	cagtcgcgaa	420
cggtccttac	cagttcctac	cgcgagtgtc	gtgcaaagag	cgctctccca	gcccagcagc	480
aagcctcttg	tgctgagcgc	ttccccgaat	gttgaatcat	cctccaatgt	tcccagccca	540
gacaaatcta	acaacatgcc	attatggggc	tctaccctcc	cgaatacctc	gagcaagcgg	600
tccttgccgc	cgtcgcgacg	ccttgccacc	agaggagatc	ggagtgcacc	tcgcaacgtg	660
agcagccgca	tcagtgcgcc	gggttctgcc	cttgaaaccg	tggaggagat	gaccagcgat	720
ccctcgaccc	cgtcggccga	taccatcctg	aaccagcctc	tgtcggagga	gccgaagctg	780
caaaagatcg	atgaagacac	aacaccaaag	gcgtccaggc	ataataccaa	tgtcgagagt	840
ggaagtgcac	gtggcgga	caaaagctca	gagcgcatgg	aagacactcg	tcgttgggtg	900
tccacgggta	ccagaaggtc	cgattccctc	ttggcgaagc	gctccactac	ctcattgagt	960
ggcgctcgcg	ggaaaccggc	ggaggggtcc	gtccgcaaca	tgattgtcga	gacggagacg	1020
gtgacctcaa	ttccccaggt	ctctctgggt	gtggtaccgg	gcgaacgagg	catttcgggc	1080
cgggtagaca	gcggcactct	acgcatgaag	ccgagtacgg	agaccattcg	tccgagaaaag	1140
gaaaaacgga	aaactcgcaa	acctgctgcc	cttgccagcg	gcgcccgcgtc	ttccaaagct	1200
gacatcttcg	aagcgaaagt	ggccagcgca	gtcgatgagg	ccgacgtctc	ggactctgat	1260
gaaacgtttg	tctatgagtc	caatcctcca	gacctatc	cggtccggca	gaaccgggat	1320
cattccccga	ccncagtg	aacgtctatg	gcaagccaag	tcgaccagct	ggcaggtcgg	1380
gcgcgacata	gcattgagaga	ctccacacac	agcattaccc	ggcaaacgca	gcattgaaatt	1440
cacaaataa						1449

<210> 7604

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7604

caggccgcct	gggacccaac	aacccccctt	acaacagcca	ttggccctct	gggccccagc	60
tccggcatac	gcattctctc	cttccgcacc	tgcaaagcag	atgttggtgt	gggtctgaag	120
ccaggtgaag	acgagaaact	ccgtgagacg	caaggcgggg	acaaccccaa	ggcgcggaag	180
tgggcatgga	gcggcaagta	tgctgtcatc	tctttctgtg	acggtaaagc	gtaa	234

<210> 7605

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 7605

ccaggaattg	gagcagaggg	gaacgccctc	atggcagaat	gcgtcgtggt	tgttctcaga	60
atgctatctt	tgtgcgtttc	gaaatatata	tacgtggtaa	tgccggcagt	gctgacgaag	120
acagaccggc	gcgtcagtac	tctcttttga	ctgtcgaaga	actggaaggg	ttacgatgtt	180
ttctcccggc	agaagatgtc	tacattcaag	tcctcgcgtc	cggcgggtgt	ggagctagcg	240
gcgcggtacc	acgagctcgc	gcttcaggca	cagaaaggca	aggggggtgga	cggcaaggcc	300
gtggaggaga	tcgaggaagc	cgagcgatta	ctcttctctg	aaatgtgcga	gatctgtctg	360
tggggtaacg	cgacagatct	ttctcttttg	acgtctctca	catacgagga	tatccagaag	420
ctgcagggtt	ccaaggcgcg	caaagcggcc	gaggagaaca	tcctcatcaa	cgatctggac	480
gccgcctttg	atgcactcgc	caaggcgcag	aaggagaaga	aggacggcga	gcgccgcgtg	540
gatatcgtgc	ttgataactc	tggctttgag	ctgttcgtgg	atctcatcct	ggccggctac	600
ctctctcgg	cgggcctagc	aacaaccgtg	gtactccatc	ccaaggtgat	cccattggtc	660
gtctcagacg	ttaccctcgc	ggactttatg	gatctcctca	acgtctctgg	ggacgcacag	720
ggctttctata	cggccccgga	cgagacagga	cgcgagtacg	agccccctct	cgagaaggaa	780
ctggctgagg	tgaaattcct	gtttgatcag	tggagtaa	tcacacagcga	gggcaaactg	840
gtcatccgtc	cccacgcttt	ctggaccgct	ggtggctctt	actggcggat	gccctacgtt	900
gcacccgatc	tgtttgagga	tttgaagcag	agcgaactcg	tcctgttcaa	gggtgatttg	960
aactaccgga	aattgactaa	cgacgtgagt	ttctcctcag	ctccacataa	tggtgtttat	1020
ttccgtggtt	aa					1032

<210> 7606

<211> 591

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (110)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7606

atcgtctcct	gtgcctccgc	cggccgctct	cgatgccgcg	ccgcctcggc	cttcttccgt	60
cgttctctgc	cagccaccat	cgccgcgcgc	tgttccgcgc	tctgcagtcn	cgcccgagca	120
cggactcca	tcgcagctc	tccccgctcg	tcgcgctcgc	cctcgtccac	aacagcaggc	180
gcctcgtcgt	cgctctccct	tccttcccca	cggcgagcgg	cgctctccgc	cgcagcggac	240
gctaggatcg	cgtctgcggc	gtcccgttcg	tcattcgcac	tcgagctgcc	cgtcgcggga	300
ccaccacccg	tcctccaatt	cgatttcttc	gcgcggcgga	actccgcgct	ccgaacggag	360
gtaactaaac	tcgggccctc	gtcgtcctcg	ttgtcgaaat	tagtcgctga	cgtccgtaga	420
tcgggcggat	cgtcgtcggc	aataatgagg	ccgtcgcccc	cgggtgtcgac	ggtcttggtc	480
ttcttgcgtt	tcttttttgg	gcgatcggtg	gccggatcgg	ctgttaggta	ctttttggcg	540
aggtattctg	ctagtgcaga	ggggggcatg	gtgttgaatc	tgagggttta	a	591

<210> 7607

<211> 507
 <212> DNA
 <213> A.fumigatus

<400> 7607
 tatcatcaag gtgtccagca ccatattcat gccgaatcag tacagatacc actccctcca 60
 atgcaattta ctcatccatc tgccactggt aatccaacgc ttccagtctc cctttcttgt 120
 ttctcgtctgc aaaccattcc ttctcgaacc cattgccccg atccacccca tcccaccgat 180
 gtcccgagcg gatcccatat cggtttggtt gaaaagcccc cttatacagc ggcttccccg 240
 tcacactcac gcccgcccc tttgtcttgg tcaaaaaccc tgccgcagga tcattccacc 300
 gctgctgctc cttcagttcc tcattcaggg catcgtcctc gatcgtccgc gcaagtggca 360
 tcgctgcgagc ctctgtatc tgctgtctgc gtgctctccg ctccgccccg tgcacatcgc 420
 ccatcagcgc ctctctcgcc gcctcttctt tctcccgtt ctctgtctcc gctcgcgcgc 480
 cctccgcccc cttcagggca acgttga 507

<210> 7608
 <211> 483
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (161)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7608
 cgaacgggac gccgcagac cgatcctagc gtccgctgcg gccgagagcg ccgctcgccg 60
 tggggaagga gagggaggcg acgacgaggc gcctgctgtt gtggacgagg cggacgcgga 120
 cgacggggga gagctgcgga tggagtcgag tgctcgggag ngactgcaga cggcggaaca 180
 gacggcgggc atggtggctg cgcaggaacg acggaagaag gccgagggcg cgcggcatcg 240
 agagcgggcg gccgaggcac aggagacgat ctaccgagat gcgtctgggc ggatcatcaa 300
 cgttgcccctg aagcggggcg aggcgcggcg agcggagcag gagaagcggg agaaagaaga 360
 ggcggggaag gaggcgctga tgggcgatgt gcagcgggag gagcgggagc cagcgagaca 420
 gcagatacag gaggctcgcg cgatgccact tgcgcggagc atcgaggagc atgccctgaa 480
 tga 483

<210> 7609
 <211> 1053
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (478)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7609
 accctcagat tcaacacccat gccccctcgc tccactagcag aatacctcgc caaaaagtac 60
 ctaacagccg atccggccac cgatcgccca aaaaagaaac gcaagaagac caagaccgtc 120
 gacaccgcgg gcgacggcct cattattgcc gacgacgac cgcccgatct acggacgtca 180
 gcgactaatt tcgacaacga ggacgacgag gggccgagtt tagttacctc cgttcggagc 240
 gcggagttcc gccgcgcgaa gaaatcgaat tggaggacgg tgggtggtcc cgcgacgggc 300
 agctcgaatg cgaatgacga acgggacgcc gcagacgcga tcctagcgtc cgctgcggcg 360
 gagagcgccg ctgcgcgtgg ggaaggagag ggaggcgacg acgaggcgcc tgctgttgtg 420
 gacgagcgcg acgcggacga cgggggagag ctgcggatgg agtccggtgc tcgggcgnga 480
 ctgcagacgg cggaaacagac ggccggcgatg gtggctgcgc aggaacgacg gaagaaggcc 540

gagggcggcgc	ggcatcgaga	gcgcccgggcg	gagggcacagg	agacgatcta	ccgagatgcg	600
tctgggcgga	tcatacaacgt	tgccctgaag	cgggcgagg	cgcggcgagc	ggagcaggag	660
aagcgggaga	aagaagaggg	ggcgaaggag	gcgctgatgg	gcgatgtgca	gcgggcggag	720
cgggaggcac	gcagacagca	gatacaggag	gctcgcgoga	tgccacttgc	gcggaacgatc	780
gaggacgatg	ccctgaatga	ggaactgaag	gcgacgagc	ggtggaatga	tcctgcggca	840
gggtttttga	ccaagacaaa	ggggccggggc	gtgagtgtga	cggggaagcc	gctgtataag	900
ggggcttttc	aaccaaaccg	atatgggac	cgtccgggac	atcggtggga	tggggtggat	960
cggggcaatg	ggttcgagaa	ggaatggttt	gcagcgagaa	acaagaaagg	gagactggaa	1020
gcgttggtatt	accagtggca	gatggatgag	ttaa			1053

<210> 7610

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7610

tgcactcccc	cgtctacttc	aaatgtgccc	acttgctcat	tgaaaaacgc	tttgttccgg	60
aagcgaaccc	aatacccttc	tatccaactc	atcctctgcc	tcgttgacga	gtcggaaatc	120
acccaggtcc	ctgtctggtc	cggctcccat	atgaagactg	gcaatggcgg	cggagccgac	180
gaggagctca	tggaatttgt	ggcagatatt	tctggagacc	tgaatgggta	a	231

<210> 7611

<211> 246

<212> DNA

<213> A.fumigatus

<400> 7611

ctcagactct	cgcgtgccag	gcatctact	gtggtacaga	ttgacaaata	cgacgacctg	60
ggctctgtca	atatagatct	gtccagcata	agagtcaagg	tgacgatcaa	tatggagcgg	120
atggagatga	tggaactctac	ggcaatgccg	caccgtagca	atctcaaggt	cttcgccatc	180
atggtggccc	tgctcggtgag	aaagaccatc	actgaagatg	actcggtatc	aacgaataac	240
tcataa						246

<210> 7612

<211> 357

<212> DNA

<213> A.fumigatus

<400> 7612

ctcataaaaa	tcagctgtc	gatgtttgtc	gctgctctcg	accagacgat	catggccacg	60
gccatcccaa	ctattgcagc	taagctgcac	tcggctgcag	gatatacgtg	gattggcggg	120
gcctaccttc	tgcccaatgc	cgctgggtgt	tgcatctggg	ccaagctctc	ggatatctgg	180
ggacgcaagc	ccatcttact	cttgcccggtg	gcttggtttt	ttggtagtgc	gatcatttgt	240
gcgacggcgg	tgatgatgcc	catgttaatc	gccggacggg	cactgcaagg	tggtgccggc	300
ggtggcctgc	tcagtttgt	cactattgtg	atttcggatt	tgttcagtgt	caggtag	357

<210> 7613

<211> 495

<212> DNA

<213> A.fumigatus

<400> 7613

cgaaggcatt	catactgcaa	cgcacggcca	gcggtgggtc	gaatctgcac	accacggagt	60
tacatcgta	agtcggtcaa	tacatacttg	agaatggaaa	cgatggaaga	gcttactggg	120
cgtgctgcta	ccatttctct	cgagtcagca	aaacccgctc	ggtcaatcca	ggtgcagccc	180
ggccctttgt	cttcccacct	ggacaagatc	tatgcgtcct	tgacgtccac	ctcaaccact	240

gatttcatca	aggatctaca	aaaagaagcg	atcgctggta	gcgttgaggc	cgcaaatccc	300
ctcgctcct	tggcagcatt	ccgtgcatac	atggccagtc	cagcgtctga	tgccttgctt	360
ccggccgaag	gtgaggattt	gtcggcaccg	ataacagatt	actacgtctc	atccagtcac	420
aacacctatt	tgacggggaa	tcagctgtac	agcgatgctg	cagcggccgc	atataccaac	480
gtatgtctca	cctga					495

<210> 7614

<211> 807

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (757)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7614

gtacttctga	atggtttag	atgtgtcgaa	atcgatgttt	gggacggaga	tgcggacgat	60
gacagcgtct	ctggtgacga	cacaagcagc	agcagcagta	gtagtagcga	gtggagctct	120
gacgaagaaa	atcccagtcg	tcgtaagaag	caggacgtac	aaaagacgga	tggtagcaca	180
cagtctgcta	aggcaccatc	gcgacgcaag	ggcctctcgt	ccaaactcgg	aagcctactg	240
ggccgcaaat	catcgctcc	taacggagca	actgataaac	ctgcgtcgac	tgctaccgct	300
gctgctgtag	gcactgcagc	acaaaccctg	cgccgtccgg	agccccgtgt	gcttcacgga	360
cacacgctga	ccaaaggaac	caagtccgc	gatgtttgct	atgcgattcg	cgacagcgct	420
tttgtggcaa	gtgatctgcc	agtcatagtt	agtttagagg	tgcacacatg	catcgagcag	480
caggcgacga	tgggtgaaat	catggaggag	gcgttcaagg	gaatgttgat	cgaagtcacc	540
ccggagcttg	aagcttctca	ggccccgcct	ccgttggagt	ccttgaaacg	caagattctc	600
atcaaggtca	aatgggtccc	agcgacaggc	gacggccaag	cggaggcgca	aaaggacgat	660
cagaccgaca	cgctcgatac	acctccctcc	gtaaatcagg	acggtgaacc	tgcaccagcc	720
aagccgtcca	agatcctgca	ttccctgagc	aggctancgg	tttttaccaa	aggattctcc	780
ttccgccagt	tcaccaaac	aggttaa				807

<210> 7615

<211> 1188

<212> DNA

<213> A.fumigatus

<400> 7615

cctcaccgcc	tggagagaag	cgctttcgga	caagatgtac	accaccgtag	aacaaatgac	60
gggcgctttg	cacatggcaa	ccaccgacac	agaatgcagc	ctttggccac	agcattgcct	120
tcaatggatg	ctactgatgg	cttcggtctg	cggcccgctg	gtgataatga	gcggttacca	180
agcatgcttc	ctggcttcca	caccggactc	acttctcagc	cagattctcc	gacaaccccc	240
aatgctcctg	tacagcctcg	aagcagcgca	caggctacaa	ttgcgaggca	acgtccgctg	300
ttgagacagc	agcagtcagc	atcgggcgaa	tccgatgatg	gaaacggaga	cggttctacg	360
atggatgaag	atcctgcttc	cacagaggca	gctgagccta	tcgttggact	gcagaataga	420
atggacatcg	atgacgtcgg	cgacagagac	acaatactag	gcggcgcttc	tgattcacac	480
gatctcacag	tgacagatcc	atccgaagag	caggaagccg	agaccttcaa	catcacacac	540
cgttccacag	tggacggcag	catgatcaat	accgacaacg	cccaaaataa	tgccgctctg	600
gggttatccc	ctaccagggc	agctgataac	gccaaactcc	ctgctcttgt	ccctagccct	660
tactcactat	actttcgcca	tcgaacaacc	acagccgctc	atgggtgttt	gacaaactctg	720
cccagagacg	aggacgttct	catgtccctc	caacttttgg	cttatgtctc	caagtactgc	780
aacctccggt	cctacttcca	gcactctcat	ttcgtcccga	aactcaagat	tgatcgcgaa	840
cttcaaatcg	tagagggaag	aacatctcca	attgagtttc	ctgaagatga	ggacgagtat	900
ctgcttctcg	atgatgtcaa	catcttccct	ctagttgaga	aatttaccgt	ccgtcaccac	960
tcaaaagaca	tgcagtactg	ggcttgcggtg	gtcatgcgga	atctttgtcg	taaggacgaa	1020
tctagaggag	gtatcaggca	atgtgcatac	tacaagtgcg	gaaagtggga	ggagtttcag	1080

cgtcaattcg caaagtgccg ccgttgccgc cgcaccaaatt attgcagcaa agattgtcaa 1140
 aaagcagcgt ggggtttatca tcgtcattgg tgccacagca cgcctga 1188

<210> 7616
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 7616
 ctagtcattc cacgctttcc gctaatacgt atcgcacaga tcccgaacga cttctttaca 60
 tcccgccatg acccccagaa cgggtcccaca ggctgcatac tccgctacct ctactacccc 120
 tcgatcttct caccgcgaac atcctcctac cagcacgacg tcgacgtgcg cgctgggtgcc 180
 cactccgact acggcagtat cacccttctc ttccagcggc cgggacagcc aggtctcgag 240
 atccggacgc cagatgggtc ctggggtcct gtgcccgtgc agccgggcaa cgccgaggat 300
 gctagtgcct acacgttccc gcctattctg gtaaacattg gtgatctgct gagctactgg 360
 accgacggtc tactcaagtc gacgatccac cgtgtcgtgt tccccttgct tgaacagcgt 420
 aacccaacc cgcaggacag gtatagtatc gcttacttct gtcacccggg agacaccacg 480
 gagttgggtc ccgtaccag taaagctgtc gtcgctcacc gcgagtattg caggaagaat 540
 ggtattgcca atgaacaggc tggcttcggg ggcggagcag ggaacatggc gccggggaag 600
 cgggctttga cggcctacga acatctcgaa tcgagactgg cggccacata cggattcaag 660
 aaggagtga 669

<210> 7617
 <211> 309
 <212> DNA
 <213> A.fumigatus

<400> 7617
 tcgctatcgc acagatcccg aacgacttct ttacatcccg ccatgacccc cagaacggtc 60
 ccacaggctg catactccgc tacctctact acccctcgat cttctcaccg gcaacatcct 120
 cctaccagca cgacgtcgac gtgcgcgctg gtgcccactc cgactacggc agtatcaccg 180
 ttctctttcca gcggcccggg cagccaggctc tcgagatccg gacgccagat ggttcctggg 240
 ctctgtgccc cgtgcagccg ggcaacgccg aggatgctag tgccctacacg ttcccgccta 300
 ttctggtaa 309

<210> 7618
 <211> 519
 <212> DNA
 <213> A.fumigatus

<400> 7618
 ctgctgtttg aaaaggggtat aatgttgcta accataccat tagggatcgc atatacgggt 60
 ccagatcttg atgccaaagg cgggatttat atcaactcga cagaaacccg caagagtatt 120
 acttgcatg aagctagtct gtcaaatggc aagacgggtt accagaaagg cgttgggttg 180
 acaacagcta tcatctcggg tttgggtctt gctgcttccg caatcacttc tgggtctcgg 240
 cactcaaata ccgctgctca tgttgacgcc aatgcgctct ctcttttcgg cttcatgcag 300
 tcgcaagcga tgttcggcat gatatccgtt gcaatgccgc cgatcgtcga agcatggacg 360
 cagaatttcc agtggaatat gggatcatc cacattgggt tcctggaaac cctttgtacg 420
 tgggatctac catcgaccgg tggaacgcct tcaacccttc tgtccagtt gtctaccacg 480
 ttccgtcaaa gtctgaaac gccgaaaacg ttccattga 519

<210> 7619
 <211> 492
 <212> DNA
 <213> A.fumigatus

<400> 7619
gctctattct cgcctccatc cacaaacttc ttccccgctg tgcagtgcaa gaacacagct 60
cgacagagcc ctgccaccat gcggttaatg tcgctgatca tcagcttggt cgctcgctttt 120
ctcgcaacac cgcttggtgc tgcgattagg ctcctcgagt ccaatgccct gaacctgtgc 180
caagacagtt cgaacttcac agcaaccttc ttcagtgatc ctttcacgcc caacaatcga 240
tcattagcct ttgcttttga tggagtcgct gcgatctccg gtaagggtac cgccgagctt 300
gttctcactg cttatgggta tgaagcactg aggaaagagc tggatccttg ccaaatgaat 360
ctggcggggc tttgcccaat gaacgcgggt cccatcgatg tccccagcgc caatatcatt 420
gtgtcagagg atgtggccaa acagattcct ggtgaggatg cctatactga ctgctgtttg 480
aaaagggtat aa 492

<210> 7620

<211> 186

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (162)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7620
ggtatctact cagcctctgg tcaaagcggg tccccgaaag cagagataga atatcaggcc 60
cttcgcacca acggccatat ggagtaccag atgcagaagt cgacaggcat ccctgcatgc 120
aacgtcgcca tcaattgctc catcccagac gcagtaagag cnggagatct tggagtttct 180
gcatga 186

<210> 7621

<211> 267

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (227)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7621
ggtagaacaa tcacagggca ttacatcgga agatacgcg attactttat ggggggcgca 60
aaagcgttcg aagccacaaa gaccgattac gtccggagcg gacaaggacg aatgaagcga 120
ttgacagttg aaaaggttct actgagagaa acagagattg ttcagaagca gatcaaggct 180
ttgttacgct gcgacgtggg tcttcacctt actgtgactg gtgctanac tgtgactgac 240
agttcgccat cagcttctga cagatga 267

<210> 7622

<211> 1257

<212> DNA

<213> *A.fumigatus*

<400> 7622
cgcgattggc cggttagagca ttattttgag atgtcgaggc cggacagcga gcgggctcta 60
gagatataca agaccttcac cgcacagacg gaggaggctg tgaagttcct ggggtgctgct 120
aggcactttc aatctgcaac cagattggaa atacccaaac tcaaacacgc ttcgacggac 180
ttgacgcgcc ttcttgagga tgatctcaat gacctgatt tcaacattcg ccgaagggag 240
tatttggctc gaaaaggcgc aaagaatggg ggagcagaca ctgcgttgaa gtccagtatt 300
actggggggc ctcagaatac cagtaatatg agttctgccc cgagccgccc acaaacagaa 360

ccgaaccgcg	agaagaaaac	caatcctgcg	gacttgattg	actttttcga	acctatcgaa	420
cccaatccgc	agcctacagc	acaaccaaca	aattttccagc	acccgtacca	agcacagcag	480
caacagcaaa	ccatgccctt	ccagccaacg	ggcttccagc	cgcagcagac	agggtcttat	540
acccaacaga	cgggcttcca	gcaacagcct	caaggggcct	cttttgggtca	accgaccggc	600
tttgaggaaac	ccttccctca	gcagaataat	aaccaatttg	gacaagcaca	agccccctcaa	660
ccactccagt	ctatgccaac	tggggccgga	ttcggcggct	actcggcaca	gccgcagaca	720
tatgggttcc	aaacccatct	tagccccata	ccgcaaagcg	gtgtcgcgtc	attttctcag	780
cagcaacaac	ccgcattggg	tgttcagcag	cagccgcaac	aacaatcaac	caatcctttt	840
aggcagtcaa	tgttgatgag	cacaccaaca	gggactgctg	tgccggcgctc	tccgttgagc	900
cgtcaaaaaca	cgaacccttt	tgccagacgc	ctatcgacgg	tgaatccaca	agttagttca	960
ggctcctactg	aagggaactca	gagtcacagc	caacaaccac	ttcggcctca	ccgaacaggg	1020
accaatccct	ttgctcggag	ctcctctgtt	cctccccagc	aaagtcaagg	actgcagcct	1080
ccagccgcag	cacccttacg	gccgaatcca	acgggaagca	cgaatccctt	ccgacagagt	1140
gcctttgtaa	accaacaaaac	cggccagggc	tggcatgtcg	gtggtcagca	gggtaccatg	1200
gggggacttg	aaaagctaga	aacagtgcc	gtctttccac	ggcccgggat	ggcctag	1257

<210> 7623

<211> 828

<212> DNA

<213> A.fumigatus

<400> 7623

caatctgtcc	tctccacgtt	gtgtgagaga	tgccttatac	aaaccgagtc	cgatctgttg	60
ctatatagat	actttcgacc	cgagggaaga	aagcggccat	ccagagttca	atattgcgga	120
aatatggacg	agactattga	ttcagaatcc	gtcctcgctc	ccgtgagggc	ctcgtcgccg	180
tccccctcca	tcccagcaac	gcctgcgac	tctcgtgtc	catccccctga	ccgtaccttc	240
tccaccattt	catccctctc	aacctcgctc	gccacatccg	ccgatgccag	gtcatcaatt	300
tcggtctctt	cgaaacgaca	tgggtacatc	cggccacagg	gagccgaatt	cgccgagtcg	360
gctaaaaatc	gcgagagtgt	gatgagtctg	gggagcattg	cccacctaca	gtactattht	420
gcgagaaccg	gtctgctaga	cggaaaggg	gggcatgcgc	gcgagtggaa	gaagaagaaa	480
aagcccagag	aggagcctcg	gctcctgttg	acacctaatg	ctcggttcat	cgatgatttg	540
acggagagcc	cgacggagga	atatagttca	gatcttggtg	aggaggaccc	ggaagacgag	600
atgatgtctc	cgccgacggt	gagcacgtac	agcgtgaaga	cgcacatata	tccgccaccg	660
cgggatgttc	tggcgctgcg	gaaggatttg	ctccatgcgg	tcgaccaagc	cgagaaaacc	720
ttccgggacc	tgtactccca	gaatggacct	ccgcccgat	gtgatggccc	ccgcggatca	780
gtggtttctc	cagaagatcc	cgaagtgat	ttccccgccc	aggctccg		828

<210> 7624

<211> 318

<212> DNA

<213> A.fumigatus

<400> 7624

caatcatgtt	ctacaggcgg	caaaggaggc	aagggtcttg	gcaagggtgg	tgccaagcgt	60
caccgtgaga	tcttgcgtga	caacatccag	ggtattacca	agcccgtctat	ccgccgtctc	120
gcccgcgctg	gtggtgtcaa	gcgtatctcc	gccatgattt	acgaggagac	ccgtggtgtc	180
ctcaagtcct	tctcagagtc	cgatcatcgt	gatgccgtca	cctacactga	acacgccaag	240
cgcaagaccg	ttacctcgct	cgatgtcgtg	tatgctctca	agcgtcaggg	ccggaccctc	300
tacggtttctg	gtggctaa					318

<210> 7625

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 7625

gactcgtatc	aactgtacta	tagatatgat	aatccaccac	cggagaagga	ctggaagaga	60
gctgcactac	gtggtccggc	tttgccctgcc	gttggaatg	cagtcgcggg	ggccgtggga	120
gcggctatat	ccaacgttgt	cacatacccg	ctcagtcctga	ttgtgactcg	actacagacg	180
caggcacaac	gaaggacgaa	gaaaaagaac	aagtcggaat	ccgaggacct	agacgaggag	240
gaagatgagg	agtacaccga	tgtgcttgac	gcaacacgca	agatttatgc	caaagagggc	300
ctggggagtt	tctacacggg	tcttgcaaca	gatacgggtca	agacagttgc	ggactcgttt	360
ctgtttttcc	tcgcgtatgg	ttttttcagg	cagcggagga	tccgggctcg	gtatggcgat	420
gggcccgggt	cgaagcatgt	cgtccttccg	attctcgatg	agttggcgat	cggtgtgctg	480
gccggcgcat	ttgcgaagct	ctttaccacg	ccacttgcta	atatcgtggc	gaagaaacat	540
gcggcgctctg	ggaaaaaagc	tctttcgacg	aaggatatcg	ctgcgcggat	caagacggaa	600
aaagggctga	gggggttctg	gtccgggtat	tccgcgtcgc	tcatctctac	actgaatccg	660
tccatcactt	tcttctctgaa	tgaagtcttg	aagtatgcac	ttttgtctcg	gaaaaagcgg	720
ggaaaacctt	cgccagcgac	gactttcctt	ttagctgcca	ttagcaagtc	cgctgcacgc	780
tcgatcacat	acccgttttc	catggccaag	acaagagcgc	aggtcgatgg	ctcggggaat	840
agcggaaaac	caagcattaa	gagcgtctcc	gaggacggga	tttcgtttgc	acctcaaatc	900
attatggatg	tgctggctat	tgcacgcaac	gaggggtgtt	ccgcgctgta	tgccgggcctc	960
cccggggaag	ttctcaaggg	tttcttttcg	catggcttta	ccatgctagc	aaaggatgcc	1020
gtctattcgc						1029

<210> 7626

<211> 1392

<212> DNA

<213> A.fumigatus

<400> 7626

acgcacccca	caaggctctc	tcaaacagtc	gagatgtcgt	catctccaac	cagacgagaa	60
aggattcacc	ttgacggccg	caccctcgaa	ggaggaggtc	aactcgtgcg	catcgcgggtg	120
gccctgtcca	ccatcacggg	ccaacccatc	accatcgagc	acatccgcgg	ccaccgcact	180
ggcaagaagg	gtctcaaggc	atcccacctg	gcagccatca	agtatctggc	agacgtcagc	240
gggagcgccg	tctccggcgc	cgaagtgggc	tcgtcttcat	tgacatatca	ccccctccca	300
gacgcagaga	cctgcgttcg	gcaacagcaa	gagattgaca	tccgccttcg	aacggctggg	360
gctatatcac	tggtcttcca	ggctttgtat	ccgtatattc	tccatacagc	cagctgttta	420
gcagtcgccg	aaccaaacc	acagcccgtc	cgtgtgagca	tcacaggagg	gacaaatgta	480
tccttttgcg	cgtcgtatga	ttacatctcg	caggtcctgg	tgccgaatct	cgccagggtc	540
gggctgcgcg	ccctcgcggg	ccatctggag	aagagaggat	gggccactgg	cccgtttagc	600
ctgggggaagg	tgacgttcgt	ccttcactcg	atggacagaa	acgaggagtc	tccgtatggg	660
tttccacgag	tcgatctgga	cagatacccg	cggggcgaga	tcacgcaggt	tgatgtcacg	720
gttctggcac	cggatacgcg	tttggttcgg	ggatctgggt	agcacgaagc	tcgaaagaag	780
ggcaattcgc	agatatcgga	cggtacatct	cagtcctataa	ctctccgcca	agtcacgcag	840
tatgagacca	tgccgcgtgt	ggcgaactga	ctacgacagt	taccttcttc	gatagtcaaa	900
cgagcaaggg	cagattctcc	attcgccaga	acatacgaaa	acgatgagat	tgtacctatc	960
agactgcaca	cctcagaaag	aacgcaccac	cactcacata	tctacattct	cattgtggcg	1020
catacatcga	atgggttcag	gcttggtcga	gatacgtttt	tcggcgctca	cggggaggat	1080
tctcatagaa	agtcagggtg	cagaaagggc	cgaccaacag	acgatagggg	tatagctctg	1140
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agtacatccg	agggacgtca	gccttggtg	gacgagtata	tgcgagatca	gctggttata	1260
ttcgaggcgc	tcgggaagtc	tacgtccaag	tgtgaagccg	atggcagggg	aaaagaggat	1320
gagagatact	gcagtctcca	tacgcagaca	gcacgggtggg	tatgtgagca	gatgttggat	1380
gtggaccagt	ag					1392

<210> 7627

<211> 609

<212> DNA

<213> A.fumigatus

<400> 7627

caggaccagc	atgacgaccg	atatgccatt	gccgaggaat	atgtgagagt	aacctacaaa	60
ctgtgggagt	cgtcctggcg	agacgatgct	gttgctctcg	atcgtgagcg	cggaatctac	120
accgatccca	gccgtgtgcg	ggaaatcaac	cacgagggca	aatacttcaa	cgtccccggt	180
ccacatctgt	gtcaaccgag	ccccagcgca	accccagtca	tccttcaagc	gggcacctcc	240
aaggcaggaa	agacgtttgc	cgcacagcat	gccgaggcga	tcctttgtagc	cggacacagt	300
ccagtagtgg	ttgccaagaa	tattgcagag	atccggggcg	cggcgcaggc	acagttcggg	360
cgtgatccca	aaagcatcaa	attcttggcc	ctgtttgtgcc	ctgttttggg	ccggacggag	420
gaggaggctc	gcgaaaaatt	ccagtactac	cgcagcttgg	gctcgatcga	tggtgctttg	480
gcgctctttg	gcgggtggac	gggaatcaac	ctggatacgt	acggtgatga	cgaagagctt	540
cgacatgtcg	agagcaatgc	aattcgggtg	gcttctatgg	tcgtcgaaac	cagagatggg	600
gctaattag						609

<210> 7628

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7628

ccgtctagct	ccgcggtcga	gggctgggtcc	aaatcgacac	cagaagtcgc	gaaatggacc	60
aagtcaactg	tgggtcagca	tatcacagtg	ggaggtctgg	gtgccacccc	agtaggcacg	120
ccagcccaag	tagcggacga	gatggaacgc	tgggtcagag	aagccgatgt	cgacggattt	180
aacctgggtga	gttgccttgc	agacgatcac	tcacaccgca	gctga		225

<210> 7629

<211> 237

<212> DNA

<213> A.fumigatus

<400> 7629

caaggaaagg	cctatgccat	caagccaggg	tccttcaagg	atatcatcga	cctgctgatt	60
cccagagcttc	gtcgacgcgg	attgttctgg	gaggattatg	ctgtcgagag	gggaacgtat	120
cgggagaatc	tgtatggcaa	gcctggggcag	acaggtcccc	cggcggatca	tcctgcgctcg	180
aggtaccggg	ggcatgcagg	agtagacgct	gccgatcata	agattccccga	aaactag	237

<210> 7630

<211> 756

<212> DNA

<213> A.fumigatus

<400> 7630

cttgggtccat	ttcgcgactt	ctgggtgtcga	tttggaccag	ccctcgaccg	cggagctaga	60
cggctaatta	gcaccatctc	tggtttcgac	gaccatagaa	gcccaccgaa	ttgcattgct	120
ctcgacatgt	cgaagctctt	cgtcatcacc	gtacgtatcc	aggttgattc	ccgtccaccc	180
gccaaagagc	gccaaagcac	catcgatcga	gcccagctg	cggtagtact	ggaatttttc	240
gcgagcctcc	tcctccgtcc	ggcccaaaac	agggcacaac	agggccaaga	atttgatgct	300
tttgggatca	cgcccgaaact	gtgcctgcgc	cgtcgcccgg	atctctgcaa	tattcttggc	360
aaccactact	ggactgtgtc	cggctacaaa	gatcgctctg	gcatgctgtg	cggcaaacgt	420
ctttcctgcc	ttggagggtgc	ccgcttgaag	gatgactggg	gttcgctggg	ggctcggttg	480
acacagatgt	ggaccggggga	cgttgaagta	tttgccctcg	tggttgattt	cccgcacacg	540
gctgggatcg	gtgtagattc	cgcgctcacg	atcgaggaca	acagcatcgt	ctcgccaggga	600
cgactcccac	agtttgtagg	ttactctcac	atattcctcg	gcaatggcat	atcggtcgtc	660
atgctgggtcc	tgtagagaa	ggctagcggt	ttggggatgg	agcctacctg	tggttgctgg	720
gcatggccca	gattccgagc	tgctgagtcc	agatag			756

<210> 7631

<211> 243

<212> DNA

<213> A.fumigatus

<400> 7631

atggctggac	atgcttaca	tagctctaaa	agatacgggtg	ctgaatcgaa	tgatgcttgt	60
aaagcaacat	tgacagatgg	gctgccacag	accaaagggg	taaacgcagc	cagtattaca	120
aggcaaagcc	gccacgatgt	gacggagcct	aagcctatag	ccatgattga	agcaaggctt	180
ctaattccaca	ccttctttgt	cgcactgttt	atcaagttgc	tatgtggaac	ggcagccgaa	240
tag						243

<210> 7632

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7632

tatgctatgg	tgtgcagaga	tccgcgagaa	cttcccttcg	atcgtgtgct	aggagattta	60
tcgctccac	cggctgttct	ctatgccgat	attgcgtctc	ccatgttcaa	ggactttcat	120
cataccttga	gtgcgctcgc	caaggacggg	caggtctcgt	atcgtgtgcg	ctaccgacca	180
actcagcatt	ggatatctcg	tccctctctt	gtgtctggct	atgggtgtc		228

<210> 7633

<211> 1965

<212> DNA

<213> A.fumigatus

<400> 7633

cactctatct	gtctatctat	cgatttggtt	ctctttttct	tgtttcatcc	cctttttctt	60
cttgggtctc	tttgtccata	taaacctccg	ttccactgtt	ttcctctctc	acaactaccc	120
actctcagat	accgaccatc	acataggtcc	cggcctacct	tatcaacgca	ctgtgagcgg	180
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gtccgtctcg	tcacgcagga	gtctacatca	cggctgaatc	agtccacacc	agcggctcct	660
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tggcagtatg	agcagttcaa	tccccgccgg	cggggtgacg	tgcgtccgag	acgtcgctcg	780
agtgtgcagc	gtcagctgga	cacggtagag	gacgagagc	aggttgatat	ggagtatgat	840
cgctggcgac	gtatcgagaa	atggagaatg	gaccagagcc	gggcgctctt	gcaagagatc	900
gaaagggaga	cacgacggcg	ccgacgcaat	agccgggtca	gtgtgcagac	cgaccaggtg	960
acttctcgac	ccattgttcc	aggcacgtct	gatggtgcct	tggagacacc	gaaggaagat	1020
tcgttgcaac	cgcaccagga	gtctgaggag	gaogagtcct	tctggcgacg	catcacccca	1080
aaggtgattc	gggacttgat	tggcatcgac	gactctctgc	tttctgtcat	tttgggcgag	1140
tcgctgccaa	atatgggggtc	ggaagacaat	aaatcagcag	gaaccgacaa	cagtctcgac	1200
ctgagcaaga	cacttggggga	gctggactcc	atgccggatg	agcaaggtct	ttggcagagc	1260
aaattacttc	agcggatcgc	acgcgaattg	ggcatcttgg	tccaccatct	ttgcgaacac	1320
cccggcgcc	ttacgacata	tctcaacgtc	acgaatgaga	taccaagcga	gtatgcaggc	1380
ataccacttg	gccgtctagc	agaggagaat	gaagctgcac	cacagggtgc	atccgccgaa	1440
cctgcctcc	acaccgcgat	gagcagtcag	gattcaatga	tgtcaccaca	attttcgctt	1500
acgatgcgac	atcccaccag	cagagaacat	gccgcacact	ggggcatcga	ggacgaagag	1560
gacgcaagcc	gcgagccact	cccgaatcc	acacgactcc	agcaagaaaa	ggagtactgg	1620
gagcgcgagc	tggacgtgat	gatggttttc	cgctaccttc	gcaaccgctt	cggccggcga	1680
ggtagcaacg	cggacagcac	ccatgcatgc	tcacgtcgtc	accacagga	tgctgtctga	1740

cgcgcggttaa	tcatccgccca	gcaccaaccc	ctcgtcgcag	gggctcattc	acgctctcaa	1800
accagctcc	gacgtcagtc	ttggcccaca	agctttactt	ccccgctgc	tccgtcaaca	1860
cctccacca	accaattcca	gctggcgca	agccataaaa	aactctctgg	ctctctccaa	1920
ttcggggtaa	ggctccccc	tttccaaacc	cggaattact	gggaa		1965

<210> 7634

<211> 201

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29), (43), (83)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7634

accgtttggg	ctggagggt	ttctcctcna	acaattatcc	tcnggggaat	taataacccg	60
gtgaattccc	tcggggggt	ttnaacaact	gccttaatct	tttaccctgt	tctggccctt	120
caaaatctgt	ccaggaccaa	taaagaaccg	tcccctcctc	cttttaactc	ccgttggttt	180
agaattgtat	caaccaattg	a				201

<210> 7635

<211> 474

<212> DNA

<213> A.fumigatus

<400> 7635

ccagtactga	ccaacggaac	agtgggtgac	cagctttgga	tgtcccgtt	cctgctccac	60
cgcgtcgctg	aagaattcgg	tgtcaagatt	tctttcgagc	ctaagcccat	caagggtgac	120
tggaacggag	ccggtctcca	caccaacgtc	tctaccgccc	ccactcgtgc	tgaaggcggt	180
ctgaagggtca	ttgaggctta	catgcagaag	ctggaagctc	gccacaacga	gcacattgcc	240
gtttacggtg	agggcaacga	agagcgtctc	actggccgtc	acgagaccgg	cagcatcgac	300
aagttcagct	atggtgtcgc	cgaccgtggt	ggcagcattc	gtattccccg	ccagggtgcc	360
aaggacggca	agggttactt	cgaggaccgc	cgtcccgcga	gtaacgctga	tcctaccag	420
atcaccggta	tcatcgtcga	gactgtgagt	ttgcacctt	taataccaag	gtga	474

<210> 7636

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (50), (182), (225)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7636

cacttctcct	tgggaatgac	gggttggcct	ttatgggggg	gcccagggn	gggtttccca	60
gttgccccag	gttctttatt	actgcggtgt	tggaaactggc	caggttttac	tgcgtggaca	120
ttgttgaggt	tcattacggc	gcctggcttg	tacgccggta	tcaagatctc	tggtatcaac	180
gnngaggtca	tgccttccca	gtgggagtag	cagggttggtc	cctgncaggg	tattgagagt	240
acgtcataa						249

<210> 7637

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7637

cccgaactgg	ccatatgtga	ggctgttcta	agcagtcaat	ctgccagact	tcccaccgct	60
acctcgacga	tcccatatga	ctctggcctg	tatacctttg	gaaagggtatt	agtgtctgct	120
gagcacttgc	aatggcttta	ttctacagac	ccatgggtga	gccattgcct	ctttaacacg	180
tttggctag						189

<210> 7638

<211> 705

<212> DNA

<213> A.fumigatus

<400> 7638

gttatcaact	cttctgactg	catccaggct	cctcccagcg	cacggggatt	aggcaggctcg	60
ggccctcgaa	gaagatccgg	gtgcctgaca	tgtcgagcgc	gaaagggttcg	gtgcgatgaa	120
gcgaaaccaa	tctgtgccaa	ttgtacccgg	cttcggctgg	gttgtgttta	caagacgatt	180
gtgcctgcag	ccgtcccgcg	gcaggctaata	ggccccacag	cttctgtgac	ggggaatccg	240
accgcaaacg	cctttcagag	accagatgcg	ggctatttca	gtacagtact	acgaccagat	300
ggacaacagg	cctatcggcc	gccgcaagca	tctaagtctt	cacaattgcg	atctgtggat	360
aatgcggcga	cgtcacctgg	accatttgat	atgcttggtt	tcatgagcga	gattacgtcc	420
gagctggagc	gcaagcacct	cgatttgacc	aacggggttat	ctgaatttac	cagttcaacg	480
tcttgcaagg	cgtcgaacga	cactgcaaata	gtaccgcata	ctgatcgatc	gatgagctgc	540
gactcatggt	ttcattcaaa	gggaacgcaa	tcacagcctc	ccgctacgga	gggtttgtgg	600
ccggagaccg	gagccgcgta	tgaggagcat	ctgctggcat	ctttcctcag	ctccgagccg	660
cccgcgacga	tattcggacc	agtgaacctg	gaatggaaat	atgtg		705

<210> 7639

<211> 876

<212> DNA

<213> A.fumigatus

<400> 7639

gtgtacaacg	cgataccaga	acttgtgcgg	acagcttcag	tcccgacaga	tgatggatac	60
agagctgtcg	aggatgcgcg	cgaacatccc	acggcgaacc	aaaagggtat	cattaaaagt	120
gcaattcacc	ttgtaaagcg	ggctgcttct	ccctggcgac	agtatgtggc	tagtccagtc	180
ttcctggcgt	ccttcgcctt	gagcctgctc	tatcttactg	ttctctcctt	tggcaccacc	240
atggtcacat	atctcttgca	tatgggtttt	gacccctctg	aggtcagctg	tatgagaatc	300
gggtgccgtgc	tgcgagaatt	gtctggcaca	tgggcagcac	cgttcatcat	gggcaggatc	360
ggaccgatta	ggtcagggct	gtggttcctc	aactggcagc	ttggctgttt	ggccactgca	420
gcagtcgctt	ttgccttgta	cgactcgaac	tctcggttgg	tagcagttag	tctcatcctg	480
ggagttgctt	tgagtcggat	tggccttttg	ggttttgatt	tgtcggttca	atttctcgtc	540
caagaggtaa	tcactttctc	ccctgagggc	tgtaccaga	ggttgctaata	gtttatcaat	600
aagggtgttg	aagaagatac	ccgggggcga	ttctcctcaa	ccgaaatggg	cgtacagaac	660
gtctttgaga	tgtgtgcgtt	tgcaaccaca	gtagtctttc	ctctccctga	gcaattcaag	720
tatcccgttt	ttatcagtta	cggggcgatt	gcactggcag	ccatatgctt	tgccgcatac	780
gtgagaaaag	agcggggaca	tttgctgcac	atatccaggt	gctgggggtg	cgataaaaatg	840
cgaaggctcgt	atcaggcact	tcctggaggg	ttatga			876

<210> 7640

<211> 489

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (472)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7640

ctcgacatgt	cggatcaaca	acaccatcag	gatgccatgc	ggaggttctc	cttgggaact	60
ggccagggcc	aagtcgaccc	cctggacctt	cccctccgcc	aagtcaccaa	cgatgcgaac	120
atggaagagt	acaccacgga	gactgcggcg	ggagagatca	tcaagccagt	cagatcttct	180
gctaccggca	aggtagagga	ctggaagctg	gtcacattca	aagtcgatga	tcctgagaac	240
ccaaagaact	ggtctaaggc	ctacaaatgg	tactgcacta	tggttgtctc	gttcacctgt	300
ttcgtcttgt	cctttggcaa	cagttttgat	cctgccgact	tggacggggc	cccaaagggc	360
accaaagtat	actcacgaac	cgggctagta	atagaatccg	cacttgttac	aaacccccgg	420
tgggtgcgac	tgaaagctga	aaaacaatcc	cccggtcctt	ccggactaat	cngcccatgt	480
tgtggcgac						489

<210> 7641

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7641

agacctgtac	gcgtgacgat	tgccgatgag	aaagcagcaa	aggcaggccg	cggcgcctgg	60
actctggatg	gtaagatgat	tgacatccct	gttgccggaga	aagcacgcgc	gatcgtgaag	120
aaggcggggg	cttgccgatt	taatgtgaag	gaattgcaag	ataagtggca	gcatcaagag	180
cccgaatga						189

<210> 7642

<211> 597

<212> DNA

<213> A.fumigatus

<400> 7642

aatgcgcaga	ctaacatata	tctcagcgct	gctcaagcct	ggaaccggaa	cgacgcctaga	60
gccgccaaaag	ctttgtctct	tcgaggccag	gcagaaaacg	aagcgatgcg	taggtgccac	120
cgcgaaagcgg	cacggcaatt	gtacgaagag	cggacaacag	accttcttag	cgccggtttg	180
gatgagtcgt	ccgaagaact	ttacgtcgac	cttcatggcc	tgcacctga	agaggcaatc	240
gaatatttag	agaagatcct	tctgaagcat	gctcgcgagg	gacgatgcgt	gatctacgcc	300
attacaggca	cgggccatca	ctcgaagaat	ggcaaagaca	agatcggaaa	ggccgtcaaa	360
gcttggctca	acgagtggaa	gtacctctac	cgcgagttta	gtgtgcccgg	agagagggga	420
ggatatgtag	gtggcatcct	gggaatcgac	ccgaccagct	atgacaagac	tcttgccaaa	480
agtctagaag	aggggtgagga	tgggaagggt	ggtgacagca	atggtagtca	acccgtaatg	540
acaatgggca	agattcaact	gttgaagcgc	gaggatctgg	agtcgaagag	ttcataa	597

<210> 7643

<211> 1293

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (55)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7643

atggaaattg	ggggggtagc	cgatgccgaa	gctctggtgc	ctgatatgac	cactntatat	60
gggatccctt	ttcgtgcccg	aactcagggc	ctattggtat	acgccaaggc	tctgaactgt	120
gactgggagg	gagttgacgc	aggactgcaa	gagatgcaca	aactcaagct	gacgagacgc	180

cggcgagact	tccttcctat	ttttgatcga	atatttctgg	agtactgggt	ctcacattcg	240
ggaattgaga	ttcgcaattt	tgtgttccgg	taccttgata	aattcgacat	tgtccccgat	300
cgcgtgctct	acaagcacat	cttggaggct	ttcgtggaga	aaggagacaa	ggaaatgatt	360
gctgaattta	caagtatggc	gaagcagcga	tcggtggaata	tccccataaa	cgagcagcaa	420
ttcttgagaga	tactacggtc	tcgtcgccctc	gcattggaag	gagcaccagt	ggggttctgg	480
caaatgctgc	aggcagcgcg	tgtcaagtac	gggcacagct	ccacgtctca	gcgtatcatg	540
ggctacgacc	aacagtcatt	ccctttgcog	gaagtcaaca	gcatgccata	tacacagaat	600
ccgctatcgt	ggtaccagag	aacgatgcaa	gagaccacgc	cgtcgaagcc	tgtcgaccaa	660
tatcagaaac	tccataagca	gatgacccat	tttctgcacg	ctggaaagct	gaaggaagca	720
ttgaagtgct	ttcaaaatgc	taaaaatgcc	cggttccaga	tgaggcagct	tcacgttgaa	780
ttggcggctca	tagcgacttt	gcttgaggac	ggccttagtg	cagcgcgcag	tctcatcgag	840
tctgaatggc	ggactatccg	tcaccttgtc	cgttctctct	ctatcttctt	tcgtcaagtc	900
atggcggctcg	acgaggatgc	gggtggccac	attgtccaga	tggcagtcct	acgcttctac	960
cagctttggt	ggtctacgaa	acacatgaag	gtcaagcatc	accttactgt	tgcgacaagc	1020
cgtcgcttga	tctcccaaca	taagccggaa	atggctctgg	agcttctgac	ggcgtgtac	1080
aagtcgccgt	ataggtttgc	agcgaccttt	gacgggggtt	gcatgaagat	gtttgcgcgc	1140
gccttcgccg	cgacagacaa	cattctaggc	ttacgatggg	gtattcttac	tgctttatca	1200
cgcgatagtg	cactcaatca	tgattttgtg	gtggaagttc	gccgaatctt	gggcactcta	1260
agtccacctt	ccgcgtcttc	accacggggc	tag			1293

<210> 7644

<211> 564

<212> DNA

<213> A.fumigatus

<400> 7644

ttcatttttaa	tagataagcc	tcggcgctact	aaccgttatc	tgcaaaaata	tagggaagac	60
gcagaagcca	agagagccga	agccgctcgc	aggaaggccg	agcgagacgc	cctcctcgcc	120
gccgaagaag	cctcgctacc	ctccaagccc	aaaggtgccg	gcgccaagca	agcacagaag	180
aagactcgtg	gtttggattt	atcacagctg	gacgatgagc	ccgccagccg	caaggctgct	240
gcgctcaacg	cctcgggtat	cgataatgcg	ctagatgcgc	tctccctgac	cgccaaggac	300
tcgtcgaaga	tcgaccgtca	cccggagcgc	cggtaaaaag	cggcgtatgc	ggcgtatgag	360
gcgcgcgggc	tgccagagat	cgaaaaggag	aaccctgggt	tgccggagaaa	tcagcgtgtg	420
gagctctgca	agaaggagtt	tgacaagagc	gaggagaacc	cgttcaacca	ggtgcatgtg	480
gcctttgacg	ctactcggga	agaggttgct	gctgctaggg	aggccgagag	aagggaaggtg	540
gaggcgagac	tggtctagtag	ataa				564

<210> 7645

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7645

cctgtcgggc	atggagcgat	cagaccactg	caggacttat	gggggatgcc	gatcccatgc	60
gtggcggtcc	ccgcgggccc	ggtaatgggc	atggagctgg	ggcgtatgaa	tcggcatacc	120
gagtttggtta	caggtgttga	ttggtgtctt	tttggcagtg	aaggatgggtg	tgcgagcgta	180
gggtgggatg	agaacctgta	tgtttgggat	gtgcgagcag	tgatgggata	a	231

<210> 7646

<211> 216

<212> DNA

<213> A.fumigatus

<400> 7646

tgggataaag	atgctatgat	ctattgttct	ccagttccac	ctaccctgta	ttggttattt	60
agattaccac	gagataccat	tatgacacgt	ctgcggggaca	gcgatttcac	cttcccaaag	120

aaatcacacg aatatgtgaa gttctgtgtc aacgaaatat ctcccacaat tttgttttca 180
tcaaaatcaa gtcacgagat ctatccgata aggtaa 216

<210> 7647

<211> 747

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6), (41), (45), (57), (65), (108)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7647

cacttntacc	ccctaacc	ttttgtcag	ggctcagatt	ntggntccat	ttccttntgg	60
tccantcaca	agagaagcct	tctccacacc	atccaatgcg	ctcacggntt	agaccttctc	120
cttccgctag	acgagctttc	agctgaggtc	gatcagaagc	tcgcggaactc	aaactcccgt	180
ttttttcggc	gcatgccccg	ctggatcaca	gctttggcaa	cggttcctgg	caccgacatc	240
gttcttagcg	gcagctggga	cggcttcac	cgagcctgga	aggtttccga	ggacaagaag	300
acaatcatac	cgcttggccc	cgtcggcgga	ggaaagctcg	gttctgcgac	acaggacaca	360
ccatctcgac	agctcaaaca	gactctcgag	tttaacacag	ccgccgacgc	ggactccatg	420
tccgtcgacg	aaccccagaa	tcaacacacc	gaggacacca	agaacgaagc	tgaacctctc	480
atcaaggggtg	tcatcaacga	tattgccgtg	tttgagcgtc	gtgccgacac	ggccaaaccc	540
ggccaaggcc	aggccgagtc	caagaccaag	accaagtcac	ccgaaccgga	gccccgcggt	600
ctctgcatcg	tcgctgctgt	tgggaaggaa	cacaggttcg	ggcgctggaa	gtgctttgcg	660
aacaattttc	acgagggatc	tgcagctgac	ggccgcaacg	gcgcggtggt	ctttgaagtt	720
ccctttatct	ctgacagcaa	gcagtga				747

<210> 7648

<211> 831

<212> DNA

<213> A.fumigatus

<400> 7648

acgagctttc	agctgaggtc	gatcagaagc	tcgcggaactc	aaactcccgt	ttttttcggc	60
gcatgccccg	ctggatcaca	gctttggcaa	cggttcctgg	caccgacatc	gttcttagcg	120
gcagctggga	cggcttcac	cgagcctgga	aggtttccga	ggacaagaag	acaatcatac	180
cgtctggccc	cgtcggcgga	ggaaagctcg	gttctgcgac	acaggacaca	ccatctcgac	240
agctcaaaca	gactctcgag	tttaacacag	ccgccgacgc	ggactccatg	tccgtcgacg	300
aaccccagaa	tcaacacacc	gaggacacca	agaacgaagc	tgaacctctc	atcaaggggtg	360
tcatcaacga	tattgccgtg	tttgagcgtc	gtgccgacac	ggccaaaccc	ggccaaggcc	420
aggccgagtc	caagaccaag	accaagtcac	ccgaaccgga	gccccgcggt	ctctgcatcg	480
tcgctgctgt	tgggaaggaa	cacaggttcg	ggcgctggaa	gtgctttgcg	aacaattttc	540
acgagggatc	tgcagctgac	ggccgcaacg	gcgcggtggt	ctttgaagtt	ccctttatct	600
ctgacagcaa	gcagtgattg	gaacacattt	gctgaatggg	gcattggagc	atgcattttg	660
catgcacacc	ttatcatgag	ggcatcggtt	gcacagatga	agttccgcaa	cccacccaga	720
gtagatttat	ggtatcgaaa	gactcgtatg	ccgcgtcgat	ttgtttgcat	cttcctgtac	780
tgggaaaata	gtccggcggtt	cggtaacgctc	cctagccttc	aatgtacata	a	831

<210> 7649

<211> 471

<212> DNA

<213> A.fumigatus

<400> 7649

gagccactca	gcaatgcaga	cgggtcattg	aacgcagcag	acgcacgcgt	gggtgccgga	60
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gccggagcgg cgggtgaggg ggtggcaggt acagccggag cagaaggggc agcagacggg 120
gcaggagcag atggtgcagc aggcgtggag gcagcagctc tcgaagggtg cgaagggggc 180
tgtgaagggtg tagcggcaga cgaggagacc ttgggctgta taagatggta cggtcagatg 240
cagtgtctcag agtctttcaa tggcgaggcc ggtgtcatta ctttcgatac catgcatact 300
atgaaaccct tctcctcaat gttgtatgtc tcgatgggtc tgtcatcttg gaggattttc 360
cctgcgagtt attcagcgaa gcgtcagcga gataagctaa gaaaaagcag aagcaaagga 420
cacaaaaaac aacaattgac tgtgccattc cagcggattc ctgagaaatg a 471

```

<210> 7650

<211> 264

<212> DNA

<213> A.fumigatus

<400> 7650

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aggagaagat ttccaaggaa aaaggatggg aggtacctca gctcaagctc atctattccg 60
gttagtctga caatgatcac cctgggtttt gtcatttctc aggaatccgc tggaatggca 120
cagtcaattg ttgttttttg tgtcctttgc ttctgctttt tcttagctta tctcgctgac 180
gcttcgctga ataactcgca gggaaaaatcc tccaagatga caagaccatc gagacataca 240
acattgagga gaagggtttc atag 264

```

<210> 7651

<211> 396

<212> DNA

<213> A.fumigatus

<400> 7651

```

ccgtaccatc ttatacagcc caaggctccc tegtctgccc ctacaccttc acaggcccct 60
tcgacacctt cgagagctgc tgcctccacg cctgctgcac catctgctcc tgccccgtct 120
gctgccccct ctgctccggc tgtacctgcc accccctcac ccgcgcgtcc ggctccggca 180
cccaccgatg cgtctgctgc gttcaatgac ccgtctgcat tgcctgagtg ctctcagagt 240
gaggctgtca tcagtcaaat ggagagcatg ggcttcccca gaagcgatat caaccgtgcc 300
atgagagcgg cgttcttcaa cctgatcgt gccattgagt atcttttgaa tgtgagctgt 360
cacctgctgt actccacgtg cgcttcacat gactag 396

```

<210> 7652

<211> 480

<212> DNA

<213> A.fumigatus

<400> 7652

```

ggaatccccg acaacatcca acaagagcag cagcaacagg ctgctgcagc cgccgcggcc 60
ccccgccgct ccgcccttcc cggagagagt gctccctcgt cgaccggcgg tgatgagcca 120
gtgaatttgt ttgaagccgc tgcccaggcc ggcaactggg agggcactgg tcgtggagct 180
cgtgccggtg ctgtcggagc tggggaagga ctgccaacc tcgacttctt gcggaataat 240
cctcactttc agcagctccg ccagttggtc cagcaacaac cacagatgct ggaacccatc 300
cttcagcaag tcgccgctgg gaacccccag attgcacagc tcacgggtca gaacgaggag 360
cagtttctcc agctcttgag tgaagaggat gatggcgccg tgccctcagg caccatgca 420
atcagcggtta cagaggagga gagagacgcc attgaacgcg tacgtacttc tccatactga 480

```

<210> 7653

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7653

```

gaaagagatc ctctgataa acacagaagt tcattttgcc aagtcaagga acaaaacggg 60

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cagaccatcc	ataccgcttc	tctgcectat	gtcctatgtg	tagtgccctcg	tgccatgtcc	120
cacaccgtta	agatctgcga	gcaaattggca	gcgattgacg	gtgtgcagtc	tgctccacta	180
tcagccagcc	ctgacggcct	tagtgccctgg	ggtcattgtt	caataatcgc	acagggttaa	240

<210> 7654

<211> 312

<212> DNA

<213> A.fumigatus

<400> 7654

ctaataagacg	ggcagggtata	cogttaccga	gaaaagagcc	ttcagcagaa	gctggagata	60
ctctaccaac	gcaatcttta	cattttggcc	atcaacctcg	cgcagaaaaa	gggcattgac	120
gctctacagc	agaatgccat	ctatcgcaag	tatggcgact	tcctctatca	gaaaggcgat	180
tacgacacag	ccatgcagca	gtacctacgg	gctattgaca	atactgaacc	gtcgcaggtt	240
atacggaagg	tattaccgct	tgcacttggg	aataagtcta	tataacctgac	tggtattgatc	300
gcagtacett	ga					312

<210> 7655

<211> 594

<212> DNA

<213> A.fumigatus

<400> 7655

cagtcgtgtc	cttgtgattt	tccagggcta	accagggata	aggcctacca	taatctgatg	60
aaatatgccc	gagtattgct	ggcaaattgt	cctcaagaga	ctacgggaact	tttcatggcg	120
tactacaagg	ggcagtatcg	accaagaaca	gaggtggagg	tcccagctgc	acctcagaca	180
caaccaacca	gtactttgca	aagcttggct	ggtttccttc	ctttgtcttt	gattaacgcg	240
ggttccggga	cgaaggctga	aaagaccaag	gatattgttg	atgaggagac	aaaaattgaa	300
agaccgacac	caagctatga	aattccaaga	ccaaggacag	ctttctcggc	ttttgtgggc	360
cgcccgaag	aattcattgc	attcctggag	tactcatcg	acctggaaac	gctgaaggag	420
gaggacaaaag	tcgacattta	tacaacctc	tttgagatgt	acctggacac	agcaaagcga	480
aagaagggtt	ctgctgaaaa	ggaagaatgg	gaaaataaag	ccaaaactct	catcgaaggg	540
aaagacgtag	gtgctcttgc	tccggttgta	gctccgcctc	tcattgggtt	ctag	594

<210> 7656

<211> 441

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (416)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7656

attccgatct	cgacttccaa	cgctcttctc	ttatcagatc	tgtctaattt	ccgagagggga	60
tctaccctcg	tacgcgagca	agaagggctt	cggtctgaca	tctttcggtc	ttttacttcg	120
gcaaaggaca	cccacggagc	tatcaaagct	ctgcggaagt	atgggccaga	agagcctcag	180
ctatatgtgg	acgtctctac	atacttcgcc	tcaagtccgg	ccatccttga	ggaagctggc	240
gacgagctcg	acgtgggtact	caagagaatc	cacgatgacg	gactgatgtc	gccattacaa	300
gtaatacaag	cattgagcaa	caattctgtg	gttaccatgg	gccgagtcaa	gaaatatctc	360
agcgacaaca	tagagcgcca	gcggaagaa	atctccactg	taggttgcgt	tctgtngatc	420
ttctacgtag	tttcgaacta	a				441

<210> 7657

<211> 651

<212> DNA

<213> A.fumigatus

<400> 7657

atatctgcct	tcgcggtctct	ggaagatttg	tcgcaggtag	cggtgggatt	tggcaacgga	60
tcggtcacia	tcatttcggt	cgacttgatt	catgatcgtg	gtgcccagaca	acgcattgtc	120
ttcgagtcgg	aggagccgat	tactgggctt	gaggtacaaa	gcgggggtgtt	atcgacactc	180
tttatctcga	caacgagtcg	aatattgacc	ttggtcattc	ctggccgagg	acaagggtcaa	240
ccagcgcggtg	tactggatga	ctctgggtgc	ggcggttgat	gcatggcgct	tgacagagac	300
accggagata	ttgtttgttc	tagggaggac	gccatataca	cctatgggccc	gcatgggtcgt	360
ggcccagagct	atgcatttga	cagcccaaag	aactccatca	acgtattcag	ggactatatg	420
gccttggtat	gtcctccaag	ggctgcgttg	ggaaaccttc	gcagccaggc	cgacgagatc	480
ttcagcacia	cgactttcac	gctgcttgat	acggatctca	agtttatagc	tcattcagaa	540
tccttgccag	cgtctgtcag	gcatgttttc	atagaatggg	gcgacttggt	cctcctttcg	600
acagatggaa	aggtatgttc	caatactgag	aatgagtatt	gctatagcta	a	651

<210> 7658

<211> 384

<212> DNA

<213> A.fumigatus

<400> 7658

tcgcagtacc	ttgatacaca	gcgtattcac	aacctaatacg	agtatcttga	agaacttcat	60
gatcatgacc	gagctaccgt	tgatcacacc	acgcttcttc	taaactgtta	cgccaagctc	120
aaagatacga	acaagctaaa	ttcattttatc	aaggctccag	gagagctcaa	gtttgacctg	180
gagacggcca	tcgctatgtg	ccgacaagga	gggtattatg	agcaggcagc	ctatttggct	240
acaaaatacg	gtgagaacga	catggtcatt	gatatcttga	ttgaggattc	gaaaaagtac	300
gctgaagccg	tggaatacat	ctggaggcct	gagccggact	tggttcgtaa	tgacagtcgt	360
gtccttgtga	ttttccaggg	ctaa				384

<210> 7659

<211> 399

<212> DNA

<213> A.fumigatus

<400> 7659

ggcgctgcgt	ctctatactt	cagtcgcgag	gatagatcag	ctctcgcaat	ggcagcttcg	60
attatcactc	ggggatctag	ctccctggag	tcgctgaagg	gacgctctcg	tcccagatc	120
cagatcgacc	tggttaatca	gacagaagga	ctggtcagct	cgtataccac	caagggccag	180
attgagggga	ccgtgaccat	cagggtagac	catgacacgc	gctttgagga	cgtcgaaatc	240
actttcgaag	gtgcgactga	ctccctgtc	agctggccag	ggtttgctg	catgctaaca	300
gccgagaata	ggaacagcaa	gaacatcagt	cgagcgcgcg	gcctaccccg	gccgcacagg	360
ggcgatatcag	acattcctca	agctgcgcca	gccattga			399

<210> 7660

<211> 318

<212> DNA

<213> A.fumigatus

<400> 7660

cagccgagaa	taggaacagc	aagaacatca	gtcgagcgcg	cggcctaccc	cggccgcaca	60
ggggcgatc	agacattcct	caagctgcgc	cagcccatcg	atgacgcgcg	atacccaact	120
ccccgcattc	ttgaaagtgg	acgcgcctac	cagttccctc	tcacttttgt	cgccccgat	180
cgtctgctcc	cccatgtctg	caccactcc	aagatcaacg	cccatgtgga	gcgggtccac	240
acgttgctgc	ccccgacctt	gggggacccc	attctcgcca	gtaacggaaa	gaccctgctg	300
gacgatatgg	tgccccgag					318

<210> 7661
 <211> 330
 <212> DNA
 <213> A.fumigatus

<400> 7661
 cattctcctg tagttgcgct gccacttctt caaggaggcg cagaaaagct attcgagttc 60
 aaagcttttg acttggacgc tgtcgtcggg acctcggtcg tgccttttgg aaagagagac 120
 tcgtcctaca tctgtctcaa cggtcagcgg gcttcggatt tcgggtacaa ggaagagagc 180
 gtcttttggg catttccgtt ccccgtagat caagttgcag agcagaagat caatgtctca 240
 aaactcaaat cggcggatct gatcagattg agccgaactg agacaggacc cagtttcctt 300
 ttcgacgttt acaccgaaaa gagcagctaa 330

<210> 7662
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 7662
 accggttcag tcctaagcta tatcagtatc attgatcccc cgggcgtcat cgaagctttg 60
 cgcttttaggt cgttttctgc ctgctgtatc cgccttgaca tgtttccctc cccgccatcg 120
 ccgcatcttg aagccatcga gaattggaga atactatatt ccttgattgc cgcataatctc 180
 tcccgcctgc agcttaaaat gcctttcgcg cagctggtaa tagggccccc ggggtgcgggg 240
 aagtcaacat attgcaacgg tatgcatcag ttcttgggag ctatcggccg gaagtgtctt 300
 atcgtaaatc tggaccccg aaatgacaag acgtcgtatc cgtgtgcgct ggacgttcgc 360
 gacctcgtca ctctcgagga gatcatgagt gaggatcaac tagggccctaa tggcgggtgtc 420
 ttgtacgcac tggaggaact ggaggagcac tttgaatggt tggaggagggt gctgaaggac 480
 ctcgagggtg ggcctga 498

<210> 7663
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 7663
 atgctacagc taatcgtaat acatctcatt gactcataca acctcacact accatcgatg 60
 tatatatccg ctctccttct ttcctcgcgc gccatgctcc agatggatct ccctcacatc 120
 aacgtcctca ctaaaatcga taacctttcg aactacgccc ccctaccttt caacctggat 180
 ttctacacgg aagtccaaga cctttcgtct tcaccacgag aggccgcacc gcagcagcac 240

<210> 7664
 <211> 420
 <212> DNA
 <213> A.fumigatus

<400> 7664
 agcacaatat ggcacatcaagt aagggtcaata gaaaccgctg tacatgcttg tactgaccgc 60
 aagctagatc aattcgccgt cgcaaattccg cctgcagatg ccactctccg tttgaagtct 120
 tcgccggatc caaattcaac gcgaattgtc gtttcatcat gggacaagaa cgtctacctt 180
 tatgatctga gggacgagaa tggaaacggt agtgaaggga agctgttaca aaagtttgaa 240
 catcgtgcgc cgggtgcttg cgcgtgtttt ggcgagaatg aggatgtgat ctacacagcg 300
 ggtttggatt gggacgtccg aaagtacggt ttcctatcgc cgcttggtgc tttctctcga 360
 ctgactgtct cttgttattg gcaggatcga tgtcacatca tctacacaga ccgtgcttag 420

<210> 7665

<211> 783
 <212> DNA
 <213> A.fumigatus

<400> 7665
 ctgtctcttg ttattggcag gatcgatgtc acatcatcta cacagaccgt gcttagcagc 60
 cataacgctg ggggtccggtg tgtgcgctac agcaaggagc ataacattgt catatctgcg 120
 tctgtgggact cgacgctaca tgtgcaccgc gtgaatactg aagccgactc tatccccgca 180
 atcattcctc ttccttcaaa gccgttctcc atgtctctca ccgccacgaa actcgttggt 240
 gccatggcct cgcgctccct ccacatttac gacctgaaag cattggcact ccttacagac 300
 cagtcggacg ccacatctcc caacaagggt gatatcgagc catggcagcg acgagagagc 360
 agtctcaaat ttatgacctg ctgtgtcgcg tgcattgccc atgacgctgg ctacgcatcc 420
 tctgagcattg agggacgagt cgcagtcgag tggttcgatc cgtctgctga gtcacaagca 480
 cggaaatatg ctttcaagtg tcatcggcag acggctgatg atgttgacgt ggtatatccc 540
 gtgaacacgc ttgcgttcca ccccatccat ggaacattcg cgtccggcgg tggatgaggt 600
 gtcgttgac tttgggatgg aattgcgaag aggaggatca ggcagtatca gaaataccca 660
 tctgagcattg ctgctgttga tttcagcggc aatggaaagt acttggcgat tgcgtttagc 720
 actggttttg aagacggaag acacgattct tctactgcggg agctgccgga taaaaatatt 780
 ggt 783

<210> 7666
 <211> 783
 <212> DNA
 <213> A.fumigatus

<400> 7666
 catgctgcgc tcaggaaagc tcataacaac agatattgtg cgtttccgcc tcagttgcct 60
 ttttctaaat tggaaatact gatatcattg ggccaaagac ccaagcattt gcaggatgca 120
 ctgcgtgaat gtggctggga agatgcagct gagtttcgcc agcaagatac ttccgaagcc 180
 tttacattca ttacagaaaa gttagagctg cctctactca cgttaaagat ggatatctat 240
 cacactggaa aggaggatgt gagcagcgac cacaattttg tcaatgagag attgctggag 300
 gtcgcgattc ctgagcctgt cgatgggaag acagtgcacac tggaggactg tctggaatcg 360
 tattttcaaca ataggattga ggttaagcgc caccttgagc gacgcaatac tgtcggctca 420
 accagatcct tcgattccac gtccaaaggc tttatatcac atatcgagac tgttgaggctc 480
 accccgtctc ctgcggcttc tccaactcag ttgactccat tgcgatccga cgactcagcg 540
 ctattaacgc ccataataac ccagtcagaa gtaagtggct caaacacgcc tgcaggcgcc 600
 cacatgcggc ggactagcat cgttcaagaa cgattcgtac ctgactcaga agacggagca 660
 aacgctgacg ggcgctttac cacgaagagt cactcgggaa gaggttctta caggaaggaa 720
 gtgatgatgc ccgcgtggca attcttcagt ctgatacgta ggtgcattcg atccctagca 780
 tga 783

<210> 7667
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 7667
 ctgaagatac tggggcgccg catcgcacaa cttggctata ctggcttgaa ggaagagcat 60
 tttgagtatg cgctccagtc cgctcaggga gacatagaga aagcatttga tctgctcctc 120
 atcttgaggg attcaattga gggatataatc agaccgtaca ctccgagtac aaagctactt 180
 ggagcagtc accgacaggg ggttacctgc tacctggacg cattattgtt cgcgatgttt 240
 gctcgttttag attccttcga agcaatcctt tacaagtcgt ttaacgacga gcctcgtcgc 300
 aagctctcaa tattgctaag actctgggtt aacatgctgc gctcaggaaa gctcataaca 360
 acagatattg tgcgcttccg cctcagttgc ctttttctaa attggaaata ctga 414

<210> 7668

<211> 711
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (101), (210)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7668
 aatccagatt gtagtaatca gttccgctcg cctaaatacg accgtggccc tctacaccct 60
 cacagacctc ctccaccatc agatccctcg tctcgactct ntgttcctgg ccccttttca 120
 cttcccagag tatcacagac atggggagtcg accatcgctc cagacattct caccctctgc 180
 tacgtccaca ctctcccggg gttcaagccn ccacaaaaag gttctcgtct tcgtgagtgg 240
 gacgacagct ctctttacca caagaaccgg ccgctacgtg ggcctcgtgg cggcgacgtc 300
 ttacgactgc tccgtaaaacc catcactttc aacaacatcc cccagctaga gcgcatcacc 360
 atccacagct acgtcaagca ggctgctacg gagaactcgt cctggctcca tgtcgccggg 420
 atggccggtc aggtatattc caatgtccgc gttcagacat tcaaatacaa gtccagcggt 480
 gctacgtggg gtattgcgcc tggcagagac accgtcgcgg tgaaggcaga actgcgcggt 540
 gaggatatgc tccactttct cggaaggtta gtcgatgttg ttctgcctag aatcaaggac 600
 tgggaagggt tcaagggcac cagcggtgat agcagcggaa acatcacgtt cggccttgag 660
 cccgagaacg tggctctctt ccctgaaatc gaggtcaact acgacatgta a 711

<210> 7669
 <211> 423
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (15), (341)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7669
 agaccctcac cattngaaga gtccgaggtg gaagaagctc ccgagcatct gtcggatgcg 60
 gaagccgctg cgttgccatt gactggattg acgggatgga gagcgttggt ggttaaggcg 120
 ggcgaaagga actctggcaa aggcgcagct gtcttgatca cggggattgg cgggtggtgt 180
 gcgctgattg ttctccgttt cgcgggtggc aggggtgcgg atgtctatgt gaccagttcg 240
 agcagaggaga agatccaaaa agccgtggca ctgggagcca gaggtggtgt gaattacaag 300
 gaagagggat gggaaaagaa gcttttgggt atgcttccta ncggcaagca gaactttgac 360
 gccgtcatcg atggtgcagg tgggtgattct gtcgagaagg ccaccaagtt gctcaaggta 420
 tga 423

<210> 7670
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 7670
 ccgagacagg ctggtggtgt cctctccgtt tatggaatga ccgtgtcccc caagatgccca 60
 ttctaatgc aggtctgttt gaagaacatt gacgttcgtg gctctaccat gggctctcgc 120
 aaggagtcca aagagatggt cgatttcgtc aagccgaaca agatccatcc agtgatttct 180
 cgcgttgctc agaccgacct gggcgatatt gagggacttg accgtttatt ccaggacatg 240
 aaggagggaa agcaatttgg aaaactggta atcgagttcg gaaagtcttc aggaagcaag 300
 ctataa 306

<210> 7671
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 7671
 gccaaagatgg cccaggtcac tgtgggctcg gttgccgcag aggttgcaga taactatgca 60
 ctcgaccatg acatccaaag cgactcaggc ttggaaagtc ttgacaacga ttcctcctgg 120
 gactccgatg tacagaacta tgactgggac tctgactggc cggacgagga tgccactcct 180
 gctagacctc cgaagaggat agctgtcaat cgtgataagc acgccgattt cattgacttg 240
 actgacaagc catcccttcc agcaccaggg actatgtcaa ctccaacaac tgctgcgcct 300
 gcaacactca tggcggcgcc tccctgtcaa tactctcatg atatagccgc gttgtcgggt 360
 cagatcatgg agctttttcc agatatctgc cgcaaatatc tgaaaggact tctgtctcgc 420
 tacgcggata acatgtctct cactggatcg aatgtggcct ctggaatgct gttggccatg 480
 aaggagatgg tggctcgagga aatcttggcc aacccatcat atccaagcg caagcaactg 540
 aagagaaaga gaaaagatac caaagacgat gacaaagata atacatggac atctataaac 600
 cacaacgggg agccttggtg tcaggaagcc gcgtaa 636

<210> 7672
 <211> 681
 <212> DNA
 <213> A.fumigatus

<400> 7672
 gagctcattc aaaatcagaa aaggcaagaa gaggctgaga gaaggaacca agagcagcac 60
 gcccggggcgg ggactctagt agagtgccaa tgctgctatt ctgatgttcc tccaaacaga 120
 accataacat gcgaaggaga gaatgttcat ttcttctgct tctcctgtat ccgcaagtct 180
 gcagagacac agattggcct catgaagtac cagcttcaat gctttgacac tagcggttgt 240
 caggctggct ttccgcgctc cgagataaag gaggtgcttg gatcttcgat tatggcaaaa 300
 ttggatgctc tccaacagca agacgagatc tctcgtgcc aacatcgaagg gctggaaagc 360
 tgccctttct gcgaattcaa ggccatctgc ccaccggctc aggaagaccg ggagttccgt 420
 tgctgcaacc catcctgtga ggtggtcagc tgccgggttat gcaaggatgt caccatgta 480
 cccagaacgt gtgaagaagc gaaaaaagac aggggcatct ccgagcgcca cctggtcgaa 540
 gaagccatga gtgaggctct gattcgcaat tgccctcgat gcaaactcaa aatcgtcaag 600
 gagttcgggt gcaacaaaat gacatgccc agttgcagg gctgcatgtg ttatctgtgt 660
 aagaaagaca ttacacgcga a 681

<210> 7673
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 7673
 acagacacgg ttatgtccag gatgtacaac cagactggta atctttacaa gggagcattt 60
 gattgcctct tcaagactat ccgaaaggag ggtatacttg cgatctacaa gggctacttt 120
 gccatctcgt ctcgatatct gcctcatacc gtgagtaact cccgcatatc gaggttatgc 180
 gtcacggcct aa 192

<210> 7674
 <211> 564
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (391)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7674

tacatctacc	aaattctgct	caatggctgt	cgtttgggct	tctatgagcc	gctgcgcaag	60
ggtatcacga	ccgctgtcta	caaggatccg	cagggttcaat	ccctcggtat	caatgtcttc	120
tcaggcgccg	cgtccggcat	catcggtgca	gcagctgggt	caccgttctt	cctcgtgaaa	180
actcgtttgc	agtcttattc	tcccttcctt	cccgtgggca	cgcagcacga	atatcgaaac	240
tcttttgatg	gtttgcgaaa	aatctacatg	tccgagggcg	tgggcgggtct	ctaccggggc	300
gttggagcag	ctatggttcg	cactggtttc	ggcagctccg	tccagcttcc	cacctatttc	360
ttcgcaaagc	gacgcttggg	gaagcacctg	nggatggagg	atgggtccggg	ccttcattcta	420
gcccgaata	ccgtatctgg	cttcgtagtc	tgctgtgtca	tgcacccttc	cccgggtatgt	480
ataattgggc	attgttcgat	tacgcgcccc	gctaatttta	taaacagaca	cggtttatgtc	540
caggatgtac	aaccagactg	gtaa				564

<210> 7675

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7675

tatgtacaaa	aagcccaagc	cgcacgcgag	caggacgacc	cggaagtcaa	cgctccaat	60
gaatataccc	aacgatttga	gcgatctttt	cggtgcaacc	gctcgacaat	gcaaacgacc	120
aatgccgcac	tctatagaaa	ttccaccatt	cccatcaccg	aatccatcga	agacgcaaaa	180
ggcgtcccgt	tgcggttaa					198

<210> 7676

<211> 840

<212> DNA

<213> A.fumigatus

<400> 7676

agacccccctc	atttctctca	gttcctcgac	gagatgagcg	tcaatggcgt	tcccacgccc	60
aatctacctc	aatctcaatc	ccaggctcct	caatcccagc	cacagcagca	gcagcagcag	120
caaccaccac	aacaacagca	gcaacagcag	cagcagaata	aacctcagtc	tcaaccacag	180
cccatggggc	agccacccat	gcaggctagc	attgtcagag	atcccactcc	taatcacagt	240
atcccagtc	ctcagaaccc	tcagggtggc	atggctcatgg	ttcctaataca	accgatggat	300
gtttctgcaa	tgggtcttaa	caatagcgcc	tggaaacacag	gaattgacat	gagctatggc	360
aacactcctg	tatttgctgt	cctagagggt	cccgaaggtc	ccgcactcga	cacagagatg	420
ctctccggaa	agagctctac	tttgttcaga	acatgtctgc	cagaagtatc	ctctgcaaag	480
gatgaaatcc	ccatgatcga	gcgggccgca	aatacaaagg	aggagacaaa	tgattctcct	540
gtcgggtgtcg	agaacccaga	tatccagttt	gacgagtcg	accctgcttt	cgcccttttc	600
gccgactccc	ccgccaaggc	ctcatcgtea	gactcccctg	tggagtttcc	ttgcaccatc	660
cgatctgaaa	agtcgtcacc	tgcatttgag	ctgggtggtcg	aaaatgagtc	caaggccact	720
gcagaccgct	ttatcgttct	ttgcaacagt	atggaggcag	ccttccaacg	cgtctctgtg	780
atgacctctc	atctttcatg	ctttccccgc	gccgcgcccc	agcatttgcg	atacctatag	840

<210> 7677

<211> 723

<212> DNA

<213> A.fumigatus

<400> 7677

ttgcgcagtg	tcattccattc	cttcggtgaa	agctttttcaa	cagccacatt	ggcttccctt	60
cttttttccg	ggaggctgtt	caccaaagcc	tttcgcctgg	ttccgtcgcc	agcaggctct	120
tcgtgcttct	ctagagctgc	gtcgtacctc	aagtcgcgtc	accgggtcta	cgaaggtaca	180
tctgggcctc	ccaaattgtc	agttagtcgt	ccgttcaagg	ctcttcgaac	acgcgactat	240

cgccgcgaca	tcaatccaga	ggcatatctt	ctcagagcgc	ccaaactcgt	attcagacga	300
gggaaaacct	acgttatata	caaccctgct	tcgcaccagg	actccggctt	cgactctaca	360
cctacttccc	ctggttgaaa	caagccaatg	aagttttact	accagggtgct	gacgacgccg	420
acggccgata	cgccggggcac	gaccgtcgtc	ctacattttc	cggagaagcg	gtattttcttt	480
gggcagatct	cggagggggac	ccatcggggc	tgtacggagc	gtggcgtaa	gctatcctat	540
cttacagata	ttttcctgac	ggggcgggac	gaatgggcta	ataaccgcgg	gttgatcggt	600
gtgattctca	cgctggcgga	tgggctggcg	accgccgcaa	atgcgctgga	gcttactgcg	660
cgtgaaaaaa	aagccaaggg	gcgtgggtggg	tcaccgcgtc	aaacaacagg	ctcaccaaca	720
tga						723

<210> 7678

<211> 399

<212> DNA

<213> A.fumigatus

<400> 7678

ctcctttcat	gcctggcggt	tctgctaaca	tgctacaaca	gtgagggatt	tgacaccgtc	60
gttggcagca	agggaggcat	gttgtctggt	ggacaaaaac	agcgtgtcgc	cattgctcgt	120
gccctcctgc	gtgaccccaa	ggctccttctt	ctggatgaag	ccacatctgc	tcttgactcc	180
gaatctgaga	aagtcgtaca	agctgcgctg	gatgctgctg	ccgcggggcg	gacaacgatt	240
gctgttgccc	accggctgag	caccattcaa	aacgctgata	taatttacgt	gttcgaccaa	300
ggcaagatcg	tcgaaagtgg	aacgcaccac	gagttgatcc	gaaacaaggg	ccggtattac	360
gagctgggtca	atctgcagag	tctcggaag	actcattga			399

<210> 7679

<211> 567

<212> DNA

<213> A.fumigatus

<400> 7679

acactctgct	tttctgagat	tctttttggt	gcgcaatcag	ccggaactgt	cttctccttt	60
gccccggaca	tgggtaaggc	aaagaatgcc	gctgctcaat	tcaagaaact	cttcgacagc	120
aagccaacca	ttgacatctg	gtcggatgag	ggcgagaagt	tggagtctat	ggaaggcgaa	180
atcgaattcc	gggacgtcca	ctttaggtac	ccaacgcggc	cggagcagcc	tggtcttcga	240
ggactgaatt	tgagcgtgaa	gcctggacaa	tacattgccc	ttggtggacc	cagtggatgc	300
ggtaagagca	ctacgattgc	tctgcttgag	cgattttatg	acgcacttgc	tggaggggtc	360
ttcgttgacc	gaaaggacat	taccaaactc	aatgtcaact	cataccgcag	tttcctctcc	420
cttgtcagcc	aagaacctac	tctgtatcag	ggtaccatca	aggaaaatat	cctgcttgga	480
gtcgataagg	atgacgtttc	ggaggagact	ttgattaagg	tctgcaaaga	tgccaacatc	540
tatgatttcg	ttatgtcact	cccgtaa				567

<210> 7680

<211> 600

<212> DNA

<213> A.fumigatus

<400> 7680

cccagttcac	cattaatagg	ttgtcttctc	ggcgctatct	ttgccttgat	ctttggcgag	60
atcctcggac	gccgaaaaat	ggtcatctgc	ggtgcacg	tgatgatcgt	tggagtgtat	120
atccaagtca	catcattccc	gggctcactt	cctctgctcc	agttcatctt	cggccgtgtc	180
atcacgggag	tcggcaatgg	aatgaataca	tcgaccattc	cgacgtatca	agccgaatgt	240
tccaaaacga	gcaatcgagg	tctgctgata	tgcatcgagg	gaggcattat	tgctatttga	300
accatgatcg	cctactggat	cgactttggc	gcacactacg	ggccaccgga	cctgggtctgg	360
cggttcccg	tcgccttcca	gattatTTTT	ggcatcgtga	ttatcgtggg	catgctgtat	420
ctacccgact	cgccacggta	cttgatttgcg	cagaatcgta	tcgcggacgg	cgagaaggtc	480
ctggcagcgc	ttgccggtac	ggagataagc	gatcgtcata	cacagctgga	gaagcagttg	540

attgtagact cggtcogagc gtacgttccc ctactttgca catcatattc tcatagctga 600

<210> 7681

<211> 201

<212> DNA

<213> A.fumigatus

<400> 7681

ctattttctat	gggtctgcct	cgcgccagga	ctcaaaaatg	tttacacgaa	ttcaagtctc	60
actgtcttcg	actogaatga	ttaccgattc	gtcaccatgg	cgccgcccac	ttttgctggg	120
atgtccggac	ggaaactgtc	ctggactgtg	tcaaccattg	cgaccatggg	attcttattg	180
ttcgatacgc	atcgtaagta	a				201

<210> 7682

<211> 351

<212> DNA

<213> A.fumigatus

<400> 7682

actcggtcgc	agcgtacgtt	cccctacttt	gcacatcata	ttctcatagc	tgacgtgcgc	60
ctcagatccg	gtgcccaaaa	agccagtttc	agggacctct	tcaccggagg	accgtcgcag	120
cacttccgtc	ggatgattgt	tggctcgtcc	tcgcagggtt	tccagcaaat	ctctggttgt	180
aatgcagtca	tctactacct	gccagtcctc	ttggaagact	caatcggcca	atcgcacgac	240
ttcgctctgc	tcctcggcgg	cgtcaacatg	atctgctacg	cgatttttgc	cacattctcc	300
tggttcttcc	cgcaaagagt	cttcaccaag	ggggcggcgg	accgcgagta	a	351

<210> 7683

<211> 423

<212> DNA

<213> A.fumigatus

<400> 7683

tggggagtta	tggcggaggc	taatcaagtt	actacagata	tgactactct	gaagtacgtc	60
gagcctgccc	ccatgggcag	cggcgaggag	cctcgccccg	tgacgaccac	caacatggat	120
tacgacaagg	gacaactgcg	ccaattgatg	aagtgcgaac	tcatgggagt	gggtatgatg	180
ggtgtcatgc	acctgtactt	taagtacacc	aacccccctc	tgatccagtc	gatcatccct	240
ctgaagagcg	cactggagtc	gaatctcatt	aagatccatg	tgttcgggaa	gccagccact	300
ggagacctac	aacgtccttt	caaggccgcc	aacagcttcc	tgagccaggg	tcagggtcaag	360
accgacaagg	cctccgtcga	gaacgccgag	aagaacttcc	gtggcgggtg	caaggaggag	420
tag						423

<210> 7684

<211> 228

<212> DNA

<213> A.fumigatus

<400> 7684

ccatgccttg	atctttgcag	aactaatctg	gccatcatcc	ttgtgatgat	gcagctggcg	60
aagaagggtc	cctttgacaa	cccggatgtc	ctcttcctcg	tccgttgcat	atacctcgcg	120
tccaatgtga	tcattcttgg	actctacatg	tatacgcaat	ccaagatcaa	tcagaagaag	180
ggtatgcact	tatccgcagt	tgtaatgggg	agttatggcg	gaggctaa		228

<210> 7685

<211> 1605

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (53), (109), (113)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7685
 ccattgatac ggccccagca tctcttcttg gatcggggat ctgcttctcc ggntgcacca 60
 tgcgcagaac ccagaccggc gagaagaggc cgggggtgca cgtacccana atnccgccc 120
 agagcctcgc agcctcttaa ttctgatgat tccgagcgtg cttcagagga cctttcgtatg 180
 ggtggcgagc ttcccacgca ttcacctctg gaccaatctg ggggcctggc agctactaag 240
 ctatcgggtc cgggacgccc aacagaactg agccagccca caactgccga ggacttagtg 300
 gatagtaatc catggctaca gcaagtgatg cacaaatcgc ctggctcgtt cctccttggt 360
 cctggccttg acgcgaatac ccccccgctc ctgcaacgct ttctgaatg ctgggattcc 420
 actaattatt cccctgatgt gagtctcgag gatggcgtct tctgcctgg gtccgactat 480
 cttgagctgc actccaccct aaggagccat ctcatgcagg aagcgcgac ccgttacct 540
 tctcggcgaa attctaccga cagcgcgggt cccgcctgat cgagtctcgg gcgcgaaggt 600
 ttcactacgg ttccgattat acagcttaga gattacgaag attatagcct gatgcccaac 660
 aaccaaacct ccgtggatct gcccaaggat gtggaatatg atctgtggaa gaactggcta 720
 gaagagattg ccccggtggt ggacaagtgt gacagtcaac gtcattttca atataccctt 780
 ccagtgatgg cacaatccca cgagcacctc cgctacgcca tggtagctgt atctgcccgt 840
 cagcaagagc agaaaaacaa aacattgccc atcgagcgca gtttaacgct ctaccataaa 900
 gccatccagc ttctcctccc ccagcttcca acgaggacca ccgcagtgat cgcttcttgc 960
 gttgtcctgt gtgtgctgga gatgctcagc tgtgccccga aagcctggag acggcatctc 1020
 gacggatgcg cacacttgat gcaagctgtg ggtatcaatg gctttgtcgg aggcgttgag 1080
 caggcactct tttggtgctt tgcccggatg gacgtatgcg gcggtttgat ttcctccatc 1140
 aagacattga tcccagtcac ccattgggct tccatgattg atctcgatac ggacatcaga 1200
 ctctttcaat ccacatccac ctttgaaacc tgcgcaaata aagccgtcta cctctgtgca 1260
 cagaccttgg atctcctggc gccatccac ttgctaggac gagcggcgag tgtgcggtgc 1320
 gacccagcg acatagccta catggaacga tggttgaagc tgtggcgta tgtggaagac 1380
 tggcacgtca aacggccgaa agaaatgaaa ccgatcgta acctccctc cactgatcca 1440
 tgtcccacca ttcttttcag caatgcagcg gcgatctccg gagatcagct ctaccacacc 1500
 ggggaatac tctgttgca gtccaagcct accaatgtgc gactaagaac ccaagccacg 1560
 ctcgatcctg tggcatgccc gccaaatttg tggcatctcc catga 1605

<210> 7686
 <211> 621
 <212> DNA
 <213> A.fumigatus

<400> 7686
 ctgacccttt ttgcagctta ccattttcct tttctctgca ggcaaaaggc acatctactg 60
 actcgtaaaa aggagtacgt gacaatgtcc cagtccacca caagagcctc atcggctccc 120
 cgggcctcgg cctcaggcct tactcgcgtc tacctcctcg cctacaatgc aatcagcttc 180
 tgtctctggg ccacctgcgt catccgtggc gcaacgcttg tcttctcgtc cgcgcaccaac 240
 ggccatctcc ccgccatctt ccaccacgtc tactccccgc tgcacacaac gacccagaca 300
 ctcgcgggcc tggagatcct gcacagtctg gtgggcattg tgcgcgcccc cgtcatgaca 360
 accgccatgc aggtagccag ccgcctgctc ctggtctggg gcgtgatgta tctcttcac 420
 gaccgcggga acgggcacgg cggcattgtc ggcggcgact ttcacgaggc attgcccgtat 480
 ggacctggcg ccaaggtagg cgattatgcg ttctgggat gtctgggggc gtggggcgctc 540
 accgagtgtt ttccggtatgg gttctttgcg ttgcaggttt ggggtagtgg tgtcccaggt 600
 tggtaggactt ggttgaggta a 621

<210> 7687
 <211> 300
 <212> DNA

<213> A.fumigatus

<400> 7687

tggtgtcccg	agttggtgga	cttggttgag	gtaattatcc	ctgccttggtg	taaggtagct	60
atgttgcttg	ctgacaatgt	taggtacaat	accttctatg	tgctatatcc	aattggtatc	120
agcagcgagt	gcacatggt	ctggaaagcg	ctcaagcccg	ctgctgaatg	gaaccctctt	180
tactggtggt	tcttggtggt	ggtccttata	atctatgtcc	ctggtagctc	ggttgctctg	240
caacgcgcgc	cgccagtcgc	taactttctt	caggctcata	cattctctac	acgcacatga	300

<210> 7688

<211> 411

<212> DNA

<213> A.fumigatus

<400> 7688

gcacgtcgtc	caacccttac	ggctgtagtg	acgctatggg	gacttctgac	tactttgaac	60
tgtgctccgc	agaattatgc	tggactcatt	gtcctccgtg	tcttgctagg	atgttttgaa	120
agcgcagttg	ctccggcgta	tgttgccaac	cccggaatc	tcaatgtccg	agttcattct	180
gacaggtatc	agactgattc	tgattacttc	aagggtgtac	aagaggtaatg	gcaaggtgta	240
tctctcgtgg	cggggaccct	tgctaaccct	cgcaaaacag	cccaagcgga	taggtttctg	300
gtatttaggt	actggaactg	ccaccatcat	cggagctctc	gttgacacag	gactcctctt	360
ctatacaggt	ggctgcttcc	ggctcctggca	gatcatgttc	ctcatctttg	a	411

<210> 7689

<211> 531

<212> DNA

<213> A.fumigatus

<400> 7689

gatgttttga	aagcgcagtt	gtccggcgct	atgttgccaa	ccccggcaat	ctcaatgtcc	60
gagttcattc	tgacaggtat	cagactgatt	ctgattactt	caaggtggta	caagaggaat	120
ggcaaggtgt	atctctcgtg	gcggggaccc	ttgctaacct	tcgcaaaaca	gccccagcgg	180
ataggtttct	ggtatttagg	tactggaact	gccaccatca	tcggagctct	cgttgccacac	240
ggactcctct	tctatacagg	tggctgcttc	cggctcctggc	agatcatgtt	cctcatcttt	300
gagctgatca	ccatcgctgt	gggaatatgt	ttcgcgattg	tcctcccaga	caatcccatg	360
gcgtcccggc	tggcccatga	ggagaaactg	ttcgcgattg	agagtctccg	ggagaaatcgg	420
acaggtatcg	agaacaagca	tttcaaaatg	taccaattcc	tacaaatttt	ccagggaccc	480
cccgacctaa	tttcatcccc	cttgatcgtg	ggcgccatga	aactttccca	c	531

<210> 7690

<211> 576

<212> DNA

<213> A.fumigatus

<400> 7690

taccgacatg	tctatcagtg	tggttgtagc	ctccatcatc	gtcaatctcc	aattattcat	60
ttacggaagg	tattgatgt	gccagccatg	ctgtctgcga	ccgcgctgat	aacatgggca	120
cccaaattgta	gcgagagtca	cttctacaag	aagagtagca	aggatattgt	gccgagcccg	180
tgcttcacaa	ccaaggctac	aacaattggt	tttttgcgca	cagtacctga	aactggtgac	240
ttgagcatgg	ataccgaagc	aaagaagctc	agctctgcag	cttcgactga	ggcagatgcc	300
gcttttaggtt	tccttgccctc	agaaggaacg	cgggcattta	ctgagattgt	tgaagagaag	360
cttggttcgta	agattgactg	gacgatcgta	ccacttatgt	gggccattta	ttttctccag	420
tatcaggaca	agtttctgag	taacacagac	tcttggaagg	ttttgattcc	tccagcgact	480
taccctaccc	cagtcaatta	tgctccgtc	atgggcttgc	tcaaggatac	cggcatgcag	540
acggaccaat	tctcgaagct	ggccctagca	ttttaa			576

<210> 7691
 <211> 315
 <212> DNA
 <213> A.fumigatus

<400> 7691
 tctatagata gatgggattg gcatcaatac ctatcggttct ccactcatc agttcaatgc 60
 tccgcctgcc ttctttctcc ccctacccat gcagggaaat caaatgacca ctaccactac 120
 cactattcta gactacatac ttcttcttct gctttcttca tatctcttaa aaaccatact 180
 aggcaattta tcaagtctga aagaaggctt tacgtcactg tgggctctga agataatcgg 240
 ctgtttattc ttgaccatcg ttgccagacc tatatggaac atactcttct cctcccacac 300
 accaagagat tctaa 315

<210> 7692
 <211> 891
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (703)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7692
 atagatggga ttggcatcaa tacctatcgt tctcccactc atcagttcaa tgctccgcct 60
 gccttctttc tccccctacc catgcaggga aatcaaataa cactaccac taccactatt 120
 ctagactaca tacttcttct ttcgctttct tcatatctct taaaaacat actaggcaat 180
 ttatcaagtc tgaagaagg ctttacgtca ctgtgggctc tgaagataat cggtctgtta 240
 ttcttgacca tcgttgccag acctatatgg aacatactct tctcctccca cacaccaaga 300
 gattctaaat cgccccaaat tagaaccttt ctaccattgg ggattgatta cattacacgg 360
 ggaatcatct acagtgcgca aaacaaaagc ctggtgttct gggaggaact gttccgaaag 420
 taccatecct tccagactct cgagggtcga ctggggcctc agaccgtcat cgtgtcccgg 480
 gatccgcaag tagtcaaggc attattaacc acccagttcg gggatttcgg caaaggagaa 540
 agattccata ccgagtggag agagtctctg ggcgatgcca ttttcaccac cgacggagac 600
 aaatggcacg ctagtccggc tttgatccga cctatgttta ctctgacag agtttccaac 660
 ctgtcgacgt ttgagagaca tgttcaaaag cttctaagga ttntggaatc tccccgtcat 720
 gagcggcagc cagtcaatgt tctggatctc tgcttcgac tcaccatgga cattgccacg 780
 gacttcttgc tcggacagag tgtcgacagc ctgtcaaac cgactcatag attctctgca 840
 gcatttgccg acgtgcagcg aatacaaagc tggattacca tggcggggta g 891

<210> 7693
 <211> 612
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (6)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7693
 ggattntgga atctccccgt catgagcggc agccagtcaa tgttctggat ctctgccttc 60
 gactcaccat ggacattgcc acggacttct tgctcggaca gagtgtcgac agcctgtcaa 120
 accgactca tagattctct gcagcatttg ccgacgtgca gcgaatacaa agctggatta 180
 ccatggcggg gtaggtttca gaccggatcc atatcttctc cccaaaaaat atcgttgctc 240
 accatctcaa tcttttagacc attgcaagtc ttctgcccc aggccaaata ctatgaagg 300


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ctcaaaacga ttaactcctt cgttgatcca ttcatacagc gaaccctagc cttggggccgg 360
cgcagcttcg aggaaatgga aggtctccgag gaagaataca atttcctcga aggcctggct 420
acattcacgc aagatccgaa ggtgattcga gaccagttga tttccgtcct tctagctgct 480
cgggatacca cggcggccac tcttgcccgg accctatacg agccgtccgg gcacccggat 540
gtagtccaac gcttacgcga ggaaattcta attcgaccac ggggctggaa gagccgcgtc 600
ggagaacccg tc 612

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<210> 7694
 <211> 450
 <212> DNA
 <213> A.fumigatus

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<400> 7694
tccttccagc cccgtgggtga agactcgccc atcatgatgg atcttcagaa gcgcctcct 60
caatatccgt cgctcttttg caoctcacac gacctcgtg ccgctccgca gccgcctcca 120
acctacagtg tgctccccc tcaacaggtc tactacgatt cgatgaagca gcacggaata 180
ccatcaagcc aacctgcgaa cacaatggcc taccctact ctacacccat gtcttctgcg 240
ccaccgactc ctgcctcatc aacaccatat aacatgtcgg ctgcgccacg ggtagacaat 300
cagagctatc aagtgcgcga gaaagactat gaacctcca aaagacatca gctggaggat 360
cacaataagc gtcaccgtca cagcgcgaac aatagccatg atcagcta atctcgcgaa 420
ggtaggcaat actattttgt ttccttctga 450

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<210> 7695
 <211> 573
 <212> DNA
 <213> A.fumigatus

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<400> 7695
gacgggtcga cttttgatgc cggcgatctc tttgctacgc tcatctctct tttgagggaa 60
tacgagatga tgtcctggct cagctcgaac gtccgaaagt gtgcgcgaca gtctccgagt 120
gtcattagtg atacgtccaa ctgcagcttt tccctgaaag actccacacc caagggcaat 180
ggcgagcgag tcgtgactat tttggaggat ctcttcgcca ctgatattaa acctcgccaa 240
gctattggct tgccccagag ctacatactg aactcggta ttcgagatgt cctttcctgg 300
gtgactcgcc aaggggaggt ggcctacccg aacgcactgg tttacattca gtgcgatctc 360
attgcgaaga acaactttga ccttgccctg gatctcttgc gcttccaagc agccacatca 420
tggtcaactt atgtgaaggg tcgtttatat gtggcgatgt ccgaattcga cactgcggt 480
ttgtacttcc gtaaggctgc atacctctc tgtaagttat acttggtgt gtacttcaat 540
cccaatcgtc taacgtatta cagcatgcgg taa 573

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<210> 7696
 <211> 1173
 <212> DNA
 <213> A.fumigatus

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<400> 7696
cgtattacag catgcggtaa acctctcggc aacttgcatg agatgtcatc aacgctactg 60
gacatcgtct cggtagactg tttccacaac ggactcccca aatacttcca acatatcttg 120
tcgatattcg aacaggcacg atccttttcc caggttcgag actttgccag ccttgacta 180
caagcgctcg caagtgaaaa tagggatgaa aaggacctg agcgtattaa catgcgcacc 240
gacctgctct cgcgtctttt ctatgcgtcc ttgaagacct gccaatgtga cctggcctat 300
tcagcaatgt ctcgatacga ggatcatgca ctgcagcat ccgcctctc ctctcttctc 360
accgccatgc tgaatgcctc cggacctggc ctgtctggac ttcagcagat tctacacttt 420
cccacatcgc tcctcccaaa tatcgccact catgtggatg acacacttgt ctcccttgct 480
cggaaagcaga cctccttcaa ttctctattg gaagccggaa caaagtgggc cgacaccaca 540
ccagattatc agcgcacct gcaagcatac cgtgttgccc gtaatgatta tcgcgagct 600
gccgaaatcg cgtatcgaaa cgtccaacgt ctaagacatg ctagagacag cccgtcgcgt 660

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catctgggttc	tagccaaagg	cagagatgct	gacgatacgc	ggcagacggt	cgaggaggac	720
gacccggaga	gcaaggaaat	cgcgaacgag	cttctgtctc	tgatcaacct	acttggctgc	780
gttgacaaga	gcgaagccta	catcctcggt	gagaaggaag	attcgacgcc	tgtggcccg	840
caccacggcg	ttccagcgga	cgatgacggc	aatgtcttca	tggacgatgc	agataccagc	900
tctcttacac	ccacaggatc	tagacgcagt	atcagctcca	gcacaagcgc	tatcaaacct	960
catactccca	gagatagcaa	gtcctcggtc	tccgggtgcg	gtatcaacaa	ccaccgcaa	1020
cggcgggtca	tagtgactct	cgaccacatc	cgtcgcgaat	accagtctga	gctggaccga	1080
gtcagcagaa	tcgaaagagg	agattgggaa	ttcgggcttc	ttgacgcgcc	ggaagcagat	1140
aatggcctat	cagccgcaga	gtggataccc	ggt			1173

<210> 7697

<211> 252

<212> DNA

<213> A.fumigatus

<400> 7697

ccaattacca	gggccacgcg	cctatctcgt	tggatatggac	ctgttctcct	ccatatggat	60
atgtatggag	cagtactccg	ttctggactg	tcgaatatgg	agactgtatg	gggctgtaac	120
tatggtacc	agatggactc	cgaagtatgc	agactgggtc	caagtactgc	acaggattta	180
aacaacagta	ttaatccctc	ccctcaagcc	ctcaacatcc	aggttctttt	atacttaaac	240
attccagcct	ag					252

<210> 7698

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7698

ntgggggttaa	cccccccccc	ccccctccc	ggaggattgg	aacctgtgac	tatcgggtcta	60
ctatttgtcc	ctctaattct	cccatcccta	gtgagcagtg	acacctttcc	gtcatctgga	120
ctctggagcg	ccaaaggaag	actcctccct	cctccattta	gccccattga	gatctaccgt	180
gatggagatc	aaggctatcg	gctgctagtc	gctgttgac	tggccaccac	tataaccac	240
tctttcctca	catcgcgatg	cgcatcagag	cttttcccgt	tttaa		285

<210> 7699

<211> 723

<212> DNA

<213> A.fumigatus

<400> 7699

cgcatagcgc	gtgtccttgg	gcccctgtgg	agaagactgg	ctgagaagtt	ggtatcgctg	60
gctcctggcg	aaaagctcca	agctgcaggg	gagttgcatg	ctccgcccac	cccgggtctc	120
gaaaagtatc	ccaagttgac	gctgcgagcg	ctcctgatgg	actacatcga	catcagagcc	180
attcctcggc	ggtcgttctt	ctcggccatc	gcacactaca	ccagcaacga	gatgcacaag	240
gaaagactcc	tcgagtttac	gaatcccag	tacttggacg	aattctggga	ttacacctcg	300
cggcctaggc	gaagcatctt	ggaagtcttg	catgagtttc	attcagtcaa	gatcccatgg	360
cagcatgtga	ccacgggtctt	ccccgtcttt	cgaggggaggc	aattcagcat	cgccagcggg	420
ggcgaattga	agaggacatc	aggtggggga	gcaaaattcg	agctattaat	tgccattgtg	480
aagtatcaaa	cgtgatcaa	gcggatccga	gaaggagtg	gtacaagata	cctgtctgtg	540
ctgcggccag	gcagtaccct	caaagtccaa	ctgcagcgcg	ggggactcag	ctcatccgtc	600
aaccaactgg	ttggcccgac	tgtgtctatc	ggacctggta	ccggcgtcgc	gccattgcga	660

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taa 723

<210> 7700
<211> 612
<212> DNA
<213> A.fumigatus

<400> 7700
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cgactgtgct tatcggacct ggtaccggcg tcgcgccatt gcgatcaatg ctctgggaga 180
aagctgcttt tgttaaagcc taccgaagaa gagcatccgg atgctaatac cccgatcggg 240
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gtcagggagg cgctcattga agcatttgaa catggtgggc aagctgatgg accacagctc 540
gcccgcgcg gagcggagga gtatctgata ggtatggaga agagtgggcg gtataaacia 600
gagacttggg ag 612

<210> 7701
<211> 489
<212> DNA
<213> A.fumigatus

<400> 7701
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cttgcaacgc ttcagagcga gctgcttctt ggtcttgacg gcagtgcact caagacgcag 180
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agccttgtag tgggtgacct tgtgctgggt gtgcttgccg cactccttgg acttgacgta 420
cgteccggca gttttgggaa cgttcaccta gagcgcaaga gctatcagca actgtccgct 480
acaatctaa 489

<210> 7702
<211> 234
<212> DNA
<213> A.fumigatus

<400> 7702
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gagtgcactg cctgcaagac caagaagcag ctgcgtctga agcgttgcaa gcaacttcgag 180
ttggggatag ttgagtcgcg gaatgtggcg atacgtggtc catgcatata ctaa 234

<210> 7703
<211> 276
<212> DNA
<213> A.fumigatus

<400> 7703
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gacgagtttg	ttaagcagat	tagcatggta	caagcagatg	tgcgacgctc	agagcctcga	180
caagagcacc	atgggttggg	tccctactgt	gggctccagt	gcgtaacatc	tgaagatggg	240
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<210> 7704

<211> 951

<212> DNA

<213> A.fumigatus

<400> 7704

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<210> 7705

<211> 597

<212> DNA

<213> A.fumigatus

<400> 7705

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tcggaggtta	tgatcaaccc	taccatgatt	aagaaacgtt	ccgtcaccga	gccagctcgg	360
cctgaagacg	tcaaaattaa	ggcggacgac	aacagtcaga	aagaaaaaat	gaaatccaga	420
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agctctaaaa	acgagccagc	agcgggcaat	gaacgcggcc	agatctccta	cgtggatact	540
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<210> 7706

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7706

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aaaggttaagc	aggcatcagc	atccagtgtc	tcctcgccag	gggttcacga	atgcttttcc	180
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<210> 7707

<211> 192
 <212> DNA
 <213> A.fumigatus

<400> 7707
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 acatctccat aa 192

<210> 7708
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 7708
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 ctctatgctg gcctgatcac atcctccttt acttttgcgg aattctcggc gggcatgttc 180
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<210> 7709
 <211> 753
 <212> DNA
 <213> A.fumigatus

<400> 7709
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 atggtgctgg ggggtatccct ggggggtcat gcagcgtgga gctgtctcct ccatgaacct 180
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 ggtgctatta cattcgaaga catcattgat gagaaaagctg gccacgaggt cactccgaag 660
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 aagagtgcgt atgtccggga atccaaaata taa 753

<210> 7710
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 7710
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 aaccttgaca agttccaccc tggttacttc ggtaagggtg gtatgagata cttccacaag 180
 accaaccagc agttctggaa gccaccatc aacctcgaca aggtacgttg a 231

<210> 7711
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 7711
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 gtcacgcacc tcctctccct gggttactct aagggtcttg gcaaaggccg tatccccgag 180
 atccccatcg ttgtccgcgc cagatacttc agccgggacg ctgagcagaa gatcaaggag 240
 gccggtgggtg ttgttgagtt ggttgcttaa 270

<210> 7712
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 7712
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 gatatcccaa acatccacct cgcctcactc cttctcaagt cgcaccgca cctctctcg 180
 tcaacacatc gatgcttctc cgaagccgcc cgcccaaca cccattactt caccacccat 240
 gacttccgat tgtggagcca gcgcttcgcg gctggcctgc gcaaagctgg gctgcagccc 300
 ggtgaccgcg tattgctctt ctccgggaat gatctgttct tcctgttga gttcatgggg 360
 atcatcatgg ctggcggaat ttccacgggt gccaatccga cgtttgtggc gagagagcta 420
 gctttccagt tgcaggatag cggagctttg ttcctccttt ga 462

<210> 7713
 <211> 1257
 <212> DNA
 <213> A.fumigatus

<400> 7713
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 gtagaatttg cacaggcctt acttcagcgg ctagtggagg ctggagcaaa ggggtgccgaa 180
 gtcttcggct tgctgagagt cgtttgggat gctttgcgca ctgcgcgcgc aacgtatgaa 240
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 ggtttccggt cgttgactac gtatctgcat gaccaaccag acaagtgtga gccgaaggat 480
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<210> 7714
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 7714
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 gtgaaagacg cttttaccgc atgctgggtc gcctacaagt ctcgcgcctg gatggctgat 240
 gaggttacgc cgctttctgg gacaacacgt aacggatttg gtggatgggg agccaccctc 300
 gttgacagcc ttgatgccct ataa 324

<210> 7715
 <211> 309
 <212> DNA
 <213> A.fumigatus

<400> 7715
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 ctgttagcgg cctacgactt agatcatgac aaacacctgc taaacaaggc cgtcgaggtc 180
 ggcgaaatgc tgtacgccac gttcgacacg cctaaccgca tgcctattac acggtggggc 240
 tttcacctga ttagtcttga tgaatatgta ttcaccaccg aggcacatcc cttgaagagg 300
 gctatgtga 309

<210> 7716
 <211> 288
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (19), (41), (43), (46)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cccgaccgtg aggatctggt ggtccgagac cccaagacgg gagtcgcgca tccgaccgcc 180
 cggagcaaga agattgcgtt cgggtggtcag gcggcctggt tcgagctgga gtatacagtg 240
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<210> 7717
 <211> 261
 <212> DNA
 <213> A.fumigatus

<400> 7717
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 ctccacccca caagcgctct gtatggccta ggttatgtgc cagaatacgt ggtctaccac 180
 gaattgatct tgacaagcaa ggagtatatg tcgactgtga ctgcagtgga cccacacgta 240
 agccgaacca tcttcatctg a 261

<210> 7718
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 7718

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gaacgtcgcg	tcaccgaaca	ggaattcaat	cgacggatgg	agatcgagac	ccaaatggcc	120
gccgaccgcg	agcgtgccgc	ggccgagaag	ttacgagagc	aggagcgcaa	cgatccctcc	180
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gatcatgttc	aagcatag					378

<210> 7719

<211> 267

<212> DNA

<213> A.fumigatus

<400> 7719

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ctcaccacaa	cgccgcagcg	caccatgatg	cttgacgcct	tcattggtgtt	tttgttgttt	180
gtcggcgctg	tgcaattcct	ctattgcgta	ttggctggaa	actacgtgag	acctgttccc	240
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<210> 7720

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7720

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gggaagaatg	cgcgatttgc	ggcgtggaa	ggcggggagc	agcaggggtg	ggtgtctcat	180
gaaaggtga						189

<210> 7721

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7721

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gccctgactg	cagctggcca	ctccgttgtg	gtgtctgcgc	cagcagaaaa	ccagagtggg	180
aaaggtagtc	ctgtttcccc	tcattccccag	cttaatcgca	gctga		225

<210> 7722

<211> 729

<212> DNA

<213> A.fumigatus

<400> 7722

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<210> 7723

<211> 732

<212> DNA

<213> A.fumigatus

<400> 7723

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<210> 7724

<211> 561

<212> DNA

<213> A.fumigatus

<400> 7724

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attcacagac	ttaaggatgt	tggcaaggat	cagccagtaa	gtttctgcgc	cagcggcaat	540
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<210> 7725

<211> 978

<212> DNA

<213> A.fumigatus

<400> 7725

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gcttttgctc	ctcctaccgg	taacaagatc	tttgctctctg	gtcgtcgacg	atacttccac	300
atctgggatc	tcgatactgg	caaggctcag	aaggtcaatg	gcactgcaga	tcgtaaggaa	360
gaacagaaat	ccatggagcg	gttcaagctt	tcgccctgtg	ggcggtagct	cggactagtc	420

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ggctcctctc gcaaaggagg tggatcatc aacgttctgc actcggagac ggcgcagtgg 480
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ggagaaggta tgactgtcgc gagcaagaac ggtgaggtgt ctgaatggga cggacgtctg 600
aaccgggttg tggctcgctg gatggacgcc ggggccgtgg gcacaacgac actcagcctt 660
ggtggacgct ctggacggac acagttgggt ggagaccgct gggttgccat tggaaagtcc 720
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ctcaccacgc cgatcagtcg tctggtcttt gcgccagacg ggcagttcct tgtcatggct 900
agtcggtgga agcgggacgc attgagattg ggtaagtctc tagttctgtc actgcttatg 960
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<210> 7726

<211> 819

<212> DNA

<213> A.fumigatus

<400> 7726

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ctctgggtata taatcgggct cgccatgcgc acggccattg atctcggcct gcacaggaag 180
gcaaacgaga tcaatctgga cccatggacc gcgcagatgc ggcgacggct tttctggaca 240
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cgaattatgg ccaatccctt cctccctgt tccaaaacgg tcttccttgg cccggtatcc 780
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<210> 7727

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7727

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ggagttgtac aagagaatgt ggcaaaagct ataagcagag gcattttaat tgtgccgact 60
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gagaaattgt atatttggca caccttatta ttactaatg acaccgcact tctgttcctc 180
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<210> 7728

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7728

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ctctctataa atctagcccc tagttactct gaggattcac agccacttaa tactcatact 60
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agtcacaaa tgatgcttat actaatagtt ttgatagaaa acgcccacaa actgtattat 180
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<210> 7729

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7729

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acaaaacact	ccttttagtat	ttacttctct	ggaaatctgg	ttctcaactg	gaaaataaaa	180
tattcagtct	ctccgtga					198

<210> 7730

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7730

catataaaaa	cttcattatg	ggtatcagga	aatcaagcat	atccagcaca	atgcagatct	60
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gacgtttctt	cttctatagc	gctcgctgtg	gcgtataagg	actctgatat	tcgcaatgtt	180
gccgctattg	tgttggggaa	cccggggact	ccttatcagt	tcgggtctct	tgagggttga	240

<210> 7731

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7731

ttcagcatcg	gttttgga	aggtaggacc	gctgatcgct	tgattacaat	ctgcggtgag	60
tgtcaaattg	ctgatattgt	ttcagactat	cctgctactc	cacctattgt	ccaaattacg	120
acgaccaacg	caggacgatg	ccgtttcggt	cctaattctct	atgctggggg	gaagggttgc	180
ttgtga						186

<210> 7732

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7732

aacaatatca	gccatttgac	actcaccgca	gattgtaatc	aagcgatcag	cggtcctacc	60
tttgccaaaa	ccgatgctga	actagctggc	agtcagccca	tgggcctcat	cctcagtgtg	120
aatgaattca	aacctcaaag	agaccgaact	gataaggagt	ccccgggggt	cccaacacaa	180
tag						183

<210> 7733

<211> 195

<212> DNA

<213> A.fumigatus

<400> 7733

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ctgcacatgt	tgctgaagat	gcgcagcttg	ccccccaagg	cggcaccagg	accggatggc	120
attttgaagg	ctatggacgg	tagtgacgag	aatgcagctc	gctgggtcga	catgatcaag	180
atcactcgta	agtga					195

<210> 7734

<211> 927

<212> DNA

<213> A.fumigatus

<400> 7734

acccccgatac	ccacctccaa	tgctcgccag	tgcgagctgt	ctatgatcgc	cgcatacggt	60
agtggagatgg	tccctcaggg	catccccgatg	gatcatgatc	cgaacgctct	catgccagat	120
ggcctgcccc	agcttggttc	atccccgtgg	aatcagcagc	tttcgagtca	tgaacagctt	180
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gatgaccttc	ctggaaagat	tgaaatgtac	atcaagaaga	cagcgccctt	tttctacgcg	840
cgggaaactt	ctgagattat	caagcatact	ttgctgctcg	cgtcggagtt	gagtcagcag	900
aagaaggtaa	gcatacgttc	agtatga				927

<210> 7735

<211> 252

<212> DNA

<213> A.fumigatus

<400> 7735

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ggggcgggcg	tcattgacgc	tgattaccgg	ggtgaagtga	aggttctggt	gtttaatttc	120
tcggatgtcg	attttacagt	taagggtggg	gatcggattg	cgcagcttgt	gcttgaacgg	180
gtgaggcttt	ttttgtgtgt	cattctgggt	gtgttgatgc	tgacgggtatc	tagatctata	240
cgcccgacgt	ga					252

<210> 7736

<211> 894

<212> DNA

<213> A.fumigatus

<400> 7736

cgccaactgc	caaacaatac	aagggtaggt	agtcgattta	gagatccctg	ctccccagcg	60
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gaaaaagcag	gacatgctcc	aggtcagctc	cagagctgcg	gaccgaggca	aaacagtcca	180
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ctaggtcaat	tagcaacact	tctggataag	tacaccgcga	tttccctctc	ttccatacat	420
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gctcctaccc	acgaacctcc	ctctctcccc	gcctctcccc	tcgccaaaacg	aacaaaaccc	540
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cctacccgcg	ggtccgcctt	cgctgcaagc	tacgacctct	acagcgcaaa	ggagaccgtc	720
atcccgcca	agggtaaagc	cctgggtgac	actgggcttg	cgattgctgt	gccggaaggg	780
acatgtatgc	ccccctcttc	cccgtacttt	ttgtggagcg	tgtatgctaa	ccagttaacg	840
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<210> 7737

<211> 315

<212> DNA

<213> A.fumigatus

<400> 7737

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gtcgaacgag	aatacaagat	catccacgca	ttagagaaga	ccgacgtccc	tgttcccaaa	180
gcatactgtc	tatgcgagga	tagcaacgtg	atcggcaccc	cgttctacat	catggagttc	240
ctggacggcc	ggatattcac	agatcctgcc	atccccggcg	taagcgcgga	agagcgaacc	300
gcactgtacg	tctaa					315

<210> 7738

<211> 738

<212> DNA

<213> A.fumigatus

<400> 7738

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tccggctact	acgaccgcca	gatcgcgacc	tttaccgccc	tgtccaatgc	gcaggcgcag	180
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gcggcgcggt	atgctctgcg	ccaagccagc	agtgcgcgtg	cgcaagaata	cgcgcagaag	660
accggaccgt	ttgccttaga	ggcgtgggaa	cggttcaaga	aggtgcagga	gcagggtgcgc	720
cagaagggga	agctgtag					738

<210> 7739

<211> 192

<212> DNA

<213> A.fumigatus

<400> 7739

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tacgtattct	tcgacacagc	ttatcaggca	tctgcgaatg	cgtactggtg	cactacacaa	120
tgtgttttgg	gtcatctcga	gaatctgact	tgttattact	ttaagtgcag	gccacttttt	180
tccgatttct	ga					192

<210> 7740

<211> 1935

<212> DNA

<213> A.fumigatus

<400> 7740

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gcacgagcgg	actctgacaa	tgacagtggg	gaggaatcgt	tattaccaga	gtcctgcatg	480

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<210> 7741

<211> 507

<212> DNA

<213> A.fumigatus

<400> 7741

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cccatttggc	atcagactat	ggaagccggc	tctctacaag	aagagccgtt	ccgtggagaa	120
gatgctgagg	gagatattca	ttcgtctcct	ggcggcagag	tgggaaatat	actcttcttg	180
gccaatttgc	tctggactgc	tttcttggg	tgggtggctc	ctcttgctgc	tctcttcggg	240
gccatcgcat	gtttcatatt	tgcataattc	cctagcgcag	tggagtacgg	aaaagtcttc	300
tggggacttt	catggtacct	cctctatcca	ttcgggtctt	ttgttcgtct	ggagaccgac	360
gaacactatg	cggaggaaga	tgaggggtgaa	ggccgcagca	ttagcgagta	tgagcaatgg	420
cagaacggtg	atctcgagca	cggcaggctt	ttctttggcc	cccgtagcag	ccggtctctc	480
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<210> 7742

<211> 753

<212> DNA

<213> A.fumigatus

<400> 7742

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aggcgaattg	atgcgccgca	gcttgagcgt	ttggcggcag	gtgatcacgt	ccggtttgaa	120
ctaggtggat	acctgacaa	catgttcttt	gtggagcttc	caacctttga	cgcttctggt	180
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tccacaaacg	taagcgtttc	ctcaattctt	gggaattcat	ttgaatactc	gcactcaaac	720
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<210> 7743

<211> 828

<212> DNA

<213> A.fumigatus

<400> 7743

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ttcaatttcg	atcctgcagc	aagacgtcgg	gcgcttgagc	gcatccaaca	gtctcgctg	120
atattcacca	cctgtgccgg	ggctggactg	ggactgttac	ggaatgagca	atttcacaca	180
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atctgtgaat	ttccatcggc	cgagttctat	aatgggagac	tccaagcagc	cgcttcatgt	480
cagaacaacc	ccttacctcc	ttccaatttt	ccgtggccta	gtctgccatc	agcaggcggg	540
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aaagcaaagt	ctggtcaggc	gcagctatgc	caacgcattt	accagttact	gacggactcc	660
cgttcgagta	ctgggtgctgc	gactatgcca	attgcgatac	tgacaccgta	cacaaggcaa	720
gtcaagaatc	cttcaagcct	cctctttcca	accagttgct	ttaaatttcc	accgttccaa	780
cgggtttcca	aggggcagga	aaacaaaatg	tttatcactt	tatgttaa		828

<210> 7744

<211> 1200

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1143)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7744

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accgttgaca	atgttgtcaa	cggcttcgac	accagcatg	aaggagtggg	cctgggtgcc	180
aacctcgtag	cgccagctac	cgaagcggcc	acgagaccaa	atgtccttgt	cttgcaactt	240
gggcaggatc	tgagttagag	caccctcacg	ctccagtgtg	ggggtggggg	agccatgggc	300
gaagcggcgg	tggttaggtg	agacaatctc	atcgggtggc	ttcaacatct	cggatttgac	360
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ggagccatcg	gcaagctgca	tgggtgggaag	cttcttcgag	gcctcaggct	ggttgtaagg	540
ggagtagttg	gagaagatgg	tggcacggta	gaaagggcag	ttgtcctcgg	ggaagtagag	600
ctgaatagcc	catacgttag	cacaaaaaac	ggagactgca	gaacggaaac	tgggcctgta	660
gtattgactt	accagcact	tgtcacccat	tctctcgggg	cgggagccac	gaacaccaac	720
accgatgacg	tgggtggaag	agtagaacag	ctgcttggtg	agaccaacga	gctcctggtc	780
gttcattggc	tcggccaaga	aatcaacagc	catggtggag	acaagcttct	tgtagccgat	840
ggtggtgccg	tctgcagcgg	tcaccgtctt	gttggtggca	ttgaccttgg	taaccttacc	900
cttctcacgg	aagcgggtct	tctccttagg	gagagtgttg	gccacggcaa	tccagatacc	960
accagtaccg	ccacgggcgg	ggaagcggaa	tgtagcgttc	ggaccccagt	taccagcggt	1020
cttgccgagg	ataacgttgg	tcgtcacggc	cttgagattg	ggagcagcaa	cacgctcacc	1080

gagccaggcg cattgcattc gatttacatc agcctgtttg ttcttcaagt gaaccggggc 1140
canactcctc ccggaaattg gggccccccc ccccccgatt ttcaaacgta ccttggatag 1200

<210> 7745

<211> 1221

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (91)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7745

```
ggccctacaa cttcaaggtc tgggctgtgc ccactatcca aggtacgttt gaaaatcggg 60
gggggggggg cccaatttc cgggaggagt ntggccccgg ttactttgag gaacaaacag 120
gctgatgtaa atcagatgca atgcgcctgg ctcggtgagc gtgttgctgc tccaatctc 180
aaggccgtga cgaccaacgt tatcctcggc aagaccgtg gtaactgggg tccgaacgt 240
acattccgct tccccggccg tggcgggtact ggtgggtatc ggattgccgt ggccaacact 300
ctccctaagg agaagaccg cttcgggtgag aagggttaagg ttaccaaggt caatgccaac 360
aacaagacgg tgacgctgca ggacggcacc accatcggct acaagaagct tgtctccacc 420
atggctgttg atttcttggc cgaggccatg aacgaccagg agctcgttgg tctcaccaag 480
cagctgttct actcttccac ccacgtcatc ggtgttggtg ttctgtggctc ccgccccgag 540
agaatcggtg acaagtgtg ggtaagtcaa tactacaggc ccagtttccg ttctgcagtc 600
tccgtttttt gtgctaacgt atgggctatt cagctctact tccccgagga caactgcctt 660
ttctaacgtg ccaccatctt ctccaactac tccccctaca accagcctga ggccctcgaag 720
aagcttccca ccatgcagct tgccgatggc tccaggcctc agagcactga ggccaaggag 780
ggcccttatt ggtctatcat gttggagggt tccgaatcct ctatgaagcc tgtcaaccag 840
gagactatcc tggccgactg catccagggt ctggtcaata ccgagatgtt gaagcccacc 900
gatgagattg tctccaccta ccaccgccc ttcgaccatg gctacccacc cccacactg 960
gagcgtgagg gtgctctcac tcagatcctg cccaagttgc aagacaagga catttgggtc 1020
cgtggccgct tcggtagctg gcgctacgag gttggcaacc aggaccactc cttcatgctg 1080
ggtgtcgaag ccgttgacaa cattgtcaac ggtgtctgtg agctcactct caactacccc 1140
gacttcgtca acggtcgtca gaacactgaa agacgtctgg tggacgggtg tcaggtattc 1200
gccaagagca agggccagta a 1221
```

<210> 7746

<211> 267

<212> DNA

<213> A.fumigatus

<400> 7746

```
ttacctaaact actgcttttc cgtgacacgg atatggcagc cgtttggggc cttctgggta 60
atttcgtggt gtcccgagcg gagacgaacc aaaatccacc ggattgccat attgggtcaa 120
ccgggtcaat ttaggaccca actagaccta tttgcgttta gtggccgtgt cagggaactg 180
cacaagccga aggctaaggc aggcaagacc ctgttcgcag taaattatta cttaccgtac 240
ccattacgac aggc aaatca tgagtga 267
```

<210> 7747

<211> 1152

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (547)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7747

ccgagtgacc	agattaccac	gcgtactgcc	caactactgc	agcacaatcc	aggcgaacct	60
accgcagggtg	cattaaactt	actattcatc	atggcgccac	ctaatatgcc	gattcgtctt	120
tcggtccaca	ctggcaccac	agacggcaag	cacccccagc	ttccaaaagg	gtcacagcca	180
acccctccaa	ttaccccaac	tatcagtcac	ggcgcgagct	cgcccgaggt	cgacacacca	240
agtcgttcaa	tatctcctgt	gcccttttca	ggaggacagc	tgcacgacgc	cgtaccatct	300
gaccatcaga	atgtaactgc	gccacacaag	ttctctgacg	aattggagtt	ccactatgac	360
tccaagggcc	gcaagttgga	gtttggccgt	ggcggttgga	gcgtcgtgta	catggcttcc	420
tcccgcgac	cttccatccc	agctgcactg	agccctccaa	gctcgcccgc	atcaggaagc	480
cgcgtggtgg	ccgttaaaaat	gcctgggcga	cgcgatgcgc	ccccagtgct	tgacgccgag	540
gccctancgc	tgacccgtct	gagcatgggt	gctgggttgcg	cggaccatat	cgtgccattc	600
cacggctaca	ttgccgattc	tcatgccatc	gtcatggggcg	ctgtgccgct	tgccctctca	660
gcctatattg	aagaaaaggc	tagtgacagc	aagaagcaca	tgtccaccag	tacgatgttt	720
gaccccgttc	aaggcatggc	cgaatggcac	ggtctcgcca	ataaacttgt	cgcgggactc	780
gattggcttc	ataacggcgc	tgaatgggtc	catggtgata	tcaaacctaa	caattttcta	840
ttgcgcccc	gccctattgc	caacgacctg	gattccgacg	aattcccctt	tgaagccgct	900
cttcgcagac	ttttctcttg	cgcaccccat	cggcgactgc	acctcccgca	aacgatggca	960
acggccctga	aagccctgat	gccaccattc	accgcccccg	aaactcttgt	ccatctcggc	1020
gctcaagtcc	cctggaactt	cgcccccaat	tccaaccgtc	agaagtcttc	ctctctctcc	1080
aatggaatcc	tccttcccaa	cttgcgcaatg	ggaagatttc	cttactctta	cccggggcca	1140
ccagccaaat	tg					1152

<210> 7748

<211> 1041

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (14), (23), (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7748

gggcccgtcg	atanagatca	aannatggcc	gcccggtgcc	taaagggctt	acagggggcg	60
acggatgagt	ggggctaccg	catccccttc	gccatccagt	gggtgtggcc	cgccccatc	120
ttcatcgggc	tcttcttcgc	ccccgagagc	ccctggtggc	tcatccgccc	agaccggcgg	180
gacgacggcg	tcaaagcgct	caaccggctg	gccagaaccg	gacatccgga	cttcaacgcc	240
gacgagaccg	cgtcgatgat	cgtctacacc	aacacgctgg	aaaaacaggt	cgagacaggc	300
acatcctacg	tggactgctt	ccgcggtatc	gacctgcgcc	gcaccgagat	ctcctgtctc	360
gtctggggcg	cccagagtct	ctgcggcgcc	gggctcatgg	gctactcgac	cttcttctat	420
cggcgtgctg	gcctcgccgt	ctcccagctc	ttcaccatgt	cgctcgtcca	gtacgccatc	480
ggcgtgggtg	gaacctttct	ctcctggggt	atgatgacct	acttcggtcg	tgcgacgcta	540
tatgtcggtg	gactggcact	gctggccatc	gttctcttcg	tcatcggtct	tatctccatc	600
cctcactcca	ccccggccct	ctcctggggc	accgggtcca	tgctcctcgt	ctacaccttc	660
atctacgatt	caaccatcgg	cccggtttgc	ttctctctcg	tctccgaaat	cccctcatcc	720
cgactccgca	ccaagactgt	ggtgctagcc	cgtaacctgt	acaacgtgat	caatctgggt	780
tccgggaatca	tcatcccgtc	catgctcaac	gtggacgcat	ggaactggag	aggcaagtcg	840
gggttcttct	ggggctcggt	ctgcacctgc	tgtttgatct	ggcgcttctt	cgcaccccgc	900
gagcccaagg	gtcggctcta	tgccgagctg	gatattctgt	ttgagcgtag	agtcgcgacg	960
cgggagtttg	caactgccga	gacgggcttg	gtggagggga	gaagcgatta	caaggttgat	1020
ccacttgctg	ttagggtttg	a				1041

<210> 7749

<211> 687

<212> DNA

<213> *A.fumigatus*

<400> 7749

gtggggctac	cgcatcccct	tgcgcattcca	gtgggtgtgg	cccgtcccca	tcttcatcgg	60
cgtcttcttc	gcccccgaga	gccccctggg	gctcatccgc	cgagaccgcc	gggacgacgc	120
cgtcaaagcg	ctcaaccggc	tggccagAAC	cggacatccg	gacttcaacg	ccgacgagac	180
cgcgtcgatg	atcgtctaca	ccaacacgct	ggaaaaacag	gtcagagacg	gcacatccta	240
cgtggactgc	ttccgcggat	gcgacctgcg	ccgcaccgag	atctcctgtc	tcgtctgggc	300
cgcccagagt	ctctgcggcg	gcgggctcat	gggctactcg	accttcttct	atcggcgtgc	360
tggcctcgcc	gtctcccagt	ccttcaccat	gtcgctcgtc	cagtacgcca	tcggcgtggg	420
gggaaccttt	ctctcctggg	ttatgatgac	ctacttcggg	cgtcgcacgc	tatatgtcgg	480
tggactggca	ctgctggcca	tcgttctctt	cgtcatcggc	tttatctcca	tccttcactc	540
caccccggcc	ctctcctggg	ccaccggggt	catgtctctc	gtctacacct	tcctctacga	600
ttcaaccatc	ggcccgggtt	gcttctctct	cgtctccgaa	atccccctcat	cccgactccg	660
caccaagact	gtggtgctag	cccgtaa				687

<210> 7750

<211> 372

<212> DNA

<213> *A.fumigatus*

<400> 7750

aggtcccagc	gattgtttgt	cttggagtcg	cgccattgta	gaacagtcgc	aatgagccac	60
ctcgataaacc	ccggaactct	tttgaaggag	atcctggtaa	ggatcccact	cattttgaag	120
acggcccttc	tgcattgcact	ccatatgtcc	cctggctctg	ggaaacaaga	tcttcgcacc	180
gagttgaccg	tcgccattat	ccgctcgttt	atcaacttca	agctccccgt	tagcaagcag	240
cagaagggca	gtatgcgcga	cccaggcatc	aagggtccca	tgtgggtgtc	caaggtcacg	300
tttctctggc	ctgagaacga	tgtccaggat	gcgggtcatca	aagcgtcttc	accacgcggg	360
ggagatcaac	ga					372

<210> 7751

<211> 315

<212> DNA

<213> *A.fumigatus*

<400> 7751

attgattgcc	ttccgacaac	tattgttctt	tctacctgtc	ttacctgggt	gtcgtcgatc	60
atcgtcgcgc	cgccacggc	cctcgagttc	tccgtacctc	agtcgcata	ctctactctt	120
tctttcttcc	actcatcttt	cgctcttatg	ggcgcgctca	tctctataac	ttatgtctct	180
tctttcttcc	ctttattctt	gtcgttcttc	tgtaaatatg	tcttccatat	tcttcgccat	240
gctacgggcg	actacctcat	cttctcttca	ccccgaccgg	tccttatcat	cctctacagc	300
gtacaagctg	tctga					315

<210> 7752

<211> 450

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222>

(8), (37), (48), (59), (62), (72), (83), (92), (93), (94), (116), (126), (127), (138), (146), (147), (150), (151), (153), (154), (155), (156), (157), (158), (159), (160), (161), (163), (164), (165), (166), (167), (168), (169), (171), (172), (173), (174), (175), (176), (177), (178), (179), (180), (181), (182), (183), (184), (185), (186), (187), (188), (189), (190), (191)

1), (192), (193), (195), (196), (197), (198), (199), (200), (201), (202), (203), (204), (205), (206), (207), (208), (209), (210), (211), (212), (214), (215), (216), (217), (218), (219), (220), (221), (222), (223), (224), (225), (226), (227), (228), (229), (230), (231), (232), (233), (234), (235), (236), (237), (238), (239), (240)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7752

gggggggngg	gggggggggg	gggggggggg	gggggggngg	gggggggngg	gggggggngg	60
gngggccggg	gngggggggg	gngggggggg	gnnngggggg	gggggggggg	gggggngggg	120
gggggnggtg	gggggggngg	ggcggnnggn	ngnnnnnnnn	ngnnnnnnng	nnnnnnnnnn	180
nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnngnnnnnn	nnnnnnnnnn	nnnnnnnnnn	240
ccccacccc	catactctgc	tctcacttac	ccttcgcgcg	ttccagtctc	acactccact	300
atcacccata	tgcgagtaaa	gcgaccggcg	caagaactga	gtccggagca	tatatattta	360
gcgaccggtt	tgattggcct	gaatgttctg	gtgaagggtg	aatccacgga	tttctggttg	420
cagctcaatc	agtcaggcaa	gcaaccataa				450

<210> 7753

<211> 198

<212> DNA

<213> *A.fumigatus*

<400> 7753

ccctcagtcg	ttgatgatgt	tcaagtggcc	cccggtaaga	atgcatgtca	acatgcagaa	60
aggtcatgga	cggacggtgg	taacccccca	ctgcggctgg	caatcggagc	cttgttctcc	120
tataaatgct	ctgacccgca	gtcattgtac	ggtgtcaagc	tgtacattag	acccggtctc	180
cacctatcca	gaggataa					198

<210> 7754

<211> 219

<212> DNA

<213> *A.fumigatus*

<400> 7754

atatggggtg	ctgactctaa	attcgcggct	tcccccgcca	atggagggaat	ggggaatcag	60
aagattttac	ccattccttc	tcagtcgtgg	cgggattctc	ctgaacatca	tcaagtatcc	120
gttcgcggtt	tcgcgacagc	tctagttacc	cagaaccgtc	aaaatgtcga	aattacagca	180
attccctcta	tccaagggat	ggagcttcag	agacaatga			219

<210> 7755

<211> 1029

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (940)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7755

caagtatggc	aaacttttaa	gtctgcacta	actggccgag	ctaactattg	tttttttccc	60
tgggggtaca	ggctgaagga	tccctatatc	gggttcaacg	agctcgaggc	gagatgggtc	120
aacgagaaat	cgtggaccta	caaaactggt	ttccagaaac	cagctgctcc	cgctggatct	180
tgcattgtcc	tagcattcga	cggcctggac	acattcgcta	aggtcaaact	tgacggcaac	240
gtcatcctcg	agaacgataa	catgttcctt	gtcgtcgcg	tcgacgtcac	caaggcgctg	300
gaagccgagg	gtgaccacgt	tttagaaatc	gacttcgact	gtgcctttct	gcgtgcaaaa	360
gagcttcgca	agcaggaccc	caggcacaat	tgggcctcct	tcaatggtga	cccttccaga	420

```

cttagtgtac gaaaagctca ataccattgg ggctgggact ggggcccggg tctcatgacc 480
gctggcatct ggagagaagt gcgacttgag gtttactctg caagagtcgc ggatctttgg 540
accgaagtgc aattggcttc ggaccatcag agtgctcagg ttactgcttt tgttgaagta 600
gagtctgtgc actctgggtc gcacagggtc tgtttcactc tcagcttgca tggccaagaa 660
atcaccagag aggagattgg tgtgactgag aatggcaccg ctaaggctac ctttgaatgc 720
aaggagccct cactctgggt gcccacatgg tacgggtgacg ccaccctcta cgaagtatct 780
gtgtccctgg ttaaggagca ggaggagctt cacagagttt ccaagaaatt cggtatcaga 840
accgccgagg tcattcagcg gcctgataag cacggaaagt cctttttctt ccgtgtcaat 900
ggcgctgata tcttctgtgg tggttcctgt tggatcccan ccgataacct ccttcccagc 960
atcacgcgtg agcgataccc gcaatggatt gagctcatgg ttcattggccg tcaagtgatg 1020
atcaagtaa 1029

```

<210> 7756

<211> 660

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (369)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7756

```

tacccttgcc ttaccaggtc tcgaactcgc atgaacggag caacacagac tttccgccgt 60
ccgtcagtcg caacgaaccc ttctcaaacg cgagacctcc ctcaaactac atctgctacg 120
catccgacgg tcggtgctta tactcccca cacatgaact caaatcaatc cggcgcaatc 180
cgcaacgggg ccggcgagaa tcggtattcc aaagaacaac tgttgagtct ctacaaagct 240
caacgtgagt cgggtactct aggtaaaaac gttgcggatt actttatcgc cgactgggaa 300
cctcacgtgg agactcctcc caccaacgga gcatggggaa agcgagagga ttccaaggat 360
aatcctcgng gacctgagat ttgttgggat cacggcgggc aggtggagcc tctgggctta 420
gtggatatga ctggtgatga gaaagagggt ggttttgtct ttgtgtgccc ccttgggtct 480
gaacacctga agatcgccct tttgattcat gttggaactt gccgtgctga atcgtgtagt 540
tattttccgc ctcggtcaac tctccgctca agcctcccc gaccagcgcc accaaggaaa 600
ataccggtgc tgccactgga ggacgcaagt catccatttc gtatccccag agccacatga 660

```

<210> 7757

<211> 441

<212> DNA

<213> *A. fumigatus*

<400> 7757

```

ttattttccg cctcggtcaa ctctccgctc aagcctcccc cgaccagcgc caccaaggaa 60
aataccggtg ctgccactgg aggacgcaag tcatccattt cgtatcccca gagccacatg 120
aacaactaca acacgtcttc cccagttcc gcgcgccccg gccctaggcg tcgggagacc 180
ggcgaatctg tgagtaacgc catgtctcct accaccagt gctcccgttt cttccgcgac 240
gaaccgacca cttttacccc gcctccgtct ctattgcgcc gcaaaaccga ttttcgcgag 300
actacgtcta tttccaagt ggtatcagaag gataaggaag ctctgccccg tgacggtggc 360
tctggagaag tagcctctcc gtttgggtct gtgcaacgga gcgccacttt aatgatcacg 420
ccggggagtc gaaggaatcg t

```

<210> 7758

<211> 198

<212> DNA

<213> *A. fumigatus*

<400> 7758

gcgagatgg	agctgggtcaa	attaattctt	ataagctcct	ggtctctgac	acaagttgca	60
aataatgagg	ttacaggctc	cagcttcaca	gactcgaccc	ttatgatcaa	aatgagcatt	120
gtagacctcc	agaatgtcct	gatagaaact	tgcaagaccg	atacaggata	caagcgttat	180
ctgttgctga	catttttaa					198

<210> 7759

<211> 348

<212> DNA

<213> A.fumigatus

<400> 7759

ccaccaatga	gactgtttac	tgactttgtc	actaagggtca	ttggggccggt	caataccatg	60
ctaagcaaga	tttaccctga	cacgtacaaa	aactctcctg	ccagtaggaa	tgtctcttcc	120
atcgctcttg	caggaaccgt	gcttggtcaa	cttatttttcg	gctatgtcag	tgatcattgg	180
tcgaggaaat	gggctttgat	ggtctccacg	gtgattttga	tcatttttcag	cgcgctctct	240
gccggctcct	acggagctca	tggtagccaa	gctggtttgt	tcgccgctct	gaccgcgtat	300
cggttcttgt	attgcagacc	cgggcctgga	aggtaccgcg	atggcgtg		348

<210> 7760

<211> 327

<212> DNA

<213> A.fumigatus

<400> 7760

acgcataacc	ttcttgccgc	ggcgtgtaga	cacacagtgc	tgattgtcag	cctgccaaacc	60
gggagtggcc	tacataaatc	cttacctttc	agagactcag	actgggtggtg	ttggcactct	120
ggtaagctcc	ctatttcctc	cagcctacca	catgttgatg	tatgggctgc	tgacctactt	180
caagtagaat	ccctacttat	ttacccggtc	ccttcggggag	aaatacctag	cagctgtgga	240
ctcaagacta	tcaattacat	aggcaacacc	caggaccaac	gccaggcact	gaagaacctt	300
tggtggcgctc	agtactggcc	agcatga				327

<210> 7761

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7761

ctgacctat	tgattggttg	tttcgtat	attcaccatc	gttgtccatc	aagcccctcg	60
tctggatttt	ccctccagt	tctggctatc	cctgtaacac	agacagacga	tattctcagc	120
tcggcggtatc	agaccaacgc	ccaccaatcg	gccactgacg	gcgtactcta	tcgtgcgagc	180
gtccagtggc	gcagtttag					198

<210> 7762

<211> 516

<212> DNA

<213> A.fumigatus

<400> 7762

gatgaacgca	tcggcagcat	agtttggcat	tcgttcctac	cttccccgga	gaaccacgcg	60
accatctgct	caatcaatct	ccaaaagatg	cactccgctt	tcacgtcct	cgcggtctcg	120
gctgcagccg	ttttcgtgga	gggaaccgat	gtccaagtgt	tccaagcagg	ccccacgacc	180
cttcctctgc	acgccgtaaa	ggccagcgtc	gttaatgcca	atgctgtcgc	aaccactctc	240
gccatcaagt	gcgagggaaa	cgtatgcacc	cccgggtgatc	actgcggcct	ctgcagccct	300
ttcaccatca	cccagggccc	gtccacctac	agcgtcagcg	cagtctactc	agcctctgtg	360
ggtggagtcg	aggaaacgca	cactgtagta	caagactgcg	acatcacctc	atccaccgag	420
ttgggccacg	tgcacactgt	ccgccaaagt	ggaagtctcg	gcacttggaa	gaaagaccgc	480

cacctcgtcc tcggcgacgg ttaccttoca ctctga

516

<210> 7763

<211> 1797

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1768)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7763

cattttg	cgt	cttcttttcg	ccatctgtac	tcaactgattt	gcgttctcgg	acagcaagga	60
aactctg	ctc	gatctcccc	gctgtattc	gcacatctc	tccaacagtt	gagcgtctc	120
tcaaccc	ctg	tccttactct	cccagcggc	gcctcgcag	acgctcatga	tgacaacgtg	180
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<210> 7764

<211> 273

<212> DNA

<213> A.fumigatus

<400> 7764

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gccaagc	tta	agtacttctg	ggttatcaat	attggcgggg	gtgctacagt	cccgaacgac	180
aacattg	aca	cctgcattat	agtctaccag	caatatgtaa	atgattcacg	aagtatatat	240
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<210> 7765
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 7765
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 accccccccc actaccccc cccaccccc ccccaccccc ccccgccccc cccccccccc 180
 cccccccac gacccccccc gctaggcacc ccccggttca caggcccccc cccccccccc 240
 cccccccgc cccccccct caagcaaccc ccaatatccc aaaaaaccaa agccgcctcc 300
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<210> 7766
 <211> 639
 <212> DNA
 <213> A.fumigatus

<400> 7766
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 gaatctttca ttactcgcaa caaaacatcc aacatgcgac tgccacaggc cgacgcagac 180
 tcagcgagca acatgcgac caccgccact ggctggagac gactcagcgt tggcgctcgtg 240
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 aatggaacgc gctggctaca tgagtgaag gtggatatcg ccaaggggga ccccggtgtg 420
 ctgcgcaagc tgatcaaccg cgactggaag acgggggagc ctgtcagcgt gtatgatcta 480
 gctgggtatg aggagcgatg ggggtacgtg tactacatgt tccatcgga gtacatgcat 540
 gccatgttga aggattgcgc gatgcaagag gagggggagg ggacgcgggt gaagctgctc 600
 gtgaaccatc aggtagggct tctggcccac actcagtga 639

<210> 7767
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 7767
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 ggtctcaagc cggagaagaa accgcgcgac tcgagctgtc tgcacgcaa cgtacgcacc 180
 gaggacgcg tccgcctcgg gctggctgat tactcgcagc acagcgcgct ggagtactgg 240
 ggcgggcagg acaacagctg ggacaagatc gtgctgtcgc cctgcaacg tggcagcctg 300
 ctctcgact actgtttctt cccgcgggag aaaggcgatt tcacgaacca cacgtggggc 360
 ggcacggacc ggccgggttg ggagctgctg gcgccgtatc ccgagctgga caagcagggt 420
 cgggcgcacc tgccccattg ggcaggagat ccggccgtgg cggctgtggg tgcacagcc 480
 gtacccgtat ctgggtccgta a 501

<210> 7768
 <211> 480
 <212> DNA
 <213> A.fumigatus

<400> 7768
 cgggggggggt cgtggggggg gggggggggg ggggggaggg ggggggtggg ggggggtgg 60
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 ggggggcggc cgggagagga tgcccagggc aggggggttct tcgatagcca tgcaggcgcc 180

ctggctctgg	tgcggcatca	tttacagcca	atcagcggag	ggcggcgggg	ggggaaatgg	240
gaaccaaagg	taccggatga	ccagcatcgc	ccagcagaca	caccatgtta	cggaccagat	300
acgggtacgg	ctgatgcacc	cacagccgcc	acggccggat	ctcctgcca	atggggcagg	360
tgcgccgaa	cctgcttgtc	cagctcggga	tacggcgcca	gcagctcctc	aaccggccgg	420
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<210> 7769

<211> 378

<212> DNA

<213> A.fumigatus

<400> 7769

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tgcggcatca	tttacagcca	atcagcggag	ggcggcgggg	ggggaaatgg	gaaccaaagg	180
taccggatga	ccagcatcgc	ccagcagaca	caccatgtta	cggaccagat	acgggtacgg	240
ctgatgcacc	cacagccgcc	acggccggat	ctcctgcca	atggggcagg	tgcgccgaa	300
cctgcttgtc	cagctcggga	tacggcgcca	gcagctcctc	aaccggccgg	tccgtgccgc	360
cccacgtgtg	gttcgtga					378

<210> 7770

<211> 612

<212> DNA

<213> A.fumigatus

<400> 7770

gcacccgatt	ggaacagaag	aatattggag	ctgatcacga	tccttgaaaa	cagtgcacc	60
cgcaagcagg	tgaaccaggg	ttggggcgct	cagactggcg	acaaggctgg	tgacaaggct	120
tgggatgacg	agagagccgc	tgagaatctt	gtcagaacg	aatccgaacc	ccagaccccc	180
gccaacgagg	agcctgctga	gcccgcgaa	aagaccaaga	cttacgccga	gtaccttgct	240
gagaaggccg	cccagggcga	ccttgccgcc	aagcccatcc	gcgcccccaa	cgagggcagc	300
aacctcgaca	agaagtgggc	caacgccaa	gagctgaagc	gcacccccga	ggaggaggag	360
gcctacatca	aaggcaagga	agagaaggcc	aagcgcgaga	agcagcgcaa	ggagaagaac	420
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cgtggtggac	gtggcggccg	tggtggtcgc	ggtggccgtg	gcaacggtgc	tcctcgtagt	540
gagcagcagc	agcgcggtgc	tcccccgctc	accgtcgacg	agaagaactt	cccctccctc	600
ggtgccaaat	aa					612

<210> 7771

<211> 219

<212> DNA

<213> A.fumigatus

<400> 7771

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gtgcaggctc	tggaagccga	gacgctacaa	ggccaaacgg	caggacgctg	ggccaactcg	120
gccaagcaac	tggtggccgc	tacaggactg	aatgcagagc	aaatcctggc	aggagtgcgc	180
cctgacaacc	aggcggcggc	gcgaagctac	ttccagtga			219

<210> 7772

<211> 912

<212> DNA

<213> A.fumigatus

<400> 7772

gcaattaacg	aagccccaag	gctcttgcaa	acaacgttca	gacggcatcc	gaccctcgca	60
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actctagcca	caggcccgga	ccagcgcgtc	gacgtccacg	caccaaccat	ccccatcatc	120
tccatcccca	cctccctctc	cacaggcgag	tactccgact	tcgccggcgc	cacagacgac	180
accacccgcc	ggaaacactc	ctttcaggcg	ccgacgcgcg	ggcctcagct	cgtcatcctc	240
gacccggacc	tcgcaaccac	caccccgcg	tccatctggc	tgagcaccgg	catccgcgct	300
gtcgaccact	gcgttgagac	gctgtgcgcc	acgactggca	aatccgagac	gacagacgcg	360
cacgccatgc	acgccctgga	gctgctcgtc	ccgggcctgc	tgccgtgcag	acatgaccct	420
gccggccacg	accgcgacgc	gcgcctgcag	tgccagcgtg	gcgccgtgaa	tgccatggcg	480
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gtcggggctg	gccgggatgc	gctggacgag	ctggcggcca	acagtctgca	tgatcgctgg	840
tgcaagacga	atcccgatgc	gttgacggag	aagaagcaag	tactggagat	tctggaaatg	900
gccgtggagt	ga					912

<210> 7773

<211> 282

<212> DNA

<213> A.fumigatus

<400> 7773

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gccgttgaag	ctttctcatt	cttgaaggaa	cgtctacctg	aaacctatac	gcacctcgtt	120
gttgacgtca	tttgtggctc	tggttttagga	ggactcgcaa	ataccatcca	tgacgagccg	180
cgagcagaat	ttgaatatcc	ttccataccc	catttccctt	gtctgacagg	taaaaatgaa	240
gccttgaagc	tcaatatcaa	cctgctgatt	tctgacctct	ga		282

<210> 7774

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7774

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acggaggaat	tcggaccacg	attccctcct	ctgtctgatg	catacgatct	cgagctccgt	120
cgccatgcac	atcaggcatg	gaaagcagtg	ataagcgaga	acagtacacg	aagactgcac	180
gaggggtgtg	atgcctttgt	tgccgggtccc	aggttcgtga	ctattttctc	aggaccatga	240

<210> 7775

<211> 363

<212> DNA

<213> A.fumigatus

<400> 7775

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actcgagctg	agtgtcgtat	gcttcgccaa	gttggggctg	atctagttgg	catgtcaacc	120
gtgccagaaa	taatagtcgc	gaggcactgc	ggcattaggg	tactggcggt	cagcttggtg	180
accaacaaaag	cggctcctctc	tccagttccc	cgaggagatg	atcatcttct	tcaagccaag	240
gacgtgaagg	aactggattc	tatactgcaa	gaaggcaagg	caaaccacga	agaagtcctc	300
gaagctggcc	gcacagcagc	catcgatatg	caggtgaagcg	cattgagaag	cttatcggta	360
tag						363

<210> 7776

<211> 381

<212> DNA

<213> A.fumigatus

<400> 7776

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tcggtggcct	cgatcaatgg	gatgcagggt	aaggaatata	ttcaaacct	gacggacgag	180
ggaaagatca	gggtggaaaa	gatcgggaagc	ggcaactggg	actgggtgtt	tgggtgggat	240
gagaaaagag	agaagcaagc	aagattaaac	cagctcgaga	aagagggtgaa	aatgctgcaa	300
gcgagctatg	acgaagcaga	ggctagtctg	gcggacaaaa	ggggtcttca	ccacgggggt	360
ggaaggatcc	gcgctaagat	a				381

<210> 7777

<211> 261

<212> DNA

<213> A.fumigatus

<400> 7777

aagcaaccgc	ctgacactgc	tcgtatcagt	gaaactgact	caactgagttg	gaaatctagt	60
gaagatttcc	cccgatgctc	tcccacgggt	gaccctcacc	acgataggac	tatgtcctac	120
ggcaaattcc	ttgcgctgag	ccagaattcc	ttcgtccagc	ctccggacca	ggacgatggc	180
gcgcgagaca	ctcaaggcga	gcctgtgctc	aggcgacaaa	aacgtcaagc	aactgtctac	240
gatgctgtgg	ctggttggtg	g				261

<210> 7778

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7778

tccatccagc	aagcctcgg	cacttcaact	acccatcaaa	cgaccacgaa	cgctccgttc	60
aagccgatcc	tcaccgtaa	tcaccaacct	cacaccgcgc	atcaccggtt	ctcgctccgc	120
ttcttcgacc	acctctctac	ctccgtcaac	gcccactcc	cctctcacac	cgccactac	180
acccgacgag	atctcccgtc	ctag				204

<210> 7779

<211> 1227

<212> DNA

<213> A.fumigatus

<400> 7779

actcattcga	gtccaagtat	caggattaaa	agggtctatg	agctcactgc	tggccgtctc	60
ttgatacttc	ttcgaggaac	tgactccatc	accactaatc	cactccagaa	aaggtcttcg	120
tcaacagcga	gtatgtcacg	acctgcttct	gttgctgagg	atatttctca	aggatatcaa	180
gatgaagccg	gcaccgacga	cgaaaatgat	gtgcccgtag	acaaaaagac	ctctttcaac	240
ggcagactga	accaatactt	tcattgcattc	aagaacgtcg	caccgacagg	agagtcgctg	300
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cgaccacgaa	cgctccgttc	aagccgatcc	tcaccgtaa	tcaccaacct	cacaccgcgc	480
atcaccggtt	ctcgctccgc	ttcttcgacc	acctctctac	ctccgtcaac	gcccactcc	540
cctctcacac	cgccactac	acccgacgag	atctcccgtc	ctaggtcccg	cgcgcggcag	600
ccctctacac	cagctacatc	ctccatctgc	ctcctccgcg	acaccatccc	gccgaatctc	660
accctcctcc	tggtcggcgt	aaacccaggc	atcatgaccg	gcaccacagg	cttcgcctac	720
gcgcacccct	ctaattctct	ctggaaactc	ctgcaactgg	cgggcattcac	ccccatccgc	780
caccgcacct	cagacaccta	ccgcttaccg	gagctctaca	acatcgggaa	cacgaatatc	840
gtcgagcgctc	caacgcgaga	cgcaagcatg	cttagcaagg	cgcagatgaa	cgcggtgtct	900
cccgtgctcg	aggccaaggt	cgccaagcag	cgcccagagg	cgggtctgtct	cgtgggcaag	960

agtatctggg	aggctgtgtg	gcggtgtg	aaggggaggg	cgatccgcaa	ggaggagttc	1020
cggtatggct	ggcaagatga	gacggagaat	atggggcgat	gtgatggccc	tgatggatgg	1080
gaagggg	gggtgtttgt	cgcgacgaca	acgagcggcc	tcgctgctgg	gatgagcatc	1140
gcgagaaaac	aggccgtgtg	gaatgaatta	gggcgctggg	ttattcagcg	ccgtgaggct	1200
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<210> 7780

<211> 1632

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1534)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7780

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catccagacg	gagaccatca	tggcacgaca	aacgtccagg	aatcgatatt	cttggacgag	180
gatgtccgag	ccttcgatgc	cgccttcttc	tatatctcgc	cgacgggaagc	ggcggccatg	240
gatccgcagc	aacgattact	gctggagaca	gtgtacgaat	cgcttgatgc	cgcggggtta	300
cggatggatg	cgctgcaggg	ctccatgact	ggagtattct	gcggtgccct	ccgcaatgac	360
tacagtcaaa	tccagaccat	ggatccccag	gccctcccag	cgtacatggg	gacgggcaat	420
tcgcggtcaa	tcatggccaa	tcgcatctcc	tactactttg	actggcgtgg	tcctccatg	480
acagttgata	cgggatgctc	atccagtcct	cttgcgtgcc	atctcggagt	cgaagctttg	540
cagaacgatg	actgttccct	ggcagtcgca	gtagggagca	acctcatcct	gtcacccaat	600
gcctatatcg	cagactctaa	aacacggatg	ctgtctccta	ccggtcggag	tcgcatgtgg	660
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ctacgggacg	ccatcgctcg	tggggacccc	atcgagtgcg	tgatccgagc	ttccggggcg	780
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atcctccaaa	cgtacgcacg	cgcgggacta	tctcctcaag	aacggcccac	ggatcgggtgc	900
cagtatttcg	aggcccatgg	gaccgggacc	caggccggag	atccccagga	agcggcgcca	960
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aaggcgctcc	tgtcgctgca	gcacgggatg	atcgttcccta	atctcctgat	gcagcagctc	1140
aatccaaaga	togaagcggt	tgcgcgtcac	ctatgtgttc	caacggagtg	tgttccgtgg	1200
ccggcggtcc	cagagggctg	tcctcgcaga	gcctcgggtga	actcgtttgg	ttttggaggc	1260
gccaatgtgc	atgttgtctt	ggaaagctac	actgccggcg	agatcacccc	gtcgcataac	1320
ctgccctcca	gcctgccttt	tgtcttctcg	gcggcctcgg	agcggacact	gacatctgtc	1380
ctggagtcct	acgcgacatt	cctgcgcgaa	cacgcagcag	tgagtcttcc	gagtctggcg	1440
gtgtccatgt	ggactcggcg	ttccgctcat	cgccaccgcc	tgacgcttat	agcacgctcg	1500
gtagaggaac	tacaagacca	cattgacaaa	gaantaagtc	gaagggccac	ggggacaccc	1560
tcctccatcg	tctccagacc	tagcagtcgg	cccaggcgcg	ttgtcttaca	ccacggggct	1620
ggaaggaccg	cg					1632

<210> 7781

<211> 327

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (290)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7781

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acccgcaaag	cactaacagg	ctggcttttc	caagacctca	aagggtgattt	gactcccaat	180
gccttgaaaa	atccaggctg	tactgtgcac	ggcaccacca	gctatatcac	acccaaccag	240
gccgaacact	ctcgcgggga	tcacatcctg	ttcgtgtgtt	tgctcttatn	taaggcgccg	300
aaatcttgct	acaagttaca	actgtta				327

<210> 7782

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7782

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<210> 7783

<211> 2265

<212> DNA

<213> A.fumigatus

<400> 7783

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<210> 7784

<211> 210

<212> DNA

<213> A.fumigatus

<400> 7784

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<210> 7785

<211> 219

<212> DNA

<213> A.fumigatus

<400> 7785

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<210> 7786

<211> 561

<212> DNA

<213> A.fumigatus

<400> 7786

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<210> 7787

<211> 2058

<212> DNA

<213> A.fumigatus

<400> 7787

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<210> 7788

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7788

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<210> 7789

<211> 624

<212> DNA

<213> A.fumigatus

<400> 7789

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<210> 7790

<211> 555

<212> DNA

<213> A.fumigatus

<400> 7790

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<210> 7791

<211> 1395

<212> DNA

<213> A.fumigatus

<400> 7791

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<210> 7792

<211> 210

<212> DNA

<213> A.fumigatus

<400> 7792

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<210> 7793

<211> 1203

<212> DNA

<213> A.fumigatus

<400> 7793

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<210> 7794

<211> 390

<212> DNA

<213> A.fumigatus

<400> 7794

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<210> 7795

<211> 1119

<212> DNA

<213> A.fumigatus

<400> 7795

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<210> 7796

<211> 195

<212> DNA

<213> A.fumigatus

<400> 7796

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<210> 7797

<211> 519

<212> DNA

<213> A.fumigatus

<400> 7797

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gcaacatcgg	gagctccctt	aggactgagc	caaccatgca	ccccagatga	cgcgctacca	180
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gcgcttcttc	agtacgttct	caagatcaga	tgcattctcat	cactggcttc	aattattctg	300
atgttagtcc	gatcagagag	aggttgccga	caagcagtgc	cgggtatagg	gcatctgaca	360
ggacggacaa	ttccagccca	ggagaaagga	tgccatggta	agttattggc	gatttttatt	420
cccattgcaa	tgaacggtgt	aatgatgaat	ttcaagtgtc	ccatttcaaa	cgggaatatat	480
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<210> 7798

<211> 2241

<212> DNA

<213> A.fumigatus

<400> 7798

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aagaattggg	aaatctatag	ttacgtcctg	acgcacctgg	ctccgcagct	tagcaaccga	180
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gctggctata	tttctgattg	cctctccgta	ctggtcagtt	atcacgaggt	cttcgccaaag	360
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acatctcgca	gatgtgtaca	tgcgctttct	gtgtgttgcc	atgaaattcc	actgtctgtg	480
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gcagtacaca	ttctcgagtt	tctgtccctc	cttgcaacggc	tgcccgatgt	ctacgtcaat	600
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gatgcgcata	cccactcgga	cgatatgcgc	actgctgtgc	taccttccca	cgtgctatg	1260
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cgcaacacca	agcccaacat	tttctccgaa	gaggtgcctt	cgccaataac	ccctgtcaaa	2160
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<210> 7799

<211> 264

<212> DNA

<213> A.fumigatus

<400> 7799

accccaacca	aatctccatc	aagagatacc	ccaggaaactg	tgatcacgtt	tcatgtcgtg	60
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cgactggatt	tcaaattatt	ttctgattgg	aacgcttacc	attttaagaa	tcccaatcca	180
cctagtttca	accacggct	tgtccctctt	agtattttggg	gttttccgct	tctttccaaa	240
tttccccgcc	tctcaagccc	ttaa				264

<210> 7800

<211> 2268

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2204)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7800

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atcaggattg	acgaggccag	agtaatactg	cagggtgtcg	tagatcatat	gagagatctt	180
gctttccgac	acccatctcg	tgcgtctgct	cttcgaggca	tcttgtctca	catgctcttg	240
gggttccacc	ccgtggcctc	gaagatttac	gcgctctctg	tgaatccgag	agattgtgag	300
aaatggagcg	aatactaccg	caccgccatg	gctgatatca	aggcccatgg	ctattttcag	360
aagattatgg	ccctaccatc	acgtcctgct	ggatcttcag	atagcaatca	accgcccatt	420
atgcttaata	tgactgccat	attccaggag	cagagggaag	ccgagagcct	tgcgagaaat	480
taccatgaaa	aatccaatat	ggcttactca	gaactcgaga	aaggcaatat	cgatggatac	540
gaagctcatc	tacaagagtt	tctggatgac	agctcctcaa	gcggcgctcc	tcaagatctg	600
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atgaggttgt	tacacatgga	aggccaagtg	atcgatcatt	caattcaaat	cgattcgaac	780
caggctctcc	gggctatata	cctctgcttc	ctctgtcgag	actgggatcg	atggtcctat	840
ttacttgaga	cgatatctca	aaatgtgccg	gggtacttgg	atcttgatga	gatgcgtgac	900
cacagtacag	attggatgct	tgccacatgg	ggtggagcga	tctatgatca	caatggacag	960
tacgacacag	cgttcgaatg	gtatctctgg	gcaaacgaag	ttatggagac	ccatcgtgag	1020
ggaacctcgg	atgatgaagc	gagacgggga	agccaatcct	ccattcatgg	aggcgaactt	1080
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caagtcacaa	gatcgctact	ctctgcaacc	cgtttccaga	ttgatccaga	gtcaatttgt	1500
cgcgtaatcc	ccgaggacgc	ggtcgttgtt	gaaatgaacc	tttcccgagg	cgggctgata	1560
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gatctgcgac	gacaagtcc	cgggtacgtc	aagaggctgg	aaaatgacca	atgctcacga	1680
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gtctacatag	gcacacacgg	tgccaagcac	gagttatccc	cctggcagtc	ttgcatcaat	2160
ctaaaggacg	aattccgtgt	catggaggta	gcgaagtttt	ctancaaagc	atccctgata	2220
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<210> 7801

<211> 348

<212> DNA

<213> A.fumigatus

<400> 7801

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aattactaca	tcgatgggct	tccgtgatcg	aggctctctg	tgccactgcc	gcttaattca	180
acatggatga	acgcaggctt	cgatctcatc	ccagtaactg	tcgttcagtc	aaggaaatgca	240
aattttacct	ggcaggacat	gcaggagacc	atctcgagggt	tcacaatgga	agacgatgtc	300
tttcaacctg	gattcctaga	aggtaaatcgt	tgcactcgtc	ttgagtaa		348

<210> 7802
 <211> 351
 <212> DNA
 <213> *A. fumigatus*

<400> 7802
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 ctgataaacg cacataacct gtctgcctat ggaaatatta ataagaaggt catattcgca 120
 acgcctggct accattcccg ggaccctatt gtgcaggcaa gcttggacgg tgatgttccc 180
 gagggacat actttcttgc agtggggacg ggagctcttt accaggcttt tcggctatac 240
 cccgaccacc agctcgcgtt tacagaggcc gcggttagtg atggtaatgg tggatttagg 300
 ccattgcctg cggtgacaga cgtatccatc tcccacgcct ggattctttg a 351

<210> 7803
 <211> 555
 <212> DNA
 <213> *A. fumigatus*

<400> 7803
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 atccagcgcc tcatcgacgc gggtgccatc gtcgtaggaa aaatggggac tgtacagttc 180
 gccaacggcg acaatccgac ggcagactgg gtggattttc attgtccgtt taaccaagg 240
 gtatatggcc cctttgtcc gttggtttct attttgccac tacgcatcta cgttgatatt 300
 gacgctctat gcaggggtgac ggatatcaat cgcgcggcgg ctctcatcg gggcccgcgt 360
 ccgggattgc gtcgtagcag tggcttgata tcgctgttgg aagtgatacg ggcgatcaa 420
 tgcgcaatcc cgctggattg caagggatct acggaaatcg gccgtcaacc ggagctgttg 480
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 atgccagaac gctga 555

<210> 7804
 <211> 231
 <212> DNA
 <213> *A. fumigatus*

<400> 7804
 agacacatga acatgagaaa caagctgaac tgttgtagcg cccccactaa gccgccaatg 60
 ggtttcaaag acggtcgcat cgcaaccatg gctgggtgtgc ctgatgttgt tgttccctgt 120
 ggcgaaatgt catatgcctc tactgtttcg ctgcgaaccg agtatttgcc ggtgactatg 180
 attctgggtg gcgctaaggg aatccatctt atgccttgcc acctgggtta g 231

<210> 7805
 <211> 366
 <212> DNA
 <213> *A. fumigatus*

<400> 7805
 acatacgcaa tcctcacatc agtgcaccag tataagaccc tggccctgtc ttttttcacg 60
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 tgggcctggg gccaaagaaa cggcgggtgac acaggctacg agatggccct ccgaaacaaa 180
 acaatatcca aagactggtg ggaatcacat ggctatggtg taccaatga agatacctgc 240
 tcggagggtg tatacatcta tccctattcc acggggaaga cgcagtatcg ggatgtttat 300
 accaggtacg tcctctattc ctcgagacat tgcaccgacg tcgaagaaag ctgtgaagac 360
 acatga 366

<210> 7806

<211> 534
 <212> DNA
 <213> A.fumigatus

<400> 7806
 cgctctatgc aggggtgacgg atatcaatcg cccggcgggct cctcatcggg gcccgcgctcc 60
 gggattgcgt cgtacgagtg gcttgatata gctgttgga gtgatacggg cggatcaatg 120
 cgcaatcccg ctggattgca agggatctac ggaaatcggc cgtcaaccgg agctgttgcc 180
 atggaggggg ttttgccgct atgcgatgtg ctggatacgg ccgggggtgt tgccagggat 240
 gccagaacgc tgagcaccgt gcttcatgcg tggatcagg actcggacaa ggcgtataaa 300
 ggatatccga ggcgtttgtt ttaccccaat gcatcgtttc ctgatagtag gacggaagct 360
 ggggctcttc ttgaggaggt tggtacagga attgaagggt tcttaagggt gagaaggga 420
 gtcgttgata caccttcacg atgggaggag acgcatcgt ctgggacacc gagtaatatc 480
 acacaactat tgaacacggt aagctcaata ggcttgacca caaagtcag gtaa 534

<210> 7807
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 7807
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 attgagctta ccgtgttcaa tagttgtgtg atattactcg gtgtcccaga cggatgcgtc 120
 tccgcccatc gtgaagggtg atcaacgact tcccttctca accttaagaa cccttcaatt 180
 cctgtaacaa cctcctcaag aagagcccca gcttccgtcg tactatcagg aaacgatgca 240
 ttgggggtaa 249

<210> 7808
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 7808
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 agtcatgtcg acaacggaca tttatccctc cacggcacag atccctgcac atgggcacac 180
 cacggcgcaa catcagtcga gccggggcta gattccctgc tcgagtctcg caaccgcaag 240
 gatgatgcat ga 252

<210> 7809
 <211> 318
 <212> DNA
 <213> A.fumigatus

<400> 7809
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 gacgcagact gtgcgatatg tgtcogtctg caggccatgc ctctgtttag cgattatggg 120
 gatcaccag acagctctgc ggggtgtcc tatccatcgc tggctcttgc cattgtcact 180
 cctctgggtg tgattgcaag actgcttggc cgccgggtcc tttccggccg cgttggcgt 240
 gatgactgga cgattctggc ctctgtgtg cgtatcagca atggcgggtg gttgtccacg 300
 tatattgact cctcgtag 318

<210> 7810
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 7810
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 atgccaaggg aactgggtcct ccgaacacta aagggtgagtc cgtccaacgc agatcccctg 120
 gcgactggca gctcacagcg acagctctat ttctgtggccc agatcctcta caagggtcaac 180
 ctctggcttga ccaagatcag cattctcttc ttgtacatcc gactgtttgt ccatcaatgg 240
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 cgcggcacct gcataacat gacggccttc tggtagcca acgcccatt caacatcctc 420
 accgacctgg tcgtgatcgc gctgcccac cccgtcgtgc tgaagctgca gctcccggcc 480
 aagtccaaga tcgccctctg cggcatatcc gccgtgggtc ttttgtgggt tgcctccttg 540
 ggtccatgca tctga 555

<210> 7811
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 7811
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 atgtggaccg tcatcgaatc caacctcggc atcatctgcg cctgtctccc cgccttgccg 180
 cgtccgctct cctttttctt tctcgggctc ttcagcagac tgcacaagag ctctgcggca 240
 ccc 243

<210> 7812
 <211> 495
 <212> DNA
 <213> A.fumigatus

<400> 7812
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 ggcagtagcc tggagactgc ggcccccgag atcgaggtca acgagaagcg cgagaaggcg 180
 cttctacgta agatcgacct gcatctgatg gtgcccgtct gggatcatctt cgtgttcggc 240
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 atggacggca aggataatgg cgcttgccat gcaagatctt ttttcggccc cgatatcaat 360
 cgcggatata ccgaaccata ttgtgcttca agcgggttgc gccggccaac cctgaacaag 420
 ggtttgaact ttttgccctg ggggaagcaac cagactcccc ctctcctatg taatcccttc 480
 tctacttttag atcgg 495

<210> 7813
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 7813
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 catggacgag ccgatgctgt tccagggtgg gtctgaggtg ttgggtggca cgttgagggt 180
 ggtgatgcg aggacggagg tgatgcagg gctgccggtc agaaccatcag tatccagtac 240
 cagttatcag atgcatggac ccaaggaggc aaccacaaaa agaccacagg cgaatatgcc 300
 gcagagggcg atcttgact tgggggggag ctgcagcttc agcacgacgg ggatgggcag 360
 cgcgatcacg accaggctcg tgaggatgtt gaatgcggcg ttggcgtacc agaaggccgt 420
 catgttgatg cagggtccgc ggtctgggag ggacttgttg aaggccatt gcaccgggg 480
 gcactggaag atgctggaga agacgggtgc gatggtgaag gagacgatga tggcgatcca 540

caccagcag gtccgcagga accattgatg gacaaacagt cggatgtaca agaggagaat 600
 gctgatcttg gtcaagccga ggttgacctt gtagaggatc tgggccacga aatagagctg 660
 tcgctgtga 669

<210> 7814

<211> 1023

<212> DNA

<213> A.fumigatus

<400> 7814

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 agtccggagg cggtactact ggccggtacc atctatcagc ccgtgtctgt ctgcaagggg 180
 aggagaggac atactctgca acagtgtgat gggcagcaac atggcgccgg ccttgacggg 240
 cgagtaccca aagaccagct ggtagaaggt cgggatatag tacacctgca ccaggaaatt 300
 ccatccattg ataaacatgg tcagacacgc gccgttgacg atccgcgagc ggaagatatg 360
 catcgggacc agtggaaacg cgcccccttt cactgccac agcacgaacg ccacgcagac 420
 ggccacgccc acgacgaggg tagcaatcac atgcgccgag tcccaggcgt actcgctcc 480
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 aaaatccacc gccgccagct tcaccttcca cgagcccgtg accttgcgca ggggcatgaa 600
 gaagaacacg cacagcgctg tgagcacggg gagtgggaga ttgagccgga agatccaccg 660
 ccacgactcc ttctcgatcg atgcggatgc gagcgcgccg ccgatcacgg gccgatgcc 720
 gttcgcgacg gcgaacactg cgccgagaat accctgatat ttacctcttt cgcgacgagg 780
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 gaagaagaag atggcgaggc cggcgaagag gacgtatttg cgggaccaga tgtcggagag 960
 gcggccgtag agcagttgga agcaggtgga tgtactggct tgtcagcagc acgcaggact 1020
 tga 1023

<210> 7815

<211> 213

<212> DNA

<213> A.fumigatus

<400> 7815

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 aggccgcgcg ccgatgcc agtgaaggcg cggaagatga tgagctgggt ggctgtttgg 120
 gcgaggagg cggccagcga gccgaagaag aagatggcga ggccggcgaa gaggacgtat 180
 ttgcgggacc agatgtcga gaggcgccg tag 213

<210> 7816

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7816

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 tggatctccg gcgcctatct tgtgtacgtc aaaatcctcg catcatcaag tcctgcgtgc 180
 tgctga 186

<210> 7817

<211> 867

<212> DNA

<213> A.fumigatus

<400> 7817

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atgttgctgc	ccatcacact	gttgagaggt	atgtcctctc	ctccccttgc	agacagacac	840
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<210> 7818

<211> 627

<212> DNA

<213> A.fumigatus

<400> 7818

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gaaacaaagg	acgctttaca	gtggtgtaac	gagaacaaag	cggcgttgaa	gaagagccag	540
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<210> 7819

<211> 456

<212> DNA

<213> A.fumigatus

<400> 7819

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gacccgattg	tcttgccaaa	tggcaggatt	tacggtcagc	agcggctact	agacatgagc	360
aagaaacttg	gctgtgtcga	aacaggcaag	gtgaaggatc	ccaccaccgg	cgagatcttc	420
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<210> 7820

<211> 2283

<212> DNA

<213> A.fumigatus

<400> 7820


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gatgttgaca ctgatttcat ggacaacagt gttgtgtcgc tcttccaatc gcttcctggc 180
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gatgccattc tcgctgagat ccgcgagatt ctgcggacag ccgatctgat gtccgtgaca 2160
aagaagagca tcaaatggga actagagagg cgcttcggcg tcaacctgga ccttaaactg 2220
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```

<210> 7821

<211> 429

<212> DNA

<213> A.fumigatus

<400> 7821

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aaggaaagact gtccaacttt caggagcaat ggtccaggct ttggcgctcg agatgtactt 60
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atgaagcaga ttcttcatgt gaagtgtatc aacacgaatc tcagcgtaag cgtccacgac 180
ctccttgctg acgaacaatg gcttggccgt tctgcagag cgaattcgat acatcgtgaa 240
acatccaggc aaacacgtaa cggacccgaa aagactctcg aaagctttcg tgaggttgtg 300
agatatgtag tactcataaa cttgaatcat agtcaccgca gaagtcttag cattggtcag 360
agcagtttca ccacagacac caataagacg agtatcattc aagaacgcag ccaccatccg 420
tgttgctga 429

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<210> 7822

<211> 237
 <212> DNA
 <213> A.fumigatus

<400> 7822
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 tccaggacaa acgtgggaaa cgcaaagatt cttgggtctcc aaaatgatct gaacatcact 180
 ggatcatcagt atgacatagg ccttacgggc ttctatctca catatatttg caggtga 237

<210> 7823
 <211> 294
 <212> DNA
 <213> A.fumigatus

<400> 7823
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 aattttgctg gctttgttgc tgtccgtgcc atactcggtg tggctgaggg aggactgttg 180
 cctggcatgg tatgtgaggc gtatcccga tccttctctc agctactggc gggctctgtt 240
 ccagtgaagc agactaagac tccgtcaggt actctacctg tctttcttct ataa 294

<210> 7824
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 7824
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 gccatggata caatgaagcc tagccacgag acattggaag atgttagaca taagtcacta 120
 gataacatgt cctttggtta tgcctaccaa caaaagctaa ctggaagcat tctattcaag 180
 ctggacacga ggttgggtccg cttcgatgtc tatggccaat aa 222

<210> 7825
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 7825
 tcacaggtgg gctctttgat catcaaccga tccaacatgt actcagtcgc tgaccgcatg 60
 ccttctctct cccagttat tgtggctctc atctcggaac ggctgcagct tcgtggtgta 120
 attatgctct ttatcctgcc aattgcgatt gctgggttac gagcaattgc caacattgag 180
 tccgtcagag tcaaatatgg g 201

<210> 7826
 <211> 630
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (51)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7826
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cacgtcacag	ctggctaccg	cgacggcgtc	tccgcccga	aaggcgagca	cgtccagcac	180
ggcttcgacg	ccggcttccc	aatcggcgca	cagctaggca	tgagagcagg	aacagtaatc	240
ggtatcatcg	aaggcttact	gcgtggattc	gagagtccca	ctgcgtccag	agcagtaaa	300
aaaccacttc	agcggaaaga	ggaagggcag	gggatcgagc	cagacgaagc	aaaagcagcg	360
cggcaggcga	agagggagca	gctgctcaga	ttgtatcaaa	aagctgtgaa	ggagctggag	420
gttcgggtccg	tatttgcagg	gagcgaggat	gagagcacgc	gagacaacgg	ggggcaggag	480
aaaccatatg	ttgttctgcg	ccggaaaggg	gacgccgtca	tttcgcagtg	ggaggaacag	540
gtcaggggtg	cgcattggga	ggagaacatg	gctgccctgg	agccaaagga	ggatgagaag	600
gcgcgctcaa	cgccgacgga	gcagatatga				630

<210> 7827

<211> 309

<212> DNA

<213> A.fumigatus

<400> 7827

cctagacaca	cgctgtatat	ttcctgctac	cggactgtgg	aacccttgat	caattcgcct	60
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cagctgcaca	tccaacacct	aaaagccact	cgacccgccc	gcaacacaac	cctcctcggt	180
gtacctaaag	ctagccacaa	ctacctagaa	agaggagagg	ggcaaattac	ccagtacccc	240
gtaccaccac	tagagggctc	tggcggctct	aaccagcaaa	gtatcgctcc	cttccaagga	300
ccaatgtag						309

<210> 7828

<211> 399

<212> DNA

<213> A.fumigatus

<400> 7828

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gcttctttcg	ctcgttatta	cattcgattc	ctcgtttctg	acaagagctg	cagggattta	180
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tttcacgcaa	ctaacggcaa	tgtcgaatta	cggattggca	agcatgtcgc	cttctccctc	300
gctgtcccg	atcagggatc	tgccgatccc	cccttttcgg	gcaatcggag	tagtggtcac	360
gaacgttgtc	gctgcagcat	ggtcacgggc	aaatgtag			399

<210> 7829

<211> 963

<212> DNA

<213> A.fumigatus

<400> 7829

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agctgtgcga	tgcttcatcg	cacgtcgttc	gatcctgaga	ttgtgtcatt	accgctactt	660
acagccgtca	cattcatggg	tgccatgtac	accaatgacg	agagggaggc	atatattgcc	720

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aagcgagtgc tggatttcgc cgagctcttc atcttctcca gcgaggttta tgcgtccgag 780
accgagatca gctcgatggt ttgcgggaat cgatgtttgg acgacgagtc cagcgactgg 840
attcagtttc agaatttcca agccggcttc atcattgtgg ttgtgcaata ctgggctgga 900
agtcgcataat cgcgcaatag agtaatggag aacaggttca gcgaagtcac caaggtgggt 960
tga 963

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<210> 7830

<211> 249

<212> DNA

<213> *A.fumigatus*

<400> 7830

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gcacctgttc cggtagagtg tacatcggcc gcccgtttcc catgtccaaa tgttgattgg 180
tggcaaacga gcgccgggga aagccagctc ctgtcgcagt ttgcggaaca cgatcagctg 240
tgccactag 249

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<210> 7831

<211> 273

<212> DNA

<213> *A.fumigatus*

<400> 7831

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gttgaaggac gcttgacgcg cgataagcgg aaagaagctc tgacacaaac gatggccaaa 120
gccaaggaag agcagaaaag tcgacgcgaa gcggaggtgt cacttcgaaa agaaaaggaa 180
gactttttgt ttttttacc tctattaaac ggttttatta tgtctcccg tatccgcac 240
aagaaagaag aattggatgt ttctcagccg tga 273

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<210> 7832

<211> 270

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (2), (12), (13), (34)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7832

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ctccctccat ttaactcccc ttatttttct tcgctttcct ttccattatt tttttcccat 180
ctcttcccg tcaaatacat tttttgaaa caaccaaata acaatgtcta ctcatacttt 240
gctcctcgta ggctaactgt gattgggttag 270

```

<210> 7833

<211> 810

<212> DNA

<213> *A.fumigatus*

<400> 7833

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atacccttcc gtactagcgc gtcccatctt ttggcgggtt tgagaactgc tcccaaattc 120
gcgaccctac cgtccgcgtc acaacgtcag cagcatcttg gcctggaaac agggcgatat 180

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ggagcccata	ctagtggcac	agctgatcgt	gttccgcaaa	ctgcgacagg	agctggcttt	240
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agttatatgc	aagagaatgg	ttcctcgccc	tacgttgaag	acgaggatca	atcgcccgtt	720
atgcagactc	cagccttcta	tgcagagggtg	tctccccc	cggaatcagt	gcagtcccct	780
ttggaaaggc	agcagacggt	gtcaccacca				810

<210> 7834

<211> 375

<212> DNA

<213> A.fumigatus

<400> 7834

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atggatgtgg	gcgcggetgt	ctgccagaat	tccaagaccg	cagcttttta	cgacgccccca	300
gtctccggag	ggtccctagg	agccgtggct	ggcacgctga	cattcatggt	gggttgctg	360
gcggatgacc	cgaac					375

<210> 7835

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 7835

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gatcaatccg	ggatgattgc	ccagcctcta	cagtcccaac	gccattccat	cagggttgtc	180
gcccagatgg	gtgatccgct	tccagcaccc	attgaaggcc	aggcgtatgt	cacgggtgggc	240
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cagtcgttgc	aacggtcagg	catcgatccg	gggaagatcg	acacgatcat	tctcagtcac	540
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cagacgaggg	cagaggaatc	gctgtcgcgt	attcgccggc	tgcaggagat	ggaagggcac	1020
aaggctcgagg	tggatcatggc	gcatgatgta	gagtgtgga	gcacgaatca	acatcgcgct	1080
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<210> 7836

<211> 312

<212> DNA

<213> A.fumigatus

<400> 7836
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 gtccctcgacg caatgctggc gatgaaagaa gtcacaaaaa tatccatcct cagccgacga 120
 ccagtgc aaa tggccgagga cgcctatgac ccccgagtgc aggtcatcct ccaccagggc 180
 tttgaagcct acgaccctaa agtccctctcc cagctgcagg gggcaacagg ctgcgtatgg 240
 gcactgggta tcagccaaac aaaagtcaac aaagagtctg tctgcgcctt gtcatttgag 300
 agaaaactact ga 312

<210> 7837
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 7837
 tctgccttta agagttcacc tatgtgcagc gcaattgctc tactgctcac tgctcaggaa 60
 tatggatatg gtacatgct tgaggggtggg atcagttcct ctctagatc cctgagatct 120
 tcaaacattt gcaatatgaa catttatata cagcctatc ctcgctctaa accagccggc 180
 tgggcggatc aacgatcggg a 201

<210> 7838
 <211> 567
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (468), (471), (472), (481)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7838
 ggtgggtctta ttaccgaaga gtccttcacg tccgtttttc ctgagatgaa agacgccaac 60
 atccagggta tcgtgatcgc ctcttttgaa cttgggtgctc ttgccgggtgc cctcgcgtgc 120
 ttggacctgg gcgatcgct cggctcgtcg ctgaccgttt gggtcggcat gctcttcacg 180
 ttggctggcg gcacgctaca gaccagtgc tgggcgctat ctgagctgac ggttggtcgc 240
 gtcctcagcg gcacggtgct cgggttacag gttagccacga tccctcatg gcagtctgag 300
 tgtgcgaaa cgcatagtcg cgggcgttgg gtcattgatt aggggtggtc acagacattc 360
 ggcgtgcct gtggccaact tgttggctat ggggtttttt ttgtaagggt acaagcacia 420
 tggcgtgccc ccgtcggcat ccagctcatt ccggccttga tcgtcttngt nntcatcaat 480
 ntccttcccg agtcccttcg ctggttgatc aagcacggctc tggttgaaga ggtgtgcatt 540
 ctctccatga tggaggtttc tcgctga 567

<210> 7839
 <211> 795
 <212> DNA
 <213> A.fumigatus

<400> 7839
 tggagggtttc tcgctgaccg tacaaacttg cagggcgcgct acaacctgtc caagctccga 60
 aacctgccct tcgaccaccc ggagctgatg tttgaacgcg atgccatcat tgctctcttc 120
 gaagcgcaga gcgaactcgc tccgtttctc tatagagaga tgctgcgcaa cgggaagacc 180
 aagatgttcc atcgcgtcgc cattggattc ttcattgcaat ctgctgcagca attgtccgga 240
 atcaacttgg tctcgacata cgccaacaag attctgcagg agtcattcgg cctcgcggcc 300
 agcacatccc acctcatcgc tgccatggga gggctggagt atgccgtatg ctgcgttctg 360
 tccgtttttc tcatcgaagg tcttggacgc cgtcgcgcct ttctgtggac taccgtcggc 420
 atgtccagct gctttgctgt gatcgccggg cttcaaagca cggattcgcg cacctgtcaa 480

ctgaccgctg	ctggattcct	gtttctcttc	aatactttct	ttggcctggc	ctgggtcgga	540
ggaccctttc	tgtacagcgc	cgagattgcg	ccgctgcgat	gccgcgcccc	ggccaacgcc	600
tttgccagcg	ctggcaactg	gttggtttgc	tttggtgtgg	tcatgatcat	ccccctgct	660
ttccagaaca	tgggctggaa	gacggtaacg	ctacttcgcg	ttcctcattg	gccgtcatct	720
aatgtgcgct	tagtatatca	tttttgccat	tttgaatgcc	tgcttcgtac	ccatcatcta	780
ctttttcctt	gttga					795

<210> 7840

<211> 249

<212> DNA

<213> A.fumigatus

<400> 7840

attcaggtcg	gtgggaatca	agcaggagcg	tcagttgctg	tctgtgatat	gttccaagtc	60
aaaatctcgt	catccgtctc	aatcatggcc	atcttcccat	tgaccagata	cacagcccac	120
atgggcgcgt	ccggtctgac	gctcaacttt	ctcgtcgcag	gcattgcaac	atgtgcgttt	180
tggctttttg	gctacgacat	gagcgttatg	gtatacctcc	ttcccaatgg	gacatgcacc	240
ccggtctaa						249

<210> 7841

<211> 270

<212> DNA

<213> A.fumigatus

<400> 7841

ctcggatcag	cgcagctgcg	gagagggccc	cgaaccccga	agcacgttct	cctacagtgt	60
ctatcatacc	aagaggccta	caggaagatg	gccaataagc	tacttaatat	agaggggtcc	120
ctccagggca	aaataacaga	ctacaacatg	ctcatgtttg	accctcaggg	agttcactac	180
attgctaaat	taatgcacag	cggcaagcac	ggccaaaaac	gtggaaacct	cctacaaggt	240
tcaggaatgg	acgtggaaga	ctctagttag				270

<210> 7842

<211> 1905

<212> DNA

<213> A.fumigatus

<400> 7842

gttgctcgag	cattaacata	tattcttgct	aggttcgtta	actcgttggg	cgccaaggta	60
cactcctctc	caccgaccat	tgagaaaata	tctcagcgct	ttcaagactt	ttacgttcgg	120
gctgaatcgc	acattgctac	tcatatatca	gccctagcgt	ctcgaataaa	ccgtgatcct	180
tctcctaacc	ctcccccgcc	ccgtgcttct	cgcttcggcc	agtctaaatc	aacaaacaga	240
gattcaggca	atgttcgcgc	tagccggcag	atgttgacag	catcagaggt	tgctgaacgg	300
cgggaaggcac	gaaagtcgct	cgcttctaaa	ggggctgccc	tggaagaagc	tatcgagcga	360
agagcttggt	aatgctgcta	cgacagaatc	tggaggcata	agagcacatt	ggatgaagtt	420
cgggatgaga	agttgcgttc	aaaaacagca	gcattactct	tggttgggat	caacctgaaa	480
gacctaggga	ttgacatcga	tatggccact	ataaatgaag	aggatcagaa	agaggcggat	540
caatgcctct	ccgttgcccc	taaatgtctg	gcaagaatga	atgaagcgaa	atatcctttg	600
gggaagcttc	agcatctggc	tggcgcacac	aaggctattg	ttgatgcatt	gacaaaagctt	660
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tgcccgccag	aaggatttaa	catcattagt	aatcttctct	tcatacagcg	gtttcggtcg	780
acaaagaaaa	tcgatggtga	gacggcttac	tgcttaacaa	atctcgaagc	tgcaatcagc	840
ttcctggaaa	atgtagaatt	atcggagcta	cgagcggacg	aaacgcagga	aggaaaactt	900
caactgagca	atgagacaat	aggctactct	gacagccttg	acacccctca	ccagatgagc	960
aaggccccgc	tgtctaccgt	cacaaaagcg	aacgcttctc	cagagatctc	caaatcagat	1020
gctaagggaag	atgctgccga	aggactactt	aagcaacagt	caccagcgac	gcctcaacaa	1080
cctcgtctga	acaatttggt	ccaacctccg	tcgaaagtgc	ttggtgctgc	caacgatggt	1140

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gttcgcaaca ctgccgatca aggggtgaag aatattagcg catcgctgga cagcagcttc 1200
aactttctgt tcggcogtct taaggagctg caatccagcc aactgtctgc caaagacggg 1260
ggcagtcctaa tcctgcogaa gacactagca gaagctctgc gtcttgctac ttctccgcct 1320
tcccttgata aggggtgtctc tcgggataat ggagggggcg attctttagc gactcctgat 1380
cgacccccac tgcgacgcat cgggtcaagg gcggaagata ccttcatggg tctagtcagc 1440
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acggccactg ccaccacggg tgcgctaaag gatgagcctt cgtcagctgc ctctcaaacg 1560
aaccctttgc ctaccacccc tctagagtca atgaggaact ttggaaacag catcaatccg 1620
cttaatcata ttccggggat gatacggaac ttccgggcgc gcacaccaga ctccggaggga 1680
agtttcgccc ctcttgctcc ttcagagaag acgaagactt caccttcttc tcgagaagtc 1740
cccgggaata acagcagtaa ccagcctaag atcgatccgc ctattcaaag atttctccaa 1800
acccaacatg ccaacgaact gacaataggt gatgtagtcg tgttgctcga agactacaaa 1860
cgccttgacg cagcgttact caggcaggct tcggattcga gttaa 1905

```

<210> 7843

<211> 1923

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1651)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7843

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ttcctgcagt cgaaagtctc tatcgctttt aggacacgcc tcacgaggta catccacgat 180
ctctacgtcg cggacaacaa ctactacaaa ctgttgaact tggatgggtgg tatcgggtcaa 240
ggagcagacc agttcatcac gcaggatctc acactcttct gtcggccgcg tgcagcactt 300
tactctacta tgggaaagcc actagtggat ttattcgtct tcaactatca gctgtactgc 360
tccctagggc ctttggtctt tagtggcatc ctactgggtt atttcagcac cgcagtgata 420
cttcgcaagt tgtctccgcc ttttgaaaaa ctcaaggctg tcgagggcaa aaaagaagga 480
gaattccgag gtctgcattc caggttgctt gccaatgccg aggaaatctc attctatggt 540
ggtgcagata tcgagcgagt atttctcctt cggagcttca aagatctgca acggtggatg 600
gaaggcatct atagcctcaa gatccgctac aacatgcttg aggacgtaat cctcaaatac 660
gocctggtcgg cttttggata tctaatacag tctttgccgg tcttccttcc ggcgtgggga 720
ggtgcagggg gtgcttttga cgtggcaaat gcctacgaag agactggtcg cgaacggggc 780
cgcataaagg agttcatcac aaacaagcgt ctgatgcttt cgttggctga tgcgtggtgt 840
cgcatgatgt acagcatcaa ggatatttcg gagttggccg gctacacctc acgggtctat 900
actctcatct ccacacttca ccgagtcctt gtaaatgcct actatcctcc acgtggctct 960
catgcggaac tgtactctct ggcagatgca cagggtacca ttcacaacgg attcgacggg 1020
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ttgattgaat cgctgtcctt tatcgtgcat tccggtgagc atcttcttat ttcaggccca 1140
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ggccttgta gcccggcccg aggatccggg cttgacggca tcatgttctt ccctcagcgg 1260
ccctatctca gcgtggggac tttgogagat caagttatct accctcacac cgagattgac 1320
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agcgggtggt agaagcaacg catggccatg gctagactat tctatcacga gcctcgctat 1500
gcgttccttg atgaaggaac ctccggcagt tctccgacg tcgagggcgt gctgtaccaa 1560
caggccaagg acagaggat tactctgac acgatttcga cacgcgcgtc cctgaagaag 1620
tatcacacct ttagtctcac actatgtcta ngcgcgaag gggaacagtg ggagtttgag 1680
aagattggca ccgagaagga gaagctgggc gttgagaagg agatccaaga gcttcgcaag 1740
cggttggaca aggtcgacga gtggaagcga cgccgtgaag agattgacaa ggagctgcat 1800
aaggctcggg ccgaggaggg agagcttgca cctccaccgt acgaactggg gaacgaagaa 1860

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gccgtggctg aagtatcaaa tgaagcaacg gaagaggcca acgtcgacaa gacacaggaa 1920
tag 1923

<210> 7844
<211> 1359
<212> DNA
<213> A.fumigatus

<400> 7844
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ctgcgtcgct ggcgcgacaa gttcgaggag aagctggatc gccgcggcca gtaccaattt 120
ttggagacgt attcgcgcga tctgagcgag ttccgcttct tgaaatttga tgaagtggag 180
gtgccgggac aatatctgct gcacaaggac aagaaccaag atttcgtgcg catcgacagg 240
ttcctgccag acattgatct tgtccgggggt attgggtgtt gtcacgtcg gctcaagatt 300
cgtggtcattg acggtagcgt gcacccgttc gctgttcaac atcccgcagc tcggcattgt 360
agacgagaag agcgcacccct gcagctcttc cgtatcttca acgggcttct tggcaaacgc 420
aaggaaagcc ggcgcgctaa cctctatttc catctcccgc tcatggttcc cctcgcgcgcg 480
cacattcgct tgggtgcgcga tgatccttca tacatttcta tgcaaggcat attcgaggac 540
tattgccgcc gagtgggaac cagcaaggat gaacctgttc tgtttaccat ggagaaaatg 600
cggtcattgg cagagacgaa gcaaaatgta cgtcaaacgc ataatttaat ggtggagcga 660
gctaacgtat ccagcgcac tcccgaccag cagcaggtac ttccgactga gattctcacg 720
gccattcagg agaagtgggt gccagtagc attgtgaagg actacttcca gaagacgtat 780
cccaactttg caaatttctg gctcttccgt cgccaattct cctatcaata cgcggctatc 840
gcatttatga cctatgtgat gcatatgggc aaccggatc ccaataagat catgatctcc 900
aggtctacag gtgatatctg gggcacggag ctgataccgg cgattaaccc tgcaaaggct 960
ttctttctaca acccagaaca tgtgccattc cgtttcacgc ctaatatcca gacactgatg 1020
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accgaaccgc gccatgagct cgagcagcaa ctgagcatct tcgttcgtga cgagatgatg 1140
ttctgggcca cagcgcacaa tcgcggtgta cttccagtgc aacagcttcg tgacctggtg 1200
tacaacaata gtgatattat tgtcaaccgg gctgttagcc ttgccagccc gccagaaggc 1260
aatttgcccg ccaaccaaac caccatcgac ctgatctcca aggccgtgaa cctcagcac 1320
ctggcatctt gtgatgcact ctggatgccg tacctctag 1359

<210> 7845
<211> 189
<212> DNA
<213> A.fumigatus

<400> 7845
ggagcatttg aaggtttag gtatcgggag tttcggttta tgggttgac tgcactatca 60
tggaatcctc agtacagtta ccttgtacat atcaaatatg atacatctat ttcaattgaa 120
cctatttcaa aacactctaa agacaagtgg ctgccaatga aattctctgc tcaggttcaa 180
aaccagtga 189

<210> 7846
<211> 306
<212> DNA
<213> A.fumigatus

<400> 7846
tcagtccacg gctccagca tcttccctcc ttctgccatc attctcatct attcaaatca 60
accatgcctg ccaccacggc ggacactctc tccctcgtca cgcgaccgt cacggtagct 120
cccttagtcc ttctttcagt cgcagatcat tatggacggg cagccaaggg aactcggaag 180
cgtgttgggt gtgtgctgct cggagagaa ttggggcaga cagttcgagt atcgaacagc 240
tttgcagggt cgtcgtctcc caaaccggct tacttatgtt ccctggtaga tggacggcag 300
ttctga 306

<210> 7847
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 7847
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 gatcacaact tcgttgagtc catgcgagac atgttcaaga agatcaacgc ccgcgagaag 120
 cttgtcggat ggtatcactc tggtcctaag ttaagagcct ctgatcttga gatcaatgaa 180
 ctcttcaaac gatacacacc gaacccctta ctgggtcattg tcgacgtcca accaaaggaa 240
 gttggcgttc ccacagatgc ctatttttgct gttgacgaga tcaaggacgt aggttga 297

<210> 7848
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 7848
 gatggcacia caacgtccag aacatttgtc catacccttt cagtgatcga ggccgaggag 60
 gctgaggaaa ttggtgttga acacctgctt cgagacatca gggatgttgc cgttggaact 120
 ctttcaacac gcataacatc gcagcttcag tcgctgcagg gtctgcactt gcgcctgcgt 180
 gatatcggcc aatatctcca gaaggtcctt gatcacgagc tgccgggtcaa ccatgctatc 240
 cttggcaatc ttcaggatgt gttcaatctt cttcccaacc tatctactcc agcagcaacg 300
 tcgcgtctaa gtgggtcggg acctcagatg gaaaatagtg aattagcgcg ggcgatgagc 360
 ataaagacca acgatcaact gatggccatc tatatcagca gcttgattcg tgctatcact 420
 gccttccacg atttgattga gaacaagatt cagaaccgac aacaacaaga agagaacgaa 480
 tcaaagaagg agcaagaagc aaatgctgcc aaagggtgata aggaagggtgc gaagaaggcg 540
 aatggcatga acggcgagcc aaaggaggat caggagaagt ccaagaagaa gagctag 597

<210> 7849
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 7849
 tatatacaat ccgttcttga tttgaacctc atcaccatct tcgctccaga agtggcccca 60
 atggatacac cccgagttca ggtaggcgcg ccggacgtcg cccaggetcc tgagagcacc 120
 caaaccactg atacaccgga tgtggatatg gatgagactc agcagagccc gctgaatgaa 180
 attcaagcag acgcgacaca acaggatatt tctctgcctg acgcgcagcc cactggatca 240
 gcgccaaacag aaccgcccga acctcccaag aaaaagccag gacttcattt tctcgagtaa 300

<210> 7850
 <211> 795
 <212> DNA
 <213> A.fumigatus

<400> 7850
 ggctcaaatc ttcggggagc ttcaacaatg cgaccccaat tggcgcatgc acggctcaca 60
 ccgcttagct acctgacgtc gccatttgtg gagctcattg tcgggaagga cgagcacaag 120
 acttccttaa cagcgcacca gagcttgttg ttggaatcgc cattccttgc gcaggctgtc 180
 gccgcattta gcgaatcagg gcccgtaacg actagcttcc tcctaagcag tattctggat 240
 gcttttacta atacaatatc cgtcatgcag cggcgatttg agcttcccga tgagaacgtc 300
 gaagcattcg gttgcttcct ccagttccaa tatacccatg actacactgc atcccatgcc 360
 gatccatccg ccgatcaaga cgttgtcggc gaactggatg atagcggcga gctactgttg 420
 aaacacgcgc gtgtctacac tctagcagag aagctcggcg tgcttgcgct taagagtctg 480

```

gcacactcga agatccaccg tatcaacagt acctctcacg gagagatcgc gtacgctcgt      540
tatgtctata cacacacgcc cgtcgatgat gtcactattc gaaagcccg cgcctctttc      600
tgggccacca gaagccatgt gctgcgccac gaggctgaag aggagttcaa gaagctgtgt      660
cttgaagtgc ctgagttttg ctttgatgta cttactcttg ttcttgacca aaaagagaaa      720
cgtgcccagg atcgagcaga gaccgaatcg ggcataaaaag gcagtggtag gaaacgtctt      780
aggagcggta tctag                                                         795

```

<210> 7851

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (82)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7851

```

aggcaatttt ggagggcgcc gaggacgaga tatttgaaaa agagagtcag tgttggggtt      60
atcccccatg gtctcggaca tnatctggga atgaacactc atgataccgg cggcaatccc      120
aattacgcgg ataaggatac catgttccgg taccttcgag tcagaggtcg tttgcctgcg      180
ggctcagtga tcaccgtcga gccaggcgta agttgggggt tgcccatgtt tcctaaactg      240
atccattga                                                         249

```

<210> 7852

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7852

```

gtatattttct gtcggtttat catcgagcct tacatcaagt cccccgagtc aaacaaatac      60
atcgatacca acgtcctcga ccgttatttg agggttgggg gtgtccgcat tgaagacaac      120
gttctttgtga ccaaggacgg atacgataat ctaaccacgg cgccaaaggc tgttgatgaa      180
ctagagagac tagctgcata ctaa                                                         204

```

<210> 7853

<211> 312

<212> DNA

<213> A.fumigatus

<400> 7853

```

atagccctgt tttcattcctt ttctgtccac tccttatttt ctttccccct tttcatcacc      60
ctcccccttc tccgaatccc cgtccgaccg ggtaagaatc cagaatcttt tctgtgcagat      120
tatatccgtc tgctagaccc ttatctcatt acaccgggt ctagaaccat ctttacagct      180
ctagtttcag tccgtgccat cgcggacaat ttccccctt cgaggatctt ctgggcccga      240
tcatgcaaaa gacgtctctc gtccgccccg ctatcgctgc taccgcccca tgagctcctc      300
ctcagaggct aa                                                         312

```

<210> 7854

<211> 573

<212> DNA

<213> A.fumigatus

<400> 7854

```

ctgttgctta cctgccaccc aggagtccgc aaaacctctc tcgtccagcg ctatgtgaag      60
aacgccttca accccgcgac catcacgtcc accgttggcg cctcattcat caccaagcgc      120

```

```

gtcctcgaca ccacctccga taccatcgtc cgactccaga tctgggacac ggccggccag 180
gagcgggttc ggagtatctc gcggctgtac taccgcggcg cgaacgcgtg tctgctttgc 240
tatgatatca cagacgagca gagtttcgag gagatgaccg ggtggttgct ggagctgaag 300
aagcatctag cggacgatga cccgatcggtg atccatgttg tcgggaccaa gtcggatata 360
gttaacgcttg atccgtcccg ccgcaggggtg ccgcttgagc ggacgattgc atatgtcgct 420
gagcagctgt acccatcgcg ggctcgacg ccgccgccga cggcggggat gggcttgggg 480
ctcggtcctg cgtctactgc actacagagc cccgatagca agcgcagtag cgggttctgg 540
ggacagggat atcggctggg actgctgcca tga 573

```

<210> 7855

<211> 321

<212> DNA

<213> A.fumigatus

<400> 7855

```

tccatgttgt cgggaccaag tcggatatcg ttacgcttga tccgtcccgc cgcaggggtgc 60
cgcttgagcg gacgattgca tatgtcgctg agcagctgta cccatcgcg gcgtcgacgc 120
cgccgccgac ggccggggatg ggcttggggc tcggctcgct gtctactgca ctacagagcc 180
ccgatagcaa gcgcagtagc gggttcttgg gacagggata tcggctggga ctgctgccat 240
gagattagtg cccaggatgg ggagggcatt caggaggcgt ttcgtgtgat cacccggaag 300
ctagtcgagc aacgggaata a 321

```

<210> 7856

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7856

```

aaggtgatat ttcctagtta tataactaga agtagcagga ataaagagat ttttaagcta 60
gtaaaggcct atcttattag tagtctatct attaggacta actttaatcc tactattgtg 120
tgggagcggtg atatcttaat accaaccctc tatatagact tttcctttga agataatgca 180
tggaggaagc acctaactag ttaa 204

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<210> 7857

<211> 222

<212> DNA

<213> A.fumigatus

<400> 7857

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acaatcccga cgacaatctt tttctggatc cgcttgctga tgaatgatata caacaaaat 120
gggtcctctg ttgacgctat ggagatggaa ctaaggcaca cacacaccac gatgatcgtc 180
tctgctggca acttggcact gtcgggcacc tacagtcggt ga 222

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<210> 7858

<211> 204

<212> DNA

<213> A.fumigatus

<400> 7858

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gggaagggga agggaaagaa aaaaaccaa ccgaagatct cagaaatata cgctgggttcg 120
gctattgcac ctactgagac ggctgttgca aaggacgagg tcagcgcaaa aatgaaagag 180
cttgtcctaa ggtatgaggt ttaa 204

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<210> 7859

<211> 246
 <212> DNA
 <213> A.fumigatus

<400> 7859
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 ggcggaaaga caaatattcca acataaagtt aggaaccgct tccaaaaagg tgccgtccaa 120
 tatgggattg ttattagccc tcagaagcag aagggtatcc gttgtcatct ggacgacaag 180
 gtccctgagc cctcggctcg ggtcttccgt cgagccatat acctcaagca cagcgggaagt 240
 atatga 246

<210> 7860
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 7860
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 caaactgctt tcatcatgga gcaacagctc ttgacactcc tcgcagacac acagtgcga 120
 gcggtcgata caacaaaagc cgctgaactc caacggcttc atctctactc caatgaacag 180
 ttccccctct ctctcgccgc catagcctct caccgactcg tccctaccaa cctccgccag 240
 tctccctgt cgctcctgcy taccttcatt acggccgctt ggtcaccgaa tctagacgaa 300
 ttcaacggctc aggttctgat caatgacacc aac 333

<210> 7861
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 7861
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 gatttcgaaa ccacatggcc atttggagca ttaagtgcatt ttagactcat caattcagtt 120
 accattaagc taggagccgc tttacacacc actctcgtaa aatcatttcg atatgaacag 180
 gaaagccagt aa 192

<210> 7862
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 7862
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 gaagaggcgg agcagtgggt tgaagaaaat gtcgtcaagg ctggcaagat gatggttcca 180
 gagaacttca cccccactgc acctttcttc gatcctgccc tccctatcac gaccgacgag 240
 ttgccccctg aattcaccaa cccccagact gctcagttct gcgaactcat cggaatcgaa 300
 aacaagttcc acctgtcggg cgaggaacgc caagcaaggg ttgaggctgg cctcgcggcc 360
 aacaagccca agcccgaagg tggctggaac cgtggccgcc gtcgtaacta taacaataac 420
 aaccgcggcg gcggtagtca gtgggtggga agaggagcag ggcgcgatcg gggacgaagt 480
 ggtggtaatc agcgtggtg a 501

<210> 7863
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 7863

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accaatgact	tgctcattct	atctacactt	gaactgattc	aaggcgtcct	cctcctccac	120
ccgccatcgc	ggactctttt	cgctcgcgaa	atttacatga	atcttcttct	tgacctctc	180
gaccccatca	attgccctgc	gattcagtec	gcgactcttc	tcaccttgt	cacagcattg	240
ttggaccacc	cagctaacac	gcgaacgttt	gaagaactgg	acggactgct	caccgtgact	300
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tattttctatc	tgatgccgga	gaccccaaca	tatcccgtcg	gggcaagtgc	tccaaatacg	420
gcggtctgcg	ggttacagcg	cagccccagc	aaactaggcg	gtggtccgta	ttcacgaagt	480
ctcaatgtgg	cgggcccccg	gcatggagga	aaggggccatg	gggatacgcg	cacgaccgag	540
gagaaacagg	ctctgttagg	gcgatatctc	aacaatgtgg	aggacctagt	ggaggatctg	600
aaggagacgg	ctccctttgg	agcgacggtc	tattag			636

<210> 7864

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7864

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agtctcttta	caacactaac	aggttgcagc	gctgtacaca	tcaacagtat	gactattcat	120
gacgaacctg	tcttacccca	tggcggtgtg	aagaacagtg	gatggggccg	attcaacgct	180
gctcagggac	tagaagagtt	ccttgtcacc	aagagcgtga	catggatgga	ttga	234

<210> 7865

<211> 471

<212> DNA

<213> A.fumigatus

<400> 7865

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acattgggtca	acgttgctc	taaggcgcg	gtggagggca	tgattgacag	ggctctcgaa	180
tcaggcgctc	acctcatcca	cgggtcactc	gacaagacag	tgggaaaatc	agggtgtgcg	240
atggcccccg	tacttcttgg	tggcgtgaga	gaagacatgg	aggataggca	agaggaagcc	300
tttgctctgc	tggcagcatg	catggtggtc	aacagcgacg	aggaagccat	ccgcctcgcc	360
aacagcagtg	gctacggatt	gtccgcggcc	gttttcaccg	aggatttgag	gaagggggtg	420
gcgattgcca	agaagataca	atctgggtca	gtattttggg	tatcatatta	g	471

<210> 7866

<211> 1176

<212> DNA

<213> A.fumigatus

<400> 7866

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aaagtgcgac	tcgtactggt	accggagggt	gactttgtcg	accagcgtat	ctaccgcttc	120
gagccgactg	atggagcatc	cgatgccatt	gcccgtctcg	ataccttgtc	attttcccta	180
aacaccacga	tgtcagtcga	gcgcttcaat	caatggcgtc	agaagaccga	tattagacgt	240
ctccgtacat	ggagcatcgg	ccgtatcaat	aacaccacc	tcgctcgaac	gattggcgcg	300
gttgcaccgt	cctttcagcg	tctggaacgg	ctcgaactca	acctacggga	gacacctagg	360
agaagcgtcg	ggtactggcg	ctcagtggaa	gagatgatgc	tgtcattgcc	accgctcaag	420
ggtctctgcg	tgctcggcaa	ccgcaacgca	tccttcatca	gcaaggctct	gtccagacac	480
ggtgccaccc	tattgagcct	cggactagac	acacgcaata	tccaacacga	cgtcctcacg	540
cagagacaga	cacgtccata	ctataacgcg	caggcaatcg	cccgttttgc	gagcaagtgc	600
cccgtcctcc	gagagctgca	cctcaccgtc	caccgcgtgc	aaggctctagc	tcccagagta	660

aaagttttaca	aagcactcgg	tcgttttctct	tccctattgc	atctctgcgt	aaagctccat	720
tacttcccca	gtgcaggtga	ccctcatgac	aatgtagatc	cttccactat	accggactat	780
ctctccaggt	acgactttgc	catgggtcgg	aaagccagag	cattgtacat	caacgccgtc	840
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cgtctcgcca	gtctcagact	ttttccagcc	tcagaactgc	aaccccaggc	ccctccatta	960
tttgtacgaa	atgcttacca	gactcacctt	tttcatgggt	tcacagtgc	cagatccctc	1020
aatcctcgac	ctggcgctct	cgacatcaag	cgaactcgca	cagcgattgc	ttgtcccgtg	1080
gccgaactgg	cccccttttc	cgtgcttggc	cgcgactata	ttctggaatg	gatttggccc	1140
aatgatatta	caagcttccc	gtcgcaggat	gcatga			1176

<210> 7867

<211> 330

<212> DNA

<213> A.fumigatus

<400> 7867

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gaatgtgct	gcaaacgctt	caaagtttca	gacaaatgca	agccaaatta	cggtagttgc	120
gttgacggcc	gccgttccgt	ccctatcgag	cttttagatg	ttgcgggtct	cgttccctgga	180
gcacaccagg	gtcgcggctt	agggacaacg	ttcttagatg	acctacgtca	tgcggatgct	240
ttgattcacg	tggtggatgt	tagtggaaca	actgacgcag	aaggtcagca	atcgtattct	300
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<210> 7868

<211> 369

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (233)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7868

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cggctctgaga	ttgtgcgatg	ggtcttgggc	aatttgatgc	aaaaatggta	cgatatgatc	120
aagggtgacc	ctgggacttc	tttgtgtttg	tcccacgaag	cttacggtca	tacgcagggg	180
ttctatcaaa	aaaaaacatg	ttgcgaacaa	tcagtcaaag	cgggggtccc	ganaatcgat	240
cgaagttggt	tgactggtgg	atgcagaatc	caccgcagta	aaaacattac	aaaggccaat	300
tttccccgaa	tatgggaagc	acctccggcg	aaacggttgg	cgcccctggt	ctgggaaaaa	360
aaacgggtc						369

<210> 7869

<211> 402

<212> DNA

<213> A.fumigatus

<400> 7869

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aatgcaaagg	gcgcctcca	tgaactgagc	aagttgctag	ctgacgaggc	tggttatcct	120
atcacatata	accattacta	tacagacaat	gtccaaaggg	cacgcaacaa	ccggtggagg	180
caagatcttc	gcacatcgct	caataatgcc	attacccaag	actggaatag	tcgctttcac	240
gtaaacaact	cgctgacga	gatcagtcgg	cttgtgacgt	ctctccaaaa	tcatcacatc	300
atcgttgata	tgggaagcgg	ggcatgctat	gaggcggaaa	tggacttggg	tgccctactac	360
aaggtttgct	tcccttgggg	tactgggaac	cgtgtgtatt	aa		402

<210> 7870
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 7870
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 atgcattggg ctttctgtct ttctgatctg attaagaagc aatgcgattt tggtatagag 120
 ctgcctgaaa cagcggttct gagtctgttt cgcggggcgg atgctcccta cgaaacgatt 180
 tcgtatgtaa gatcccaaga aaaaaagtcc taa 213

<210> 7871
 <211> 690
 <212> DNA
 <213> A.fumigatus

<400> 7871
 gacgcttcct ggcgcggagc cgggcgatct ggattagggt caatttcagc ggttgatccg 60
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 gtcgtagagc gtatcgtttt gcatatcctg gtacgagtag aggatgtcga ctctggggat 180
 ggaggcgacg ttgcgcacgt cgaaagtggg cttaccgggt ggcacgacgg gcgggtaaaa 240
 gaagtacggc ttggttgaga tgatggcgcc gaggttgccc atctcgacgg ccttgaaggt 300
 gtccatgggt ttggcgtttg tcttgagagc gtatgacgag gacacaatgc ggtcgttcat 360
 gacgaccagc gcaccacggg tgcgcgcagt ggggtgcgcg ggcacgggtca cggcctggag 420
 gaggttgaac gggccgtcgg cggagatggc ggttgccggc cgcacggcgc cgacgacgac 480
 gatgggcttg ccgcagttga ctgtagcgct gaggaagaag gccgtctcct cgagcgtgtc 540
 ggtgccgtgc gtgatgacgg cgcgcgtcat ggtggggctg tcgcagacga cctcgttgat 600
 ggtcctggcc atgtggagca gaagggaaga cgtcacgtcg gggctgccga cattggcgac 660
 ctggatgccg gccacgttag caacgtctag 690

<210> 7872
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 7872
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 tgcgcggcga cggtcacggc ctggaggagg ttgaacgggc cgtcggcgga gatggcggtt 120
 gcggggcgca tggcgccgac gacgacgatg ggcttgccgc agttgactgt agcgtcgagg 180
 aagaaggccg tctcctcgag cgtgtcgggt cgtgctgga tgacggcgcc gctcatggtg 240
 gggctcgtgc agacgacctc gttgatgggt ctggccatgt ggagcagaag ggaagacgtc 300
 acgtcggggc tgccgacatt ggcgacctgg atgccggcca cgtagcaac gtctagcatc 360
 tcagggacgg catccatgag ctgctggatg ccgatcgcgc cggccgtgta g 411

<210> 7873
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 7873
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 ccacatggcc aggaccatca acgaggctcg ctgcgacgac cccaccatga gcggcgccgt 120
 catcacgcac ggcaccgaca cgctcgagga gacggccttc ttctcgacg ctacagtcaa 180
 ctgcggcaag cccatcgctc tcgtcggcgc catgcccggc gcaaccgcca tctccgccga 240
 cgcccggttc aacctcctcc aggcctgac cgtcgcgcgc caccctactg cgcgcaaccg 300
 tgggtgcgctg gtcgtcatga acgaccgcat tgtgtccgcg tactacgtct ccaagacaaa 360

cgccaacacc atggacacct tcaaggccgt cgagatgggc aacctcggcg ccatcatctc 420
 caacaagccg tacttctttt acccgcccgt catgcccacc ggtaa 465

<210> 7874

<211> 975

<212> DNA

<213> A.fumigatus

<400> 7874

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gttgggaatg	cctctccgtt	tgtctacccc	cgagcaacca	gccccaacag	tacatatgtc	180
ttcaccaact	cgcatggctt	gaacttcacc	cagatgaaca	cgacgtccc	taatgtcacc	240
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gttgctaacg	tggccggcat	ccaggtcgcc	aatgtcggca	gccccgacgt	gacgtcttcc	420
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aagacaaaacg	ccaacacccat	ggacaccttc	aaggccgtcg	agatgggcaa	cctcggcgcc	780
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ttcgacgtgc	gcaacgtcgc	ctccatcccc	agagtgcaca	tctctactc	gtaccaggat	900
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<210> 7875

<211> 264

<212> DNA

<213> A.fumigatus

<400> 7875

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gtcgccatca	cagacagcga	gaccacaatt	gagagcggct	tcttgaaccc	gcagaaagcg	180
cgcactctgc	tcgggtctgt	gcttgctgag	gataagggat	tcaaggagat	caaagaggcg	240
ttcgcgaa	acgggggtgc	ttga				264

<210> 7876

<211> 612

<212> DNA

<213> A.fumigatus

<400> 7876

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gctgcctccg	aaattctgta	cagtctagat	cccaactatg	ccgagattga	cccctgcgag	180
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gcttacaatg	cttgcttgga	cgaagccgtg	atcagcaaac	gtggtagcga	gccattggat	420
gctttgcttg	ctcaactcga	cgatatctat	tctgcagagt	caactgcggt	tggttcggat	480
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atgggcccag	gtgtaagtac	atcagccggt	ggcattcgac	agcttcttgt	tctaacaggc	600
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<210> 7877
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 7877
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 accaagtaca cggcgaacga tgtttccaac caccatctct cttggttgag cagccaccaa 180
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<210> 7878
 <211> 657
 <212> DNA
 <213> A.fumigatus

<400> 7878
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 tcacatccgg aacctgaaac atcgctcccc ggtactcccg catcggcttc tccatccggt 180
 agattactgg gacatgctcc aaccagggat attcgcgcgc aagtccctgga tgggaattgga 240
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 tcggctgtct ttgctctcat gtcccagatc aacaagggtta ttctgggcac gcactctgtc 600
 cttgccaaacg gcgggctggt cttcaccggg ggtgcaagag cgctcgtttc aaacacc 657

<210> 7879
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 7879
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 taccttctcc ttcgctcgtt ttcagcttgc aggacgacag atgcagctaa gctaattgaa 180
 cgggtgcaga gcgtggggag gcgattggtg gctgctcaac caagagagat ggtgggttga 240
 aacatcgctt gccgtgtact tgggtctcatt cgcgacgaag ctgaggacga gagagatggt 300
 gatttcactc tcagtgtatg tggatccgaa ggtcagcctc aaacgcctcg tgtttcggaa 360
 ggtcggtaa 369

<210> 7880
 <211> 1584
 <212> DNA
 <213> A.fumigatus

<400> 7880
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 ggctcaagcc cttcagccga cggaccagcc cccatcaatg ggacaaaaac ggcttccgac 180
 gaagattcac cacatcgcca ggaagaaagg cgactgagcg acgatgctca tatgcctggt 240
 caggactgtg ggtacaactc atcggaatcc tcaacgcaac actccacgag cgacacatct 300
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tcagcggggg	cgtctccgct	taagagatcg	ccttattact	cgcctaccgg	atctacaggg	720
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tcgctgcctg	tgccagggtt	gattgggtac	ccggaccaga	agatactgaa	agtagtgctg	840
cctccagagt	actggaggag	atggaagttg	ctggaggaga	aagttgggtc	cagcgtgggt	900
cgtgaccggg	gtgtgcttat	ctctcaccgc	gaggatatgt	atgatctgct	tgaggaacga	960
ttgctggaaa	gcttggaact	ccagcgtcca	cggctccatc	atggtcactt	tttgggacat	1020
gaggacacgg	aatcggacaa	gggtgaccag	tcggccacgg	aggatagtgc	cactgatgat	1080
gagcaaggag	aagagtgcgc	tgattgtgga	ggccgatttc	caaggcacga	ttcgagcagg	1140
aagtgggaga	tcaagggttt	cgcgcgcaat	gggctgatga	gagctgggtc	ctgggctgca	1200
gcttggaag	agatggaaaa	gggtgatgtc	gaagtcggcc	tttggctgcc	gtctgagatt	1260
aggagggagc	tggaaaagcg	acttttggac	aatgatcgcc	ctagcactga	ccctaagcta	1320
caggtgccgc	aactcaggga	gccagccacc	agcatcacc	cagagctgta	tgatcaacca	1380
ttgcgcacga	atacacctac	cccattgatt	cacgaaacaa	gtgtatgtgt	tcctgacgaa	1440
gctgcccgc	cctcatctcc	tgcaccagca	attacaacgc	cagcgaaagc	tacaggcatg	1500
ccacccccca	acgtatcctc	cgaggtccgt	gggaaaaatc	gaactgcata	cgtgctcat	1560
caactacttc	cgggtcttgg	ctaa				1584

<210> 7881

<211> 465

<212> DNA

<213> A.fumigatus

<400> 7881

cgacgacctg	tcgccccgat	caagccctgg	gtatcaaac	tacattcact	ttcaacaaga	60
ctctcgacga	taccatctgg	aatgtcacca	atggagtcct	gtcgcacacc	gacgaaggaa	120
ccgaattcac	catcacaggc	gagaaccaat	cgccacgat	gcagtcaaac	ttttacatct	180
tcttcggtat	tgtcgagtcc	cacgtcaaaa	tggccaaggg	cgcgggtatc	atcagcagta	240
tcgtgctgca	gtctgacgac	ctggatgaga	ttgactggga	atgggtgggt	tacaacacca	300
gcgaggtcca	gtccaactat	ttcggcaagg	gtaacaatga	gaccttcaac	cgcggcggct	360
accactatgt	ccccaatgcc	gacacggaat	tccacaacta	caccacgtac	tggacccaag	420
agaagctgga	gtggtggatt	gacggcaagc	tcgcccggac	cttga		465

<210> 7882

<211> 303

<212> DNA

<213> A.fumigatus

<400> 7882

caggtaaaca	ggggcaactc	caccatcgcc	aatgccatcc	aaaaccacc	aaaatctttg	60
tccgagaagt	gggcccgaact	cccgaccggg	gccaaaggccg	gtgtatacat	cggggccgga	120
tgcgttgggc	ccgccttgct	cgcggggttc	atcttcttct	tcategcaca	gcgcaagaag	180
ggcgcgtctc	agcacgcgct	cagggatgcc	aagtgggccca	atgaacgcac	cgaaatgagc	240
actttccaga	acgattggaa	gcagagcgag	tggaaacaca	agggatacca	gccgggtcaat	300
tag						303

<210> 7883

<211> 261

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (247)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7883

gcactttcca	gaacgattgg	aagcagagcg	agtggaaaca	caagggatac	cagccggtea	60
attagccctg	cgttgcaaaa	cgatctcgtc	ctcggttccc	taagcaaggg	atgtcccatg	120
tccttactcc	cccttaatgc	tctttttgcc	gctgggtgtt	cagagacct	cgttttatcc	180
cgtgctgctt	tgctgggtcaa	actgcgcggt	ggtatcgtgg	agctcggggg	tgggcgctgt	240
ttgggtantaa	atgtctttta	a				261

<210> 7884

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7884

accacgggaa	ccaatcccat	gaacatcatg	gaccgcgtcg	tggagcagag	ttctgatagc	60
cactgggtaca	atgattacaa	caaccacctc	ttctcatccg	accccaaagg	cttatgcata	120
acatcccacc	ccacctcgac	cccctccacc	gcagccgaat	gcctcacaaa	cgatcatctc	180
ccaaaccccg	tctgcctcgt	ctccaggtat	ccttctggca	catccgccag	agacacataa	240

<210> 7885

<211> 843

<212> DNA

<213> A.fumigatus

<400> 7885

agcgttgctc	ttccagccgc	ctgggttaaga	caccccatca	tgctgctcct	ttaccttggtg	60
gccctcttcg	tggccagcat	ctgttcgggtg	accgctcaga	catggacatc	gtgcaaccct	120
ctgacgacga	cctgtccgcc	cgatcaagcc	ctgggtatca	acactacatt	cactttcaac	180
aagactctcg	acgataccat	ctggaatgtc	accaatggag	tctgtgcgca	caccgacgaa	240
ggaaccgaat	tcaccatcac	aggcgagaac	caatcgccca	cgatgcagtc	aaacttttac	300
atcttcttcg	gtattgtcga	gtcccacgtc	aaaatggcca	agggcgccgg	tatcatcagc	360
agtatcgtgc	tgagtcctga	cgacctggat	gagattgact	gggaatgggt	gggttacaac	420
accagcgagg	tccagtcctc	ctatttcggc	aagggttaaca	atgagacctt	caaccgcggc	480
ggctaccact	atgtccccaa	tgccgacacg	gaattccaca	actacaccac	gtactggacc	540
caagagaagc	tggagtgggtg	gattgacggc	aagctcgccc	ggaccttgac	atatgaagat	600
tctcaggggg	ccggcaagta	ttaccgcgag	actccttgca	acattcgcta	tggcatctgg	660
cctgctggta	tcaaggggaa	tgcgcagggc	acgatcgagt	gggcccgtgg	tctgggtggac	720
tactcgaaag	ctcctttcac	catggctctc	cagagcgctc	gggtgcatga	tttccatacc	780
ggcaaggagt	ataactacac	cgatcactct	ggatcctggc	agagcatcga	tgtcatcgcg	840
taa						843

<210> 7886

<211> 441

<212> DNA

<213> A.fumigatus

<400> 7886

cctgccgata	caccgcgcgc	tccacccccg	ccgctaggaa	atacccccgc	gcatgatcca	60
gcacctggca	cggcgctgcg	cgccccgcct	ccccagcgcc	gtattgctcc	gcctcggaca	120
cgttcatccc	ggaacacgtc	tgcaccagcg	agtcgaagcc	gcgacgtgcc	cgccatggac	180
ccgttggacc	gtacgcgcgag	aggttcgcgc	agacgatccc	cctgccctgc	gccgcccgcc	240
gcgcgccag	cgtttccggg	gagaatcccc	ttgctgcgag	agctcccggc	cggaaccctt	300
gtacgaagac	gtgcgcgctc	tgcgtcagcc	gccacagctc	tgcctcccct	tctgctgcgt	360

ccagatcgat ctggatggtg cgtttccgcg gccgaattc ccggtcgatg gggggtaggt 420
 ggggaaggtt gggagacgtg a 441

<210> 7887

<211> 1083

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (16), (29), (31), (33), (34), (35), (37), (40), (55), (58), (63), (66)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7887

aatgggctac	ttgctnatca	gcactatcna	ntnnngnctn	tcgtcccaag	ggctnaantt	60
ttnaanttcg	ccategcccc	ctggcgctcc	ggcgacctcg	aaaccgcgcg	cttcgacgcc	120
ggctgcgtca	tctccgcctt	gagatcctac	gctcagtggtg	acgccacccc	gcaagcccgc	180
gccgtcgccg	acctccccat	cctcctccgc	cgcacgcggc	acgctcccc	gggtctaccg	240
ccgtccatgc	gcagcgcacc	cacagacaag	tgcctgcgcg	gactccgcgt	cctcgaactc	300
tcccgcgtca	tgcgcccccc	gctctccggt	aagaccctcg	ccgccacagg	cgcatacgtc	360
ctctgggtca	cgtctcccaa	ccttcccgac	ctacccccca	tgcaccggga	attcggccgc	420
gggaaacgca	ccatccagat	cgatctggac	gcagcagaag	gggaggcaga	gctgtggcgg	480
ctgatcgacg	acgcgcacgt	cttcgtacag	ggtttcgggc	cgggagctct	cgcagcaagg	540
ggattctccc	cggaaacgct	ggcggcgcgg	gcggcggcgc	agggcagggg	gatcgtctgc	600
gcgaacctct	cggcgctacg	tccaacgggt	ccatggcggg	cacgtcgcgg	cttcgactcg	660
ctggtgcaga	cgtgttcggg	gatgaacgtg	tccgaggcgg	agcaatacgg	cgctggggag	720
gcgggggcgc	cagcgccgtg	ccaggtgctg	gatcatgcgg	cggggtatct	cctagcggcg	780
gggggtggagg	cggcggtgta	tccgcaggct	actgaagggg	gatcatgggt	cgtggatgtg	840
tcgtttggcg	gggtgatgaa	gtatctgcgg	tcgctggggc	agtatgaggg	gagaacgggg	900
ttcgacgagg	ggcgggatta	tgtgtctctg	gcggatgtgc	cagaaggata	cctggagacg	960
aggcagacgg	ggtttgggga	gatgacgttt	gtgaggcatt	cggctgcggt	ggagggggtc	1020
gaggtggggg	gggatgttat	gcataagcct	ttggggtcgg	atgagaagag	gtggttgttg	1080
taa						1083

<210> 7888

<211> 483

<212> DNA

<213> A.fumigatus

<400> 7888

gacctcgcc	gcccacggcg	catacgtcct	ctgggtcacg	tctcccaacc	ttcccgacct	60
accccccatc	gaccgggaat	tccggccggg	gaaacgcacc	atccagatcg	atctggacgc	120
agcagaaggg	gaggcagagc	tgtggcggct	gatcgacgac	gcgcacgtct	tcgtacaggg	180
tttccggccg	ggagctctcg	cagcaagggg	attctccccg	gaaacgctgg	cggcgcgggg	240
ggcggcgcag	ggcaggggga	tcgtctgcgc	gaacctctcg	gcgtacggtc	caacgggtcc	300
atggcgggca	cgtcgcggct	tcgactcgct	ggtgcagacg	tgttccggga	tgaacgtgtc	360
cgaggcggag	caatacggcg	ctggggaggg	ggggcgcgca	gcgccgtgcc	aggtgctgga	420
tcatgcggcg	gggtatttcc	tagcggcggg	ggtggaggcg	gcggtgtatc	ggcaggctac	480
tga						483

<210> 7889

<211> 744

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (609)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7889

tatagacagc	cccttgggtga	agaccaggaa	attcgggtga	actgggctta	ccagtcaaat	60
tccgcgaaca	aggaagatac	ttctttctac	tttcacattt	tcgtcggcga	tctaagcaac	120
gaagtcaacg	acgagatcct	gtctccaggcc	ttctccgcct	tcggctcggg	gtcagagggt	180
cgtgtcatgt	gggatatgaa	gactgggtcgt	tcccgtggct	atggcttcgt	tgctttccgt	240
gagcgtgccg	atgcagagaa	agcactgaat	gccatggacg	gcgaatggct	cggttcgcgt	300
gccattcgcg	gcaactgggc	taaccagaag	ggacagcctt	ctatttccca	acagcagggt	360
atggcggcca	tgggcatgac	tcccaccacg	ccctttggcc	atcaccactt	ccctacgcat	420
ggggtccaga	gctacgacat	ggtcgttcag	cagacgccac	agtggcagac	tacgtgctac	480
gtgggtaatc	tgacaccgta	cactacgcaa	aacgatcttg	tccctctctt	tcacaatttc	540
ggatatgtac	ttgagacacg	ccttcaagca	gaccgtggat	tcgcctttat	caagatggat	600
acacacgana	atgctgcgat	ggctatttgc	caattgaatg	ggtacaacgt	taacggacgt	660
cctctgaaa	tgcagcgtac	gtttgctctc	gccttttttg	ctcttatttt	aaggctgctt	720
ttactgaccg	ttgtagtggg	gtaa				744

<210> 7890

<211> 378

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (33)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7890

gccctgcgcg	cccagggaat	cgatcgcaag	agntacctgc	actggatctc	gccgctgcag	60
cgtacatgg	ccatcgtggc	ggtgatcctg	ggctttagca	cggcgctctt	caacgggtat	120
gccgtgttca	agccgtttga	tgcccagggg	ttcgtcacct	cgtactttgg	actggccttc	180
tttgtcgtca	tgttcgcttc	ctggaagggt	gtgaaacgca	ccaagtgggt	ggatccggcg	240
acggcggata	tctacacggg	caaggccgag	atcgacgagg	agtgtcgcgt	ctgggaagat	300
gggacctggg	acgagataca	caaggccgag	ctggcccaga	tgaacattat	cgcgcggatg	360
tgggagcgca	tgtggtga					378

<210> 7891

<211> 765

<212> DNA

<213> A.fumigatus

<400> 7891

tctgtccagt	atccccacta	cctcccggtc	tgggatcaca	gcgagaaata	tccacccctg	60
gagcccttca	cacacagcga	ccccggcttg	cgcgcagacc	cgctcctccc	agacctactg	120
aaaccgggca	cgaagattca	gaacctgacg	cctaccatcg	gctccgagggt	cacgggtgtg	180
cagctctcgt	ccctgtcagc	tgccggaaaag	gaccagctgg	cacttcttgt	ggcgcaacgc	240
agagtgggtg	tctttcgoga	ccaggatttc	gccgacctgc	ctattgcgga	cgcgctcgag	300
ttcggctccc	actttggcgg	ccaccatata	caccgcactt	ccggccagcc	agaggggtac	360
cccagatccc	atctggtgca	cgggcacaac	agccaggggc	agctggacgc	gttcttcgcc	420
gacaggaaca	gcacgggttg	ctggcactcg	gacgtcacgt	acgaagcgca	gccgcccggc	480
accaccttcc	tctatatact	ggactcccc	gaggtcggcg	gagacacggg	gttcgtggac	540
caggtcgagg	cgtatcggcg	actctcgccg	gccatcaaag	agcgactgca	cgggctgaag	600
gccgtgcaca	gcggcttcga	gcaggcggag	ttcagcaggc	agcgcgggcg	ggctgtccga	660
cgggacccgg	tgaagcatga	gcataccgat	gtgcgcacgc	acccggtgac	gggggagaag	720

gcgctgtttg tcaatggggg gtgtaagtgt ccttcaccaa cttga

765

<210> 7892

<211> 336

<212> DNA

<213> A.fumigatus

<400> 7892

ggaaatgagc	catctgacga	atgtgcagtc	acgcggagca	ttgtcggcct	gaagaaagaa	60
gaaagcgatg	cgttgctggg	tttcctgctg	aaccacgtgg	gccgggggat	cgactatcaa	120
gccaggatca	agtgggcgcc	caagactgtc	gtggtttggg	atgtaagtca	cccgcacacta	180
tctctctccc	tggacgatca	aacgctgatg	agggagaac	cgcgtcacgg	cacattctgc	240
gctggtcgac	tggacgacgg	gggaacgtcg	tcatttggcg	cggattaccc	ccaggccgag	300
cggccctacg	agacgccata	cgttccggag	gagtag			336

<210> 7893

<211> 450

<212> DNA

<213> A.fumigatus

<400> 7893

cgcctaccat	cggctccgag	gtcacgggtg	tgcagctctc	gtccctgtca	gctgccggaa	60
aggaccagct	ggcacttctt	gtggcgcaac	gcagagtggg	ggctcttcgc	gaccaggatt	120
tgcgcgacct	gcctattgcg	gacgcgctcg	agttcggctc	ccactttggc	cgccaccata	180
tccacccgac	ttccggccag	ccagaggggt	accccgagat	ccatctgggtg	caccggcaca	240
acagccaggg	cgagctggac	gcgttcttcg	ccgacaggaa	cagcacgggt	gcctggcact	300
cggacgtcac	gtacgaagcg	cagccgccgg	gcaccacctt	cctctatata	ctggactccc	360
ccgaggtcgg	cggagacacg	gtgttcgtgg	accaggtcga	ggcgtatcgg	cgactctcgc	420
cggccatcaa	agagcgactg	cacgggctga				450

<210> 7894

<211> 294

<212> DNA

<213> A.fumigatus

<400> 7894

cccacatatg	ctgcacgtgg	caatcggagg	ataccctaca	accgcgtctc	tattggggag	60
tacatcttgt	ctgtggacat	cgtcgtatca	cgagatgcta	tgaagcctaa	gagtggagact	120
gtaactctgt	gggatgatgt	cctctctgag	tcacgtgcaa	tgagaagcag	ctgtctaagc	180
ctagcttgcc	gtcacatgta	cagtagtaac	agtactaacg	tatccaagaa	aaaaaactgc	240
tttcatctgc	cacttggagg	gaggtggcag	gaggtagatc	tcaatatttt	gtga	294

<210> 7895

<211> 324

<212> DNA

<213> A.fumigatus

<400> 7895

gtctatcgct	cccacaggaa	caatcagtc	gttgatggaa	gtagcttgtg	gaacaacatc	60
gacgccatca	actcaatcaa	ccagacttac	gagatggccg	ataattttga	catttggaac	120
taccgtagcc	accttctttt	gactgaactc	aaagatcaaa	tcacgcgatt	ttcatgcagt	180
ggagggatct	ggacgcaaac	aacagatgta	gaaggcgagg	tgaatggctc	gttgacttat	240
gatcggagac	tgaagcgtgt	agatgagaag	atgtggaaag	acgatattca	ggctttgtat	300
gacgcggcga	aggccaggac	ttga				324

<210> 7896

<211> 435
 <212> DNA
 <213> A.fumigatus

<400> 7896
 caatccgtcg taacctcgtc gcccggtct tgcgcccttca tcacatcgaa caataaacga 60
 acatcttgga ccgctcgtgc catcggtccc gccacatcct gcgtgtcagt gacagggatg 120
 attcctctcc gcgaaatctg tcccctagtt ggtctgaatc cgatgatcga gcacgcccgc 180
 gcaggcgagc gtagcgaatt catcgatatc ccaccacatc ctacgagtgc tagattcgcc 240
 gctagagcag cagccgtccc acctgacgaa ccgcccgggtg tcccgcctga ggcatataccg 300
 gttccgcgtc tgacctccca gcgaagaaac agtgacaccc tccagcgaaa gttcgtggag 360
 attggcctta ccaaggataa tggcgccagc gcgacgcagc ttcgtgacga cgaaggcgctc 420
 ggcttttgtc tgtag 435

<210> 7897
 <211> 951
 <212> DNA
 <213> A.fumigatus

<400> 7897
 aagccctcca ttccctacag acaaaagccg acgccttcgt cgtcacgaag ctgcgtcgcg 60
 ctggcgccat tatccttggt aaggccaatc tccacgaact ttcgctggag ggtgtcactg 120
 tttcttcgct gggaggtcag acgcggaacc ggtatgacct caggcgggac acccggcggt 180
 tcgtcaggtg ggacggctgc tgctctagcg gcgaatctag cactcgtagg atgtggtggg 240
 gatacgatga attcgctacg ctgcctcgcg tcggcggtgct cgatcatcgg attcagacca 300
 actaggggac agatttcgcg gagaggaatc atccctgtca ctgacacgca ggatgtggcg 360
 gggccgatgg caccgacggt ccaagatggt cgtttattgt tcgatgtgat gaagggcgaa 420
 gacgcgggag acgaggttac gacggattgt caacgtgacg caatggagcg tagctccgag 480
 acatgtggta gacgcaaaag gatcggtggt ttgagatcgt ttttcgcgga tgacggtgat 540
 cctgaaggct caattgtcaa ccagacagtg ctggacgcgc tggataaagc tagagctaac 600
 gtgccagtcg agctcgtcac gctctctccc caacgcgccc actgggacat tcccacgctc 660
 atttccacgg cggacatgca agcatacagag ttccgcagtg tcatcgacac ctctctacaa 720
 tcgtcattga tcgcgttcac gccgcagtat tcaactaaact cgatcgtcgc cagcggcgag 780
 tacctccaag aagccgtgac accggccctc tatcgtacac tgcagaagga cggcccatat 840
 acaatgcaaa gtccagagta tgaatctcgc ttggcgacaa ttgcagcatt gaagaagtct 900
 gtagaggatt gcttcgagtc ttcaccacgg ggtggaagga cagagtcaca t 951

<210> 7898
 <211> 645
 <212> DNA
 <213> A.fumigatus

<400> 7898
 ttatcctggt caaagaaggg agatatggga agtataggct ccattgacat ccaagagctt 60
 acggtatcag agtaccatga tgctctacgc gacaggagga cgacctgcac tgagggttg 120
 gtagcatacc tcgatcgaat atcacgctat aatagcctgc tcaaagctct aataacggtc 180
 aacaagaatg cactcgacgt ggcccagaaa agagaccagg aaacggaggc acttctacag 240
 caacatggga aagaccatac ccttcgcgcc ctctcatggg tccccgttat ccttaaagac 300
 acctacagca ctctcgacat gcctacaaca tctggagtaa aagccctcca ttcctacag 360
 acaaaagccg acgccttcgt cgtcacgaag ctgcgtcgcg ctggcgccat tatccttggt 420
 aaggccaatc tccacgaact ttcgctggag ggtgtcactg tttcttcgct gggaggtcag 480
 acgcggaacc ggtatgacct caggcgggac acccggcggt tcgtcaggtg ggacggctgc 540
 tgctctagcg gcgaatctag cactcgtagg atgtggtggg gatacgatga attcgctacg 600
 ctgcctcgcg tcggcggtgct cgatcatcgg attcagacca actag 645

<210> 7899

<211> 630
 <212> DNA
 <213> A.fumigatus

<400> 7899
 ctatctcggc attctcacgt tgcagatata tacagaacac ggacaatgcc tccaaaaggc 60
 acgaagccta cgaacgatga gctcctcgcc caattcgacg atctcggcat cgactcgacg 120
 acagagaagc gaccatcaaa gccgatagct gcatccacta ccgcacagtc cgaagatgat 180
 attctggctg agctggacaa tctagcttcg cagcgcccaa acagtgggcc cggcactcca 240
 cgactgtcaa cgaacgagcc tagaccagcc accaaatcac ctaagccagc agcagtagct 300
 acacctcgct ctacggaaga caaatcgcc cctcgtaagt ctggggagag tgttcggtca 360
 gcccttctg gaaacaaggc tacaactaca caaccgtcag agcaagagaa gccaaaggcg 420
 caggaggcac cagccagtgg aggtggagga tgggtggggag gtatttttgc aacggccact 480
 gctgctatga agcaagcgga agctgcagtc aaggagattc agcagaatga ggaggcccaa 540
 aagtgggccc agcaagtgcg agggaaacgtt ggagttctca gagacctagg tgagtgggca 600
 atgttagttt ttctatttga ttctgtctaa 630

<210> 7900
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 7900
 tactctctag gtggcgagct caagaacaag gccctgccta catttacatc tctgcttcac 60
 accattgccc ctccaatttc ctcccatgaa cggctccaaa tacatgtcac tcacgatatc 120
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 gtcacacctg gaactcctcg cagtattgcg ggcgtccgag gcaactggtg ggccaccaag 360
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<210> 7901
 <211> 489
 <212> DNA
 <213> A.fumigatus

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 gttgttgac agcgttatgt ggctcggaga atgggtgttg gtgaacgggg tcccggtaag 420
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 gcgctctag 489

<210> 7902
 <211> 702
 <212> DNA
 <213> A.fumigatus

<400> 7902
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ggagttgtag ggctcaacaa cggaggtggc gttctgggga gcagggtaga cgcagaattc 180
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ggaaccggta ccaccaccga aagagtggaa gaccaggaat ccttgagac cagcgcagtt 300
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<210> 7903

<211> 300

<212> DNA

<213> A.fumigatus

<400> 7903

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acccagtctt gcaacgctcg attcttcaac ctcatcctca aaaccctcc ctccgcaaag 240
gcaaaatata accaaccggc ctcttccaa tggatcacac accaacctcc aaatcgggtg 300

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<210> 7904

<211> 414

<212> DNA

<213> A.fumigatus

<400> 7904

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ggaacagatt cttgggttctt tctcgaaaac ctgacgccag gccaacgcta cgaagtccgg 360
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<210> 7905

<211> 522

<212> DNA

<213> A.fumigatus

<400> 7905

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acgggcaagg aggatgcctc taacaactat gctcgtggtc actacaccgt tggaaaggag 180
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acctggagc actccgactg cagcttcatg gtcgacaacg aggccatcta cgacatttgc 480
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<210> 7906

<211> 213

<212> DNA

<213> A.fumigatus

<400> 7906

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tctatatcat	atgcagagct	attcattgct	tgggtttcca	ttgccagttt	gggaactccc	180
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<210> 7907

<211> 336

<212> DNA

<213> A.fumigatus

<400> 7907

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acccatccag	tactcacagc	cactacttcc	gccaccacca	ccacccaccg	cgaacccggt	180
tgcttacaga	cctcaggtcc	tgcaccccgt	cgaccaggct	atccatgtga	tggtccacga	240
gctcggcttc	aaagaagaag	atgtcaagtg	ggccttgaag	atcacggata	ctggcgaggg	300
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<210> 7908

<211> 906

<212> DNA

<213> A.fumigatus

<400> 7908

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<210> 7909

<211> 225

<212> DNA

<213> A.fumigatus

<400> 7909

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ctcaagggcg	caacggactt	tgtgggcaag	ttcttctacc	agatctcgca	gcacaggaat	180
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<210> 7910

<211> 762
 <212> DNA
 <213> A.fumigatus

<400> 7910
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 gcaacaaatt ctcaaaagag cttcgagctc ccaaaaaatc aacaacaacc attgcacaaa 180
 atgtcctttc gcaagcgcaa tataggcttg tcgggaaccg tcgatcgac gcctattgac 240
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 cctcccccg acgatgggag accaactact tcaacaggca cagcatcgct cgataacctt 360
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<210> 7911
 <211> 720
 <212> DNA
 <213> A.fumigatus

<400> 7911
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<210> 7912
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 7912
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 gaagggccct acaagaagct ggctcctctc cgcacgatt acgtgtatct gctcctgaag 180
 aaataa 186

<210> 7913
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 7913
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ttggcgaaatg	actatgacta	tgtctgccac	ggcaagggtct	atcggttcga	ggagggcagcg	360
accaggggca	acatgtaa					378

<210> 7914

<211> 1641

<212> DNA

<213> A.fumigatus

<400> 7914

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<210> 7915

<211> 231

<212> DNA

<213> A.fumigatus

<400> 7915

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acttacccta	ccgcaaagcc	cgatggatca	acacagagcc	tcgaagatag	taactatatc	180
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<210> 7916

<211> 564

<212> DNA

<213> A.fumigatus

<400> 7916

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ctcagtaagc	tgccaaaggg	tcgtggctgt	gatctgatta	tcgtgccgct	cagtgtcgac	180
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<210> 7917

<211> 330

<212> DNA

<213> A.fumigatus

<400> 7917

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<210> 7918

<211> 258

<212> DNA

<213> A.fumigatus

<400> 7918

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ggcgatatcc	ttctcgctca	tgatcaagtc	gttggttatcg	tcaagaacat	caaaccagta	180
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<210> 7919

<211> 465

<212> DNA

<213> A.fumigatus

<400> 7919

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<210> 7920

<211> 444

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (26), (77)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7920

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<210> 7921

<211> 1683

<212> DNA

<213> *A.fumigatus*

<400> 7921

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ttttggggcg acaaccctgc ggagcagaag gtcaacgctc ttcgtaaggc gactgaaaag 1260
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atccggacac tgcagcccaa ttcgggcac tcagtgacc ccggctggga caaaatcaaa 1560
acacgatctg gtcaacatcc aactgcggga acccgagtg aggcatttcg gtttcgaccg 1620
acatccgaaa aggatttggg atcgttacat tatccaagaa caactattct gaactgtgcc 1680
ctg 1683

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<210> 7922

<211> 528

<212> DNA

<213> A.fumigatus

<400> 7922

gatgatcgcc	agctcggatc	cttccagccc	cgtggtgaag	actcagatga	gcacccgcaa	60
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aagtactacg	ccacacaaca	gatgtgcccg	cacaaacgcg	ccttcgtgct	atctgatggc	180
ttgattggcg	atgacgatgc	gggtaaatat	tgggtctcct	gcccttacca	caaacgcaac	240
ttcgagctca	acggtgagca	ggcagggcgt	tgcacgaatg	acgagagcat	gaacattgcg	300
accttcccgg	ttgaggaacg	cgacgacggc	tgggtgtata	tgaagctgcc	tcccgttgag	360
gaactagatt	ccgttttggg	aacggagaaa	tgggaaggtga	ggaaagggga	agcaccagat	420
ccgttccaga	aggtcgacaa	gaggtacaag	ggcatgaggg	gcaagaaggc	gtgtgatatc	480
agtacgaaag	ccccgaccac	acaggcggca	aacatcatcg	attggttag		528

<210> 7923

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7923

acattgggat	tctcctgtgc	ttggtctatt	ttcgcagtga	attggtccgt	gagatcattc	60
tatataactc	cgcccatggg	tctaattcta	cttcagttat	gcaacctcgt	gtcagtcctc	120
attttttcaa	tcaagtctgt	ccattatctc	tccaaggtct	ttgacgctac	taggcttgtc	180
catccctga						189

<210> 7924

<211> 330

<212> DNA

<213> A.fumigatus

<400> 7924

aatttttcaa	tgatattctc	attccccggg	atcttctggt	ggatggcgct	cgattgtaag	60
caaccgtctt	tctccagact	gtcgcagggtg	catactggct	caccaagaaa	cagtgacatt	120
gccgatcagg	tgtgggtttg	ggaaaatgaa	gatggctcaa	ccttctactt	cgacatagga	180
gaaattgtcc	gtttcagagt	tgagatggag	gaatggcatg	atcagattcc	taatgcccc	240
gatctaggag	acggcacaa	cattgaacga	aagccccct	actccatcat	agtatgtggc	300
catgcgtttc	gatttcagac	ggaacgttaa				330

<210> 7925

<211> 219

<212> DNA

<213> A.fumigatus

<400> 7925

ttcgatgtag	taaagcggca	acgcgtcgtg	tctttggcca	ctcaattagc	cgtctgttac	60
atccaggtgt	caaacagcaa	ttgtctgtgc	aaacgcaaag	ccctgcatag	tcccaagtc	120
cttctcacat	ctcgaatcat	gcatatgcag	aacaaatctg	ccagccaagt	cttcaaccaa	180
tgtctactgt	ctgctaaagc	acccattcct	aagtctga			219

<210> 7926

<211> 645

<212> DNA

<213> A.fumigatus

<400> 7926

cataagtcta	gtgtgaatga	gatcttcaac	cccagcgcag	tcgacaagtt	ctacagccaa	60
------------	------------	------------	------------	------------	------------	----

tctgccgcag	aacgccagcg	ctctctcctc	gccgacaagg	ctaccaacta	cagtgttgtc	120
cgccctggagt	tgattgagga	gatctataac	gacatgtacc	tgagaggggt	gaagaaccct	180
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gatcagtggg	agccccaccg	agattaccgg	gttgagatgg	acccgagcaa	ggtcagctca	480
gaagccggca	tctggcttca	agggttgaat	gagcggacgc	atggccttag	tgacagtttg	540
ctgtcggtag	tggctgttcg	tgggtggcgag	atgggtccaat	cgatttttcgg	agagcagctg	600
gaaagagcgg	cggtacaggg	ccaccagcta	cgagccatgc	tgtaa		645

<210> 7927

<211> 1068

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (18), (1056)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7927

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ccacgtacgg	ccgggggaag	cgtgggattt	gctaaccgga	gggtttgcag	ctgtgtcccc	180
aacaagatga	cctggaattt	cgcttccatc	aacgaagctc	tccacgtcgg	cgagcactac	240
ggctacgaca	tccccaaagg	cgtcaagatc	aactaccgtc	aattcaagga	aaccgcgcac	300
gccgtcgtca	aacgtctgaa	cgtgcctac	gagagaaact	ggggcaagga	aggcatcgac	360
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ggcgcaaagg	cgcggtactc	ggcgccctac	attctcatcg	cgaccgggtg	ccggcccagt	480
attcctcctg	tcaagggtgc	cgagcatggt	atcactagcg	acgggttctt	tgagatcgag	540
gagctccgcg	ccaagggttc	tgtcgtgggt	gccggttaca	ttgccgtcga	gctggctggg	600
gtcatggctg	ccgtcggcgt	ggagacgcac	atgttcattc	ggggtgagac	gatgttgccg	660
aagttcgacc	ctatgattca	gaagacgatg	acggagcggg	acgaggcgac	cggcgtgcac	720
attcacaaga	agcatggcgg	gttcaaggag	gtgcagctgg	tgaaggacgg	caagggaag	780
gacaaggtgc	tcaagctgat	cggcaatgac	gggtcggagg	aggaattcaa	cgagctgctg	840
tgggctatcg	gccgtcagcc	tgaggctcag	gatctgcac	tcgagatccc	cggcgtgaag	900
ctcaacgaaa	gtggccacgt	cgttgctcgc	cagtaccaga	acacctcggc	ggagggtggt	960
tatgctctcg	gtgatgtcac	tggcgttgcg	gaactgaccc	caggtagctt	attctcgtct	1020
tcaccacggg	gctggaagga	tcgacggggg	gtcagngatc	tatgcgca		1068

<210> 7928

<211> 918

<212> DNA

<213> A.fumigatus

<400> 7928

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cgagggtgtt	tggtactggg	cgacaacgac	gtggccactt	tcgttgagct	tcacgcgggg	120
gatctcgaga	tcagatcctt	cgacctcagg	ctgacggccg	atagcccaca	gcagctcggt	180
gaattcctcc	tccgaccogt	cattgccgat	cagcttgagc	accttgctct	tgcccttgcc	240
gtccttcacc	agctgcacct	ccttgaaccc	gccatgcttc	ttgtgaatgt	gcacgcgggt	300
cgctcgttac	cgctccgtca	tcgtcttctg	aatcataggg	tcgaacttgc	gcaacatcgt	360
ctcaccgccg	atgaacatgt	gcgtctccac	gccgacggca	gccatgacac	cagccagctc	420
gacggcaatg	taaccggcac	ccacgacagc	aaccttgggc	gggagctcct	cgatctcaaa	480
gaacccgtcg	ctagtgtatc	catgctcggc	acccttgaca	ggaggaatac	tgggcccggc	540

accggtcgcg	atgagaatgt	gaggcgccga	gtaccgcgcc	tttgcgccgt	cattgagcgt	600
aacctcgatg	accttgggtt	cgacgaaccg	agcgcgaccg	tgacagaggt	cgatgccttc	660
cttgccccag	tttctctcgt	aggcacggtt	cagacgtttg	acgacggcgt	cgcggttttc	720
cttgaattga	cggtagtgtg	tcttgacgtc	cttggggatg	tcgtagccgt	agtgtctgcc	780
gacgtggaga	gcttcgttga	tggaagcgaa	attccaggtc	atcttgttgg	ggacacagct	840
gcaaaccctc	cggttagcaa	atcccacgct	tccccggggc	gtacgtggga	gcaagacaca	900
gaacataccc	gacgttga					918

<210> 7929

<211> 2226

<212> DNA

<213> A.fumigatus

<400> 7929

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cctggctact	gtccaacgcc	attagtctca	cttcttgaga	ttgccaccga	gctaggggtc	120
aaggcagttt	tcgtcaagga	cgaaagtgc	cgtttcggat	taccttcctt	taaggttttg	180
ggcgcatcat	ggggatgcta	tcgctctgtg	gtgtctcatc	tgggattatc	accgactgtg	240
gctcttgacg	atgtgaatca	gcgactcaag	gaaagccccg	tcactctttt	tgcagctacc	300
gaaggaaacc	acggacgagc	ggtcgccttt	atggcacggc	agttcggagt	aacggcgcca	360
atcttcgtcc	ccgcctcgat	ggacgaggag	acacgtaacc	ggattgcatc	cgaaggcgct	420
gaggtagcca	ttagcgacgg	cgactacaat	cttgacgtcc	aagaggcatg	gatcgcatca	480
cagaacgatg	gtggactact	cgtccaagac	accgcattcg	atggatatga	ggaggtcccc	540
gcatggattg	tggagggtcta	ctcaacaatg	atgacggaga	tcgatgaaca	gctaagccag	600
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gtagtccagg	attgcaagtc	tcggacgacc	ccaattgctg	tcgtggctgt	tgagccggac	720
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cggcggttgc	gagcatcagg	ccaggcccca	tcattactac	atagggacgc	tgtggtggta	1020
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cgtgggagcg	gcggtgggtca	atcgctgatg	ttcaacggcc	atattgacac	tgtcagcttg	1320
atttagctatg	aaagcgaccc	gttgtccggt	catttgggcg	agaaggaagg	caggcaagtg	1380
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gcagcgatta	aagccagtgg	tcgcaccctt	cggggagatg	ttatcgtggc	cgctgtgtcc	1500
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gaaccttcct	cgtatccgca	gcgttgacc	atcaccatcg	agttccggac	aattcctgcc	1860
caatccaacg	agtcgattct	tgaggatgta	aatgctttgt	taagtggcat	tgccaaagag	1920
aaacctcgct	ttcgatatgc	tccccctcgc	ctcacgatct	cgcgtccgac	acagaagctc	1980
tcagcggacc	accctctagt	ccaaacagct	gttgcatgtg	ccactgaggt	cctggtagac	2040
ggtcctgggg	tgattagtgt	acccttctgg	tgcgacgcag	ctctattgag	tgaagcgggg	2100
gtccctgcca	tagtctatgg	tccatcagga	gccggactac	acagcaagga	ggaatgggtg	2160
gaggttgaca	gtctccaaga	gatgagcaga	gtcttcgaaa	agctgattca	agaactctgt	2220
gcttga						2226

<210> 7930

<211> 357

<212> DNA

<213> A.fumigatus

<400> 7930

atccgcgacc	cccgtggtga	agacgaattc	gggaccaagg	gagacgcaa	cacattcadc	60
ggcacatctt	actacatggc	tcccgaacga	atcacccggc	aatcctacac	cattacatct	120
gacgtttggt	cccttgggtg	gacgctgctg	gaggttgccg	agcatcggtt	cccgttccct	180
gccgatggca	ccgagatgca	gccaagagcc	ggattgatag	atcttcttac	atacatcggt	240
cgccaaccca	tccccaagct	gaaagatgag	cccgaatacc	gtattcgctg	gtccgataac	300
ttcaagtact	ttattgaatg	ctggtatgta	tactctgcta	tggacgaatg	gggctag	357

<210> 7931

<211> 288

<212> DNA

<213> A.fumigatus

<400> 7931

ccatgcgatt	gtctcgagtg	ctaccggccc	cgagtactac	gtttctatca	tgatcattgt	60
cgacaaggat	ctgctggagc	ctgggtgccag	catccttctg	catcacaagt	ctgtatctgt	120
cgtcgggtgtg	ctgacgggaa	gagtcggatc	ctctgggtctc	agttcatgaa	gtccaccag	180
gcaccaaccg	agtcgtacgc	agatattggt	ggccccgagt	cgagattca	agaaatcgaa	240
gagtcgtgctg	aattggccct	tgctccaccc	cggaactgta	tgaagaga		288

<210> 7932

<211> 540

<212> DNA

<213> A.fumigatus

<400> 7932

caaagcctat	gtctgcagaa	ggagaagccc	aagtacgaac	caccaccacc	acctaccacc	60
aggattgggc	ggaagaagcg	caaggctgcc	ggccctagcg	ctgcctcaaa	actccccgac	120
atttttccta	cgtcacgatg	taaattacga	taccttcgaa	tgcaacgagt	ccatgaccac	180
ctgttgctcg	aagaggaata	tgtggagaac	atggagcgctc	tgcgtaaggc	caaagctcag	240
gcaacgctgg	actccgtgag	ccgaggtgac	ctggatatca	tggacaggaa	tgcggacgaa	300
aggagccgtg	tggatgacat	gagaggcagc	cccatgggag	ttggtaacct	ggaggagcta	360
attgacgatg	accatgcatg	tgtctcgagt	gctaccggcc	ccgagtacta	cgtttctatc	420
atgtcatttg	tcgacaagga	tctgctggag	cctgggtgcc	gcacccctct	gcacacaag	480
tctgtatctg	tcgtcgggtg	gctgacggga	agagtccgat	cctctggtct	cagttcatga	540

<210> 7933

<211> 207

<212> DNA

<213> A.fumigatus

<400> 7933

tttgaatgct	ggtcgccaag	accggggccag	atggcgacaa	cagcttacct	gagagctctc	60
cgtccatctc	tccagcggaa	gcttcactca	cttacgttca	cgccttcate	caccctctta	120
acatcaaccg	cccttttttaa	cgactcttct	ggtagcaagg	ttgctggtgt	caggggacta	180
attctgctac	cgttttctaa	ctcttaa				207

<210> 7934

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7934

tatatcttct	ctgctgagct	atcctgtgag	tggtcgaact	actcctcgctc	tgctcgtcgtg	60
------------	------------	------------	------------	-------------	-------------	----

tccccctcatg	aatcactcct	cgagcctcag	tcctcaaaaag	acagcgagggc	tcaatatgcc	120
ttcatctacc	agtaccaaac	aagcatgctt	actttttctc	tggtctttcc	cgteccacct	180
tctccccgct	cgatcatcacg	cttcgagttg	ataaagaaga	taactgatca	ctcttgctga	240

<210> 7935

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7935

aatcatctca	ttgatcattg	taacatgctt	tctgccccg	gggaaacata	tgccaaggcc	60
ggcttggaac	acagctacct	tgaggccctc	aagacccctc	acaacaaaga	caacaagcag	120
ggagtttgt	ctttccgtaa	tgacagagaat	gtactcagcc	acatactcct	ccttggtggg	180
tcttga						186

<210> 7936

<211> 558

<212> DNA

<213> A.fumigatus

<400> 7936

cggaagatgt	attgtggaaa	cggttcctt	atgcgcgttg	caccattgg	actggtgtat	60
tttcgggaca	tgagatagc	attgtccaac	gctgcgcttt	cctcaaagtc	cactcatcct	120
tacccaggt	gcgcgagtg	ctgccagatc	tacaccagac	tcattgtgcg	cgctctgaat	180
ggcgctagca	aggaagagct	tgacagaagag	ttcgctagga	taaatttcac	agatgttaag	240
gtgaagcagc	ggcttgatcg	ttattcaaat	ctcaccgatt	gggagaacac	ggatgaagaa	300
catatcaaag	catccggata	cgttctttcc	acgctcgaag	ctgctctgtg	ggctttcttt	360
accacaagca	cattcaaaaag	cggagctgtc	aaggctcgta	acctgggtga	tgatgccgat	420
actgtggggg	cgggtatacgg	agggctggca	cgatcatatt	atggacttga	aaagatacca	480
gctgattgga	ttgcgagcct	acagaagaaa	aacattgttg	aagaaattgc	atctggtctc	540
tgttctctta	cggagtga					558

<210> 7937

<211> 480

<212> DNA

<213> A.fumigatus

<400> 7937

ctaactgcgc	tagatgccgt	ccccagaag	cgcggcccca	aaacagacgt	cctcgaggcc	60
ctgctcaagc	gtgtcgacgg	tctcgagaaa	cgtctcgagg	atgagaataa	aaatcccatg	120
tcgcccacct	caccgctcga	gccgcacaag	gaacctccgg	atccgtccgc	ctcaatgcat	180
gccctcgcac	gcccatccac	ctccagcaca	tcactacca	gcgtccccc	atccgaacct	240
tttccccggc	cattctcctt	tccgtcgcaa	cgcgcgcctc	ccgtgcatta	ctttgccctg	300
ccggattccg	tggtggatgc	gtactttgct	cgcattccatg	gcaagcccta	cttcacccctg	360
gacgagtcgg	tgactcggca	gagtcacag	atggggcaat	tgctgtctgc	tttgtccatg	420
gccatctacg	ccattacctt	gcggtttgtt	ccccccctc	cttgccctctc	tttcatctag	480

<210> 7938

<211> 240

<212> DNA

<213> A.fumigatus

<400> 7938

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atggccctgg	attatgccct	gcaggcccga	cgcattgtag	atgtcgatca	accgaccatg	120
gatgggctac	aggtctact	tctgctctcg	cagacattcc	tcgcccattg	tctgggcaaa	180

aaggcctata tgacttttcag tatgcaatcc atcgcccttct ggaaagacaa gacaggatag 240

<210> 7939

<211> 534

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (496)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7939

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atcatggacc	gcttccctgac	ctgcggctcg	aaacgtcccg	gcctcatcgc	cgaccactcc	180
atcgtcctgc	ggctccccgc	gtgggtccccg	catacggccg	gactcaacgt	cgagggcgag	240
ctgttcaaca	atgtcggccc	caacatccag	tactcgagcg	acccgcgcgc	ttaaaccgcgc	300
gccaccgccc	tcctcatcga	catcaccgcg	atcctgggca	tcaccaaccg	ctacctggcc	360
gccggcgggc	tcaaggggtga	ctcgcacttc	ccctggcact	cgctgtccaa	cctgtccaag	420
atccgtcagg	agctggacat	ctggggtacc	ggtaaccacg	atgtgtttgc	gtcggtgga	480
gcgctgttcg	ggcatnccga	gagctccatc	ctgctgctaa	gcaagctcat	ctaa	534

<210> 7940

<211> 513

<212> DNA

<213> A.fumigatus

<400> 7940

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aacgccattg	ccgagctcgt	cgagctggcc	cgcaactccc	cgctgatcga	atggcctgcc	180
tttgtcgggt	actgcgtctg	cacggcggga	accgtccacg	tgcacggcgt	gcactacaag	240
ggccgtgagg	gcgaggtggt	ttcgtccagc	gccgagtttc	ttactcggga	gatgcaccag	300
ctgacctggc	tggggtccta	ctgggcccgc	gtccagcacc	agcgcgagat	gctgcagacc	360
atctacacct	gtcatgcgga	gctggtgcgc	acgctggcca	ccagtcccat	gcgcttttcg	420
cccgtctttc	acctggagga	ctttttggat	cggtatcccc	gtctgacggc	cgacgggtcg	480
cacgtgcgcc	tggtggatat	ggatgatagc	taa			513

<210> 7941

<211> 495

<212> DNA

<213> A.fumigatus

<400> 7941

ctcggtagcc	cccaattgga	cccatactac	cgatccatgc	ccgcatattc	catgtaccat	60
aaccaaccac	tccgcgcgcc	cgtcaccctc	ccatccaacc	acaaccgcgc	accacgcgcg	120
gactcgcaca	gcaccgccag	cactgcgacc	aagccgccag	gcgtctcgtc	gccatcgctc	180
acctttctct	cttcgcagca	tccccagcct	tcgcgcgaac	aactccaactc	tacctttccg	240
ctcggcaacg	ccgacctgac	ccacccttct	tcctcggatg	ccagcaatca	ccacaaccac	300
aaccacaacc	acagcttctc	cccaccaccg	ccatcggcca	tgttcggctt	ctcgcgcgcc	360
gccttctctga	ccgaatccct	gcccgtggcg	cccactcgcg	cctcccaccc	tcagtaagcc	420
accttccctt	tcgacagcag	cagcagcaac	aacaacaaca	acaataacag	caaccatcaa	480
acccacaccg	gccaa					495

<210> 7942

<211> 210
 <212> DNA
 <213> A.fumigatus

<400> 7942
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 ggtgacaaca ggtctgggct ctttggctcg aaagtaggat cgaggggtgg cgcatctcc 120
 tcctttcttca gggcaatcct gcacgctatc tgggacgacc agacaaaccc cagcgcgggc 180
 gtcttgtgcg tcgactgtcc agagaagtag 210

<210> 7943
 <211> 1371
 <212> DNA
 <213> A.fumigatus

<400> 7943
 cttactggac gacgtacgtc ttgtttgcta gttctgactg tgcgaggatg tagtggggagc 60
 ggcaagacgc aattcctcct cagtctcctt ctacggtgac aacttccaga acctcgaggt 120
 cttgggaaag gcgcaatata catctcaacg gaggctccgt tggcgacatc gcggtcttca 180
 cagctcttgg agtatcatcc atacctttcg gacctccga aagaccgcgc cccgacactg 240
 gataacatcc tctccatcaa cgcgatggac ctggaatccc aagaccatat cctcaactac 300
 cagttgcccg ttgcgattac ccgctacgat gtcggcctcg tggtcacga ctcgataacc 360
 tccaactaca gagcagaaca tacatctcac aacgttttgg gcctgtccac acgatccggg 420
 gaactagcaa ggctgggcca gatgtgctgc aacttagccg tcgcaaagaa tatcgcgatt 480
 gttgttgcaa atcaagtttc cgaccgcttc gatcctctcg aggataacgc agcattacgg 540
 cgcgccgccc catacggaaa tactattggc tcatcctcgc ccgtatcgac acaacaacaa 600
 ccgacgacac ctttacaccg cgattcagcc atcgcttcac ctcttcccgc tgcccgatcc 660
 aggctccag agtctggcaa tgccgaacta tcccccata tcacgatcgc accaccgtcc 720
 tcatccccag ccttcccctc ctgcgcgttc ctgcgagacg acaaccgctc cgagcagcag 780
 ccgcaagact ttgacgggtc gtacctgacg ggcaaccctg tgcgcaatga gctactgagc 840
 ctaatgcacc agcaacgatt cttaactggg tggggtgata cgccgcaggc tgccgcgccg 900
 ccttcaccat actacttctc tggacagtgc acgcacaaga cgccgcgctc ggggtttgtc 960
 tggtcgtccc agatagcgtg caggattgcc ctgaagaagg aggagatcgc gaccaccctc 1020
 gatcctactt tcgagccaaa gagcccagac ctgttgtcac cagattcaga gccgcacgaa 1080
 gcaactagac cgacaccaga cagtaaggag caacaaagcg atcaccgctc cttggaaaca 1140
 agcttagatg tcccaccggt acggcaacgg atcacgccc aaccggcacc accggacata 1200
 atccccctc gcacgtccg aagaactatg aaactgggtc ttgcgccttg gaccgcccgg 1260
 aggggtgacga ctactgtcgg caaggacggg aactctaccg ttcacgtcca agatgaggtt 1320
 gaatatacca tctggaaggg aggtttgagg agtgtggaag cgcaagagta g 1371

<210> 7944
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 7944
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 acggatcacg cccaaccgg caccaccgga cataatcccc cctcgacgc tccgaagaac 120
 tatgaaactg gtctttgcgc cttggaccgc cgggaggggtg acgactactg tcggcaagga 180
 cgggaactct accgttcacg tccaagatga 210

<210> 7945
 <211> 600
 <212> DNA
 <213> A.fumigatus

<400> 7945

tgtgccaag	tggaagcaat	aggcttcatt	tcccgtctta	tatccgcca	acacgtctcc	60
gaacgcaccc	cctacgtact	gcaattctct	ctgattatcc	tcgcacccgt	cctgatggca	120
gcttgctgct	atatactgtt	tgccgcacac	ctctttcacg	tcgtcccacc	tgaagcacga	180
acctttcaac	tgtgctgggt	tctctctcgc	tttatcactc	cgatcttcgt	gggctttgac	240
attgtggccc	tctgctgca	gctcggcggg	gcagtcttga	tcacatcagc	cgatgggtact	300
agcagtgatg	cgaaggacaa	gttcgaccgt	ggtcgcaata	ttgcattgat	tggcgtcata	360
gtccagatgg	tcgccttttg	gctattctcc	cttgctgcgt	ttcggttcaa	cttcacatcg	420
aaacggtttg	cgaagcctgt	cgacgagcaa	ttcgaaatgc	ttgcgagcaa	tgatgcagga	480
actggtggcc	gggaaaaaag	tgccaactgg	aatgcgctgc	tgagagtggg	gaacttttct	540
actctgatga	ttcttgtaag	tgtttccaaa	agatcgctctc	ccgtgttaaa	tcacgcgtga	600

<210> 7946

<211> 456

<212> DNA

<213> A.fumigatus

<400> 7946

acctccgtca	attactggct	taagtatccc	tcataccatc	cattcgggtg	ccgccccgaa	60
gacacaccca	tgattaacac	tgccggacct	gccctaagtc	ggaatgacac	tctaccgaac	120
agtctggaga	aaaacaaccc	ttcttttcac	cttgatttgc	ccgctggaca	gaagagcgcc	180
gcgctgtgtc	gcacaataac	atccgcaatg	atcttgaatt	accccccgcc	tactttgggtc	240
cagtacggca	gaaagctccc	aagcggatcc	tctgaatatg	attatgtggg	ggaccgtgtg	300
acggccatat	acaactttct	gcaatacacc	ccgcacgtgc	gagacggcga	ttttgtcctc	360
atcgccgatg	gctatgatgt	tttcttccag	ttaccgccgg	aggtgctcat	ccagcggttc	420
caaaatatcc	tccgagagaa	caatgccaa	ttgtct			456

<210> 7947

<211> 459

<212> DNA

<213> A.fumigatus

<400> 7947

cccattgggg	agggttcaag	tttttcccgg	gttgttccat	ttgcaaccgg	gccattgttt	60
tgccggggata	ggaaattcaa	atcccctctg	gagttaatgg	ttaaactcgag	gaggtcattg	120
aggtttccca	tttcttcaac	ttcggtttcg	tatatccctg	tatggactgg	gggaattgtg	180
ggcacagctg	cgggcattaa	ccccaaaata	ctggacaatt	tgcaatccga	taccgttttg	240
tcgatcgctt	cgtgggagca	cggcggttac	gaccagcaat	tcgagtggga	tactagccca	300
gactcgaaac	aggatgaagc	agaagtcgtg	gatttaggtg	ttatacatgg	ttcactggcc	360
gacgatcagc	ccagcgcctc	tgtctttgga	cataattccg	accccagggt	agcacaaaat	420
ctcctattcc	gtcgcgatgg	ttgcaataga	agtagctga			459

<210> 7948

<211> 1251

<212> DNA

<213> A.fumigatus

<400> 7948

ctgatggatc	tttcaacttg	ttgcagcaac	ccagggtctca	tctcgcccga	gaagttaagc	60
gccgtggatg	ccgcaatcga	gggcaccatc	agcgggaccg	tgagccccag	aaccttgccc	120
tctctgaccg	atgataactt	tcacgttgat	gaaacatggc	cgcacttcca	gctcatcaac	180
cccatggcgg	ctggactgcc	ctgtggacgc	cctatggcct	taccttacgc	gaaagaccgg	240
acctctaaca	acacagtgat	cgtcgacgat	ggagggggagc	tctccaacgg	acaggggttt	300
coggaggtcc	agccggagca	gtacctgaca	ttccagaatc	tttctcaagc	gtttcagttc	360
gccggtgatc	cttggggcga	gcctcctgtc	aatcttgatg	cgaatacgtc	ggcgcaagca	420
cccatctccg	ttcctcagat	gagaccacag	gtacaaatcc	agattatcaa	tcagcctcgc	480

```

agcttccagg gctctttgcg cccgctcgaa tcgcgctggc ttgaaagcct tgaatcccaa 540
ctgcctacga acctaacttt gcctgcctca ttaacaacag attgtcaaga ccactcctta 600
cctaaagatg acagaagact tcaggatgca tttcagtaca agtcagagag ctcttctgtt 660
tctggtgata tttcaggagt ttacgactgc tcctactcgg gcttaagtga tgatgtgccg 720
gcgtttgcag aacgacaact ggaagacgat ggtgcttgga aggatgcgca gaagaaggag 780
tcttcgtctg caacctcacg gccgctgcag ggtgccactg cttcgtagt cagcgaaaac 840
ccccaaagat ctttctttat gactgtcctt agcagatcga gggcttcgtc gaccgctgcg 900
caacgagcct ctggccggcc tcaggcactt gctttgcaat cgggtggctac cgtcagaaag 960
cgcaagcagc gtacctcgaa cgttagcatt gaccagagtt tgccgaaacc actgcagatt 1020
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ggagcccgcc gcaaggggtcc tttgagcatg gttggcaggg ccaatgctgg attgcgaggg 1140
aagaataagg atacttgtgt tcagtgcgcg ttgaacaaac ggaagggttg tttacctgcg 1200
tcgggcttgt tttggtctca atatcacaga aagctgatga ttgcagtgtg a 1251

```

<210> 7949

<211> 216

<212> DNA

<213> A.fumigatus

<400> 7949

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ccccatgagt gtgtttcttg caatccaata atatacctca aacgatgcgc attcgcacac 60
agccagggga acgcgtgtac aaatacgggg gtgcatcccg caacagaatt catggaagtg 120
tacgacagcc aggattttga gaagacaaca actgcttacg gactccaaac acgactaatt 180
atcatctgcc atgtcatcac ctgggtcaatg atataa 216

```

<210> 7950

<211> 186

<212> DNA

<213> A.fumigatus

<400> 7950

```

acatatgcct tggcaaactg tcaccccttt tgcatttctt taggaatctg caaaacatcg 60
gaatctgcac aaggatccaa cgttgttgcg cagaacaacc tgcccacgga gtacaaatca 120
gatgcaaatt acgctagtta caaaaatgga ggtcttttct gtcaaattatt taactacca 180
cattga 186

```

<210> 7951

<211> 351

<212> DNA

<213> A.fumigatus

<400> 7951

```

tctctccaat ttctcttgaa gtcggttatt atggcttcag aacagccagt cgaagccgcc 60
ccaacgggcg gttctctcgc cgatcgcatc acgaaacccg atgaatcaaa cacttccggg 120
acgcgcgcat atcatctccc ttcggcggat cagaccgaac atacgactaa tctgttgaaa 180
gcagaaacac ctgcgcccac cggcgatcag acagatggcg ctcccgcgca acttggtggc 240
tccgacctcc acgagccgga gtacaacgtt gaggtcaagc tcagcgatct acaagccgac 300
cctaacaacc cactctactc tgtcaagaac tttgaggacc ttggactgta a 351

```

<210> 7952

<211> 525

<212> DNA

<213> A.fumigatus

<400> 7952

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ctaacctctt tgcgacccaa cagggaccct cgaattctga aagggtgtgc gagcatgaac 60

```


ttccgcaagc	cttcaaagat	ccaagaacgc	gccttgcttc	tactgttgaa	caaccctccc	120
aagaacttgg	tgggccaatc	ccagtcgggt	accggaaaga	ccgccgcttt	cgttctgaac	180
gctttgagtc	gtgtcgactt	gtcgacggag	caaatgcaga	agactcctca	ggcattgatt	240
ttggccccta	cgcgagagct	tgcccgtcag	attcttggcg	tcgtccaagt	catgggtcag	300
ttcgttgacg	gactcatcat	tgggcgagcc	gtcccgaccg	atagagacag	ccgtcctaaa	360
agactggagt	gctccattgt	cgttggcact	cctggaaccg	taggggacat	gattaaaagg	420
cgtaccttta	ttcccaacaa	gctcaaggtg	ctcgtgcttg	acgaggccga	caacatgctc	480
gaccagcaag	gtctcggcga	tcagtgcac	cgtgttaaag	cgtaa		525

<210> 7953

<211> 384

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (326), (341)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7953

gtgtcgaatg	ggatacaatg	gctcgatgag	atccaacaat	tttatcgcg	gctggagcgcg	60
atcgagaagg	aatacgccgc	caaactcact	accctctgtc	ggaaatactc	cgatcgcaag	120
gcgaagaaaa	tcagcagcct	gagtgttgga	gacaatcctg	caatgacccc	gggtccctt	180
gaaagtgcct	ctcttaccac	ctggacgacg	cagttgaccg	ctgtcgaatc	gcatgccgcg	240
gaacgggaca	agttcgcttc	ggagttggtc	gcgcaagtgg	cggagcctct	caagcaagca	300
gctggcgcag	acgaagaact	tagaanatgc	catgtggact	ntcatgagag	gctggagaag	360
gagagagact	catcttacag	tgag				384

<210> 7954

<211> 546

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (75)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7954

atcagtctac	tacctgtact	ttttctata	tttgacaccc	aacactcctt	ccacacgatg	60
tctagcga	acttntacaa	gacccaacag	gaccttcgca	aggccgaatc	ccatgcttct	120
catgccgcg	gtggaaatac	acctgccaat	tccaatgtct	ctgctatgaa	ggtaacacca	180
aacctcctga	tccaatttgg	ggacacagct	gctaactcta	cgaatcagtc	catcgttgat	240
gagcacacag	acaaggcgaa	ggccatcgaa	gaacgcaagg	ccaacctgcc	tttgctgac	300
cagcctcccg	tggccagcga	ctggcagctc	gcagaccaga	gagctgtcaa	cgctggctcc	360
ggcggcgtag	aaggatccgt	ttctggcgag	agtaacaccg	ctctaaggga	tcccgtact	420
gcaggaagca	gcgcacggat	gtcaggagag	gaattgcaca	aggaaactca	gcccacaggc	480
aacgttggtc	gccaaagccac	agaaggactt	tcggatatcc	cgggggatgc	taaagctcga	540
aaataa						546

<210> 7955

<211> 255

<212> DNA

<213> A.fumigatus

<400> 7955

```
ctcccccttgt gggggaagta tggggatcaa actctatctg gacctagaag agatggtaaa 60
acttcacaac gcttcgtgcg ttcatgcat caccctcagt ggtttatccg gccagacca 120
gttactaaga cgaacgggtgt ctctgacgga cgtatccaag caaaagttca ggatgcagca 180
ttcgggtctgg ctgcaagggtt ggcaggcctg tctacgaagg aaaacttcca cgagcagtac 240
ccgcacgaca agtaa 255
```

<210> 7956
 <211> 399
 <212> DNA
 <213> A.fumigatus

```
<400> 7956
cggctgtaca gaactgcatt ggctctcttg gccgaactac caaagacctg cgatacaatc 60
gccgatgctg tcaataaaaa tagccgcgaa ctcaaggcag cacgagacga gctatgcaat 120
gcacagtccg aactcactat cctcaaaggc cttctcgaaa tccttttcaa tctcctcgag 180
aagatgtggg ccacggtccg gacctatcag atgggcaaag acatgaagga agcagaggta 240
caaggagaag gagaaccttt gggagcgatc ctatcatgca gctggactta 300
caaagcacca agattgactg tgatgctttg cgtcgagaaa atacatttct acgaagctta 360
ctccatggta cgggaagcagc agcagaccag tgcgagtag 399
```

<210> 7957
 <211> 333
 <212> DNA
 <213> A.fumigatus

```
<400> 7957
tataaagggtg acgaaccctc gctggaaatg accttcaatt ttctttcggg cagcaacaac 60
acgggtttggg cctgtttccc tgagactctc accatggcca gcgtcctggg cctcgtcgcc 120
agtgcctggc tcctccccac ggcctatggc gcaagccatt cgcttgcgcc tagcacgtcc 180
gcaacctcag cacaggcgca atacacttta ccattcttcta ttgacgttgg cgctcacttg 240
atcgccaaca tcgacgatcc ccttgccgtc gacgcgcagt ctgtgtgtcc gggctacaca 300
gcctcagatg tgcaccagac atcccatggg ttt 333
```

<210> 7958
 <211> 246
 <212> DNA
 <213> A.fumigatus

```
<400> 7958
gttcaagcta atggattcag agcggtcacc tacagcggct cctggcagaa cagcggaaac 60
ggctacctct ccgtgtacgg ctggacgacc agtccgctgg tcgaattcta catcgtggag 120
agttacggct cctatgacct ctccacgggg acccaccat ctgggcaccg tccaatagcg 180
aagggggcac gtacaacctc tacaagacca cgcggaacaa agcgcggtcc atccagtgc 240
ccgcta 246
```

<210> 7959
 <211> 336
 <212> DNA
 <213> A.fumigatus

```
<400> 7959
tcttatccac tgactcgact gacgaatatc acgtccattc ataactctca cacacttctc 60
atttgcaata tggcaagctt ccgaggcatc tcgctccaca tgacgggtcta cattgacca 120
gcgaaactcc ctacgtttctg ggaagcattc aaaccagtat acgagcatgt catcgcagag 180
ccagaatgca ccttctttga agtgtatcaa gacctgaga accccgggac catcacgtgg 240
gtggaaaact ggtgcgtagt cgccaatatg atgaagaact taactgactg gagtccctgg 300
```

acaggtcaaa accgaagaaa tggctcgttg aggtag

336

<210> 7960

<211> 396

<212> DNA

<213> A.fumigatus

<400> 7960

agccatgact	atttaagcct	tggaatcgcc	acgaaggaca	tcattcttcag	catcgaagca	60
atcaagcaat	caagcaatca	aacaaccatc	aacatggctc	cattctcttc	tctcgtttctc	120
gctgcctcca	ccgttgctgg	cgtgctagct	acacccggct	cggagcaata	cggtgagcta	180
gccaaagcggc	agctcaccag	ctctcagact	ggcacgaata	acggctacta	ctactccttc	240
tggaccgacg	gcggcggcca	ggtgacctac	accaacggca	atggcggcca	gtatcagggtc	300
gactggaaca	actgcggcaa	ctttgttgct	gggaaaggct	ggaacccggg	caacgagaag	360
tatgcgtcct	ctccctgctt	gttaggttca	agctaa			396

<210> 7961

<211> 849

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (79)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7961

gaagaagcga	ttgaaaggga	gaaaccggag	gtggaggaga	gaagttttaca	gcgggaaacg	60
ggaggaggcg	cagagaacnt	gcggatggga	gcagtcaagg	aattcacctg	ttcacacgaa	120
gggcggcacg	gatgttccca	gaattcgagc	gtttttgtca	aattgcgctg	ggttcgggaa	180
ggccgaggtc	tggaactaga	ccaacatcgc	ttgatgtctt	tattcaagcc	tttcggtaaa	240
gtcgagaaca	cgttcatgct	caaggacaag	cgccaacgtg	tcggggacaa	gcgagagaag	300
aagactgtcg	cgacaggtgt	cgtggtattc	gcctccattg	tcagcgctca	tgccgccgtg	360
ctggacagcg	agaaaaagcg	acgccagagc	gctggccaac	cggacaacga	ttggtcactt	420
attgaatctg	tatcctgggc	gtttggcaac	cagccagaca	tagtgggcac	agaaacccgg	480
gctgcttctc	ccatctccac	cctgatgaa	gcttcgtcag	cacagaagcc	acctcctcat	540
ggttgccctc	ccaaaacggc	tttcgatttt	tccaagctca	aatcagcagc	gcctcctgga	600
ggttcaggca	agaccccg	gaaagcgccc	tcgtttgcct	cattcgcgtc	ggccgcaggg	660
tcttcaaagc	caacgccatc	cgatacatcg	gccaatggac	gaagcactcc	aagtttccag	720
gaaataacat	taatgcgatt	gaagaatgca	cagcgcgaaa	aggagcgaaa	ggcccttgag	780
gcgcagctta	tgaaagagga	tgaggcagca	gatgctgctg	aggctgctgc	cgctgaggct	840
aggtgctaa						849

<210> 7962

<211> 921

<212> DNA

<213> A.fumigatus

<400> 7962

acttcgatcg	aaagtggaag	gatcggaggc	cctgaaaaac	ggggaacgcc	cgttatggtc	60
ttccagggaa	agaccatggt	gagccccga	tgggcggaga	ataacttgga	atcggaattg	120
tcctcgccgt	tcgcaccgtg	gtcatccgtt	gctgaatgca	tcgataccag	ggctccgggt	180
ttcgggtctc	ggctcgtcac	acctggcgag	gaggacctgc	gtgttcatct	accggatgag	240
gctcaggttg	ctggctccca	ggtcgatttg	ggcacgtata	cggttcgtcg	gatgttgac	300
gggatagcgg	aggacagga	tgagataatc	cgcaatctg	cgcttccctc	cgaatgcaat	360
atggacatga	tgccgggtgt	tgacttccgc	aagggtgctg	acgtcgggtca	ggagcttacg	420

atccgtacgc	atcatacggg	ggttgtgcgg	aaacggattg	tgctgtgca	gttgtacgcg	480
aactccgccc	ctcaatccgg	tgataccct	gtatatgac	cctctgcagc	gggtggccttg	540
ccacctagcg	gatcgaatat	ctccaagggt	gatggtagaa	agggccgaag	cgcgggaaag	600
ttcctcggtg	gagtcggaaa	tatcggttta	gctctttgtc	gattggagat	aatgaccgat	660
atcgtgctca	cagggtgagg	ttcacactac	agccctgagc	aagaattcaa	gatttcatgg	720
tctgcgccag	aagaggggac	atcaagtgtc	acggagccag	gagaagtga	ggttaaagct	780
cttgtgccgc	cctggctgag	ggactatata	tcctctggag	cgaggaaacct	tgctcgcaag	840
gtggacaacc	aggaaggcca	ccggggcaaag	gagctcttat	atcagttaga	ggaggaggaa	900
gagcaacggc	ggaatgagtg	a				921

<210> 7963

<211> 2061

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (12), (28), (32), (1966), (2045)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7963

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aaccagttcg	ccatggatta	ctcctctccg	acccttaacg	atctaggcat	ccctcccgag	180
accgtgtcac	ccaagtgcgt	gatggcgcag	aatccgtttg	ctgagaccta	tgctactccc	240
ccctccatga	cgtcgggtgg	ccagcccttg	atggcaggac	attcccagag	tatgttttca	300
tcttctatgg	caacaaacgg	tgaatctcct	aatcctttca	acctgccttt	cacgaacagt	360
gacctacgat	ctcaccatgc	cccaacctca	accgatacct	ttacagactc	cacacgacag	420
gctttattag	ccagcatggc	tttgcccacc	ggtctccaga	atcatcgcaa	gtacagccag	480
ccagccagcg	gaatgacgcc	ctgtcgcgac	ctgttttcac	gttccggcac	cttcagtggg	540
accggccaac	ttcccagcac	tcaagacatg	caacgttata	tctcggctta	tatcacatat	600
ttccatcccc	atatgccgtt	ccttcatatc	ccgacactca	actttcaagc	ccccgaatac	660
acaaacaatc	ttcgtactcc	aagcggccat	ctgaacttga	gctctaccgg	tattgccggc	720
ggcggggggg	gectgactct	ttccatggca	gccatcggcg	ctctctacga	atttgacacc	780
gccgcctcga	aagatctttt	tgaagcagcg	aagaagatga	tccaactata	tcttgaggag	840
cgtcggaaaag	ctgacatgtc	tgctgcattt	tgcgcgtcca	atcccgcgcg	cgagaactcg	900
gttcacaaca	cgccgtttgt	gctgggtgcag	gcaatgctgc	tcaacgtaat	ctacggacat	960
tcctccggcg	ataagacgtc	agcggacatt	gcaagcacc	actgtgctgc	tctgggtcagc	1020
ctcgtctcgc	ctgctgggtt	gacccatcat	atcgatgcca	aagaccttcc	ccaggactac	1080
ttgaacaccc	atttgagtgg	taaagtgggt	tccatgggtg	cgagctccga	atcagaagat	1140
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gttgaggagc	gcaagcggac	agtctatgcg	attttcaccc	tctcctgttt	cctagtctct	1260
gcctataacc	atgcgcgggc	gcttaccaac	tcagagatcc	gccttgacct	accgtgtgag	1320
gaagacgttt	gggcagccga	gtcccctcaa	gcctggaaga	aattgggtgg	acatttgtcg	1380
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gagcaatccc	acgggcaatt	gtcctcacc	gatgcaacaa	acgggtgttc	ggcgtcggat	1500
cctaccgcca	ctgatctgaa	gcctagtacc	ttcgggtgcc	tcgtactcat	ttatgctctc	1560
cataactata	tttgggagac	gcccgaacgg	catatggggc	ggcagtggac	cgctcgcgag	1620
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agcaatccta	cgcatagtct	ggagcggccc	aaccggtttg	gagcaggccc	tctctcggcc	1740
gatagcatac	cactcctgga	tctggcctac	atcagactgt	ttgtaaacct	tggacgggagc	1800
aaggaggctt	tctggcagag	agactggatt	gccatgtctg	acgagttggc	ccgtgggtacc	1860
gaagtgttcc	cgtattccga	cgacatttct	tccgacgttc	tcgacccctc	gatcaccacg	1920
gtgccaagtg	agttagatca	ccgtcgcgat	tccgtggctg	acctgngtgt	cggcgatctc	1980
actatctcca	agactccgac	ccgggaacag	cccattgcaga	tcttgatggg	agtctaccgg	2040
ccgngncagt	ccaaacgcga	g				2061

<210> 7964
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 7964
 ctggattcca tcataatgac tcttcctaca gctaatatcc aaagaaatgc gggttgctct 60
 attgttctct acaataatac cgaatccacg acacagtatt gctgcaactc tattgtcaat 120
 aaccctaatt ggagctctgcc gttctgtgac caagggctta acaccattga ggttgattct 180
 gcttcaatga ttgctggaat agcagcgctc gctgattaca ccaggatcga cgactctacc 240
 aagacaacgt ctagcgcagc ttcgcccact tcgcgcgactt cgaatactcc ggataatatt 300
 aactcccacg gttcctcctc gcatgaagtt agcagttgga gttgggtgtgg gtgttcact 360
 tga 363

<210> 7965
 <211> 1032
 <212> DNA
 <213> A.fumigatus

<400> 7965
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 ccggcctcga cgcaggccgg cgaggtgacc gctcccagca cggccgcgcc ggcgaccacc 120
 gtgtctgcca cttcggacgt gacgcctctg tatgggacgg cgtattggca gggacacagc 180
 ggctacggaa gtacgcccgg gccgcggcaa ccgtggactg cgggcagcaa ccagtcatat 240
 ccgacgcggg actcgttctc gccatcgaca ttaaaccat tgagccgaaa tcaaccgaca 300
 tcgccccccg tgaccgaagg catggcgcaa cctacgaca tgcaccacct cctccgttc 360
 cagcaatcgc tttccgtccc ccgctcaggt ctctcgaccg gaaccgcacc gcatccagcc 420
 atgacgcacg ccatgttggc cagtcaccac ggactaccga accccggggc ctctccgcac 480
 ctccctcccat cgaatgaccc ctacggaccc aaatcgacg cggcaccctg ctacggggga 540
 gcacagcaga tccccagccc gcaccagacc agtttccccc cgtacggaca gccggggctc 600
 ggcacccatc cgccggggcg cgtttcgtcc actccgaccc tctcgccac agggccacca 660
 cctcacctga actattcacg ccagccgtgg ccgtcgtact cgtgcgggc gatgaacggg 720
 ccggtgatga cgaacataca cagtccaaac agccaaatgt cgttgctcgg tagcatgcaa 780
 ccaggcatcc tccccggttt caacagtggc cagtgggcca gcatgcagca aatgtacggc 840
 gggcaccgcg cgcaccctat ccaccagccg gggccgacca acgaccggcc gttcaagtgt 900
 gatcagtgcc cgcaaagctt caaccggaat cagcacctga aacgacataa gcgcatacat 960
 ttgtcgggtga agccgtttcc atgtacgcac tgcgataaaa gtttttccc caaggatgca 1020
 ttgaagggtt ga 1032

<210> 7966
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 7966
 ctctccaaac caaaggtcca ccccatcaac accaccgtct tcgactgggtg gcactttgac 60
 gccgtctctg cctcgaatcc gaatgcctcc ggtgtgatca cctctctcac caacacacct 120
 accgcattcc cgttcctccc aggcaagagc aagagcaaga gcaataccga ctccgtcctc 180
 gctggcctcc ctctggatct catctccaaa tgggaccggg accacctgcg cagcctaagc 240
 agatacatcc ctagcgacag ccgacgcagc ccgcggcggtt acccgaggga tctggcacgg 300
 gagcggcggtt tcctttgctg gatccgagcg cgtggagtat ctgggttacga ttga 354

<210> 7967
 <211> 357
 <212> DNA

<213> A.fumigatus

<400> 7967

atgagacaat	cgccaacatt	ggccatctcc	gcgatgttgc	cgacactacg	tgcagtgtgc	60
ctgcagctac	ttgtgcccgt	gtatctcatg	agggaggctc	gtcaattttc	ttctgcaact	120
ttgtatgtag	tgaagaccgg	caagcgctcat	atgcgggtta	ttgatatgag	tctacaggaa	180
agccacaaca	ttgacacgac	gtgtggaaat	cttattgaac	ccgccaagca	gatctccgac	240
gcctgccgtt	tgggcaaccg	ctatacttac	ggttacgtct	ccaggaccat	agttgacggg	300
tcccaaagct	acccgtactt	agtggctatc	ggtgacgatt	atgcatttga	gccctag	357

<210> 7968

<211> 360

<212> DNA

<213> A.fumigatus

<400> 7968

tttgaacaac	tcaggatgcc	tctcgatacc	tctacaactt	atcctcttac	gaagctgcgc	60
cttgatgggc	gccgctggaa	cgagctccga	ctccttcaag	cgcagatttc	taccaacccc	120
gcgagttctg	ggtcctcctt	tttgtcgatg	ggaaatacat	cgataatgtg	ctctgttcat	180
ggtccagcgg	aggggaaaag	gggtgacgcg	acaggagggtg	ctgcaggatc	cgcgggagct	240
gtgggtcgagg	tcgacgtcaa	catcgcggtt	ttcgcgggcg	ttgatcgag	gaggagagct	300
gggggcagcg	acaggatatc	ggccttatta	ctccgcttcg	tctctctcac	tacgttctaa	360

<210> 7969

<211> 840

<212> DNA

<213> A.fumigatus

<400> 7969

ctactagcta	atctgaggaa	tttgtgttta	gatagagacc	gggaattcaa	atcagacccg	60
gaacccccctc	tgtctacctc	cgatcatgaa	cgttccaaga	tcaggcaatt	gccgtcccct	120
tccaaccgcg	atacctccgt	tggtcattta	gctgatactg	agagtggcga	cgattccctc	180
aacgatggcg	aagcagcgta	caagcagttt	aaagaaagga	gagctctcaa	gcggaagcgc	240
agcagtgcta	atcttcgcaa	gtctaagaaa	accaaagtgg	cgaaccctga	ctcgtttgtc	300
ggcaaaaaggc	cgaaaaaaga	aaatgagcaa	tccactcgca	cgcgacccat	tctaaggaca	360
tatggggaag	agcttccctc	ggacgatgag	ctcatggaat	atacgcttcc	ggactacctg	420
cagaagcgtc	gaaccagttt	tgaccggcgg	atggaccacc	tgaagcagtc	cggattaaag	480
ctgccgccag	atttcgatga	cgtggaattt	tccgatgatg	agcggttaga	gtttctgaag	540
gagaagcctg	catttaggaa	tattgaacct	tgccgggaagt	acgaggatat	aacccttccc	600
tactcgctcg	ggttaattcc	ggcgccaatt	gcccaatggg	tgccggccctc	tcaggctcgaa	660
ggtgccgcct	ttctacatga	gctgttcggt	tatcaaaaag	ggggcattct	gggtgacgac	720
atgggtctgg	gaaagacggt	gcaagtgatt	acgtttctca	ctgctgcata	cgggaagact	780
ggcgatgaaa	gagacgcaa	aaggatgagg	aagatgaggc	gaagtggctc	ggacggttgg	840

<210> 7970

<211> 249

<212> DNA

<213> A.fumigatus

<400> 7970

aatagtgtgg	tgtctctaag	gttaaggata	gagggtggtag	tggtggtaac	ctatgttata	60
gtattaataa	tatactctta	cctagtaatt	atctgctata	atacctctaa	ctttatctta	120
agttccctaa	tctattactt	taatataata	acttccctaa	cttttactta	tatagcttat	180
ttatatttct	acttaatctt	tattacctct	tctctatata	aggagttagt	attatatatt	240
atctcttaa						249

<210> 7971
 <211> 192
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (121)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7971
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 atagctttta gtagattcta ttacccccta gctttcttta ttaaataatt agctttttat 120
 natctatcta agagttatta ctatagctct tttactttct ctataatatt actagactta 180
 gtaataaaat aa 192

<210> 7972
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 7972
 ttagtgagct gtgacgtgag gcaaataac ttttacctcc aagcaccact acttagacca 60
 ccttgccaac attcttacca aggtgggggt gctgatatga tcaataaaat acctaataca 120
 tacaccacca atgatactga tgcttatact gatggatttg atggaaacgc ccaaaacact 180
 gtattgttta ttatggatag atga 204

<210> 7973
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 7973
 gaagaaaacc tacacctact agcatgtgcg ccagtgttga gtcagattgt tagtgcaagg 60
 ggacgggtccg tcgtcttaac aatcagtcct accagcggaa ctgtctacct ccgtcgccgc 120
 actgagttga cgttgatca gggtgactgc gcggatggct ctacacgcac aagaaacaca 180
 tcccgatag 189

<210> 7974
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 7974
 cgccagcctt tcttttgga aaggaatctg aaagtgatct gtggagtcac gaccttgatc 60
 ttcacgggtc gcgccactta tggggctggt ccatcccagg tcaggtttac cactggcggt 120
 gaaccttcta gaggtctat tcggctagtc accatgaccg gcaaatactc actggcctgg 180
 atcgagttaa accgtgtgag cgaccacgag agttcatga 219

<210> 7975
 <211> 738
 <212> DNA
 <213> A.fumigatus

<400> 7975
 tcggcatcgc acggtgtatt gcaatggttt gtcccttgcc catacgacgg aataactctg 60

aacatgcagg	ctaatagctt	tcaggtcctt	gtctggacgg	gtctagcagg	aggagacggg	120
gaatactgtg	cgatttttgg	tgcaatcaac	tcgatcctgc	aaatgggcct	atttgctcca	180
ctcgcgattt	ttttcattcg	cgatcatcga	gatggagacg	acgggtctgac	catcgaatat	240
tcgttgggcg	caaagagtgt	tggtgtgttc	cttgggtatac	cgctggggagc	agccattgtc	300
actcgcttcg	gtttaagatt	cctcatcagc	gatgaatggg	acaacagaac	cttcgtgaag	360
ctgatcagcc	cgctatcttt	gatcgggtctt	ctgttcacga	tcctgggtact	ctttgcttcc	420
caaggcaggc	aagtcgtcca	tcaaattgta	tcagtcgttc	gagtcgccgc	tccgctcatc	480
gtttattttcg	ccgttatttt	cctcatcacc	ctccttgtga	cgcgtcgact	aggcttcggg	540
tacaaactgt	catgcacaca	aagtttcacg	gctgcgagca	acaactttga	gcttgcaatc	600
gcagtagcaa	ttgcaacatt	tggtgtcgac	agcgaccaag	cgctagccgc	cacagtcggg	660
cctcttgctg	aagttcccgt	gctcttggcg	ctggtgtatg	tcgtcagggtg	gtttgccagg	720
cgacagcaat	ggaaatga					738

<210> 7976

<211> 183

<212> DNA

<213> A.fumigatus

<400> 7976

tggctcacac	actccatagc	aatcggccta	ctagtcatga	tgtaccccat	tctgtgtaaa	60
gtgcgattcg	agactctcca	ccgctcattc	cgcgaaaaag	cactctggat	tcaagttgca	120
ttcagtcctg	ttgtgaactg	gattatagcg	cctctattca	tggtaggctg	gagacttcgc	180
tga						183

<210> 7977

<211> 189

<212> DNA

<213> A.fumigatus

<400> 7977

agatataggg	ctctattttag	cttctttata	aagagtacta	gtactgctgc	tgggctagat	60
aattccctaa	tctacccctt	cttaagtatt	ttatcaaggt	atztatgcag	agcctctagc	120
tctagctata	atatagtaaa	tagggggcta	tacagtaata	acttcctatt	aagtagctat	180
atztatag						189

<210> 7978

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7978

ctagtgggaag	tcatcaagtc	accccccaat	atatatatca	tccgtcggat	tatgctgggt	60
tccaaggatt	atactttccc	ctggcggagt	tcagtcaatt	gtagcatctc	tgttaagttt	120
cattgcgctg	ttgatgcagc	tgccgggaga	caagaccaac	ccagttgcaa	gaatatgttc	180
atcagcatga	ccgcattgat	actcactttg	accaccacga	gagtgtggca	ctga	234

<210> 7979

<211> 315

<212> DNA

<213> A.fumigatus

<400> 7979

tctattgatg	aatggactcc	acagtcacga	cttcaaccat	ctttgcagga	tttttctcct	60
tgttcgttca	atgtgtcttt	cagccgcatt	ctagaaaaag	tcctgatcag	tagtattacc	120
aaagggtggc	aagagataac	actatcagtc	gtcactcaga	ttccaactgg	ctcagaccag	180
agtccatcac	tctctagcaa	ggcccagatt	ttcaagagtg	cagtcaaggc	tgctaaacac	240

ctagtgccat caggaatcag agaagcctgc cagaggttca aacaacttac ccaattcttt 300
ccaagtatga gttaa 315

<210> 7980

<211> 813

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7980

anatcaggtc	ggaggacggt	ctgcctaccc	gtgtcgtacc	aaagttcgaa	atataccttat	60
atggcggcta	cgccttttct	tggccagatt	ctgaaaggcc	ggagagggct	ttaccctctc	120
acgaaacaat	tgcaggattg	tgtctggcct	gctatgttat	cccttttttg	catcctgtca	180
ttaagcattc	taacaattca	tagctacgaa	catcaggaga	cagtcattgc	gaagagtgtc	240
cggcacttca	gattacagaa	cgaacgggat	attttacttc	gattccaaga	ccgaacgccc	300
tgtattcgac	ctctaattga	agagcttggt	gactccactg	ttcctcctac	actcatatta	360
aaacaccttg	ataatgatgc	tcttcgcgct	tcaaataagc	agcggctcac	tcgcctagag	420
ttgaagtatg	ttgcgaaaag	ggtgctagaa	gcactttcag	tgttgcatga	tgagggattt	480
gtacatactc	gtatgctccg	cctatctagg	ttttctactt	tgcgagtgtt	attaatggga	540
agggtaatag	atatcaaacc	aagcaatgtg	ttagtgaact	atgggtcatgg	tgatgtccgt	600
tttacagatg	tccaattagc	agatcttgga	agcacagttc	acagggactc	tccttatgca	660
caacatggcg	acccatttgg	cacgcctatc	tttagaagtc	ctgaagctca	tctccaaatg	720
aggtggggta	ctgcaacaga	tatttggtct	tttggtgcaa	tggcaagtcc	aaacctcacg	780
ccagaaatgt	cagatctaaa	tcatgatata	taa			813

<210> 7981

<211> 357

<212> DNA

<213> A.fumigatus

<400> 7981

tatctaatta	ccgcacagct	tatcagtcct	ctctatggag	atggattcca	catattcaag	60
ccggatgttc	ctccagatca	cgatgattac	gatgtcatga	ttctcatgaa	gcatcataga	120
tgttttgggc	catttccaga	atcatatgaa	cagattgccg	actcgcagcg	acttgcaatt	180
ctagtctgga	tcatgcaaaa	cagccctcct	gagaaactgc	gaccatttca	tctcaccagt	240
accaggaga	tctgtcagga	agataaggaa	tttatattaa	gaacaatgaa	gcttgatcct	300
cgggatagac	cttcagcacg	gcagctcttg	gaagatgaat	ggtttcgtca	ctcttaa	357

<210> 7982

<211> 561

<212> DNA

<213> A.fumigatus

<400> 7982

caaggcattg	aatcagtttt	caacatccat	gtaagctctt	gcgactccag	gaagaaaacc	60
ctggcgctga	cgggtgccat	cagtgtcaat	cctctctact	acgttacatt	tacaaccgcc	120
acgctatgcg	cctcctttat	tctcttcaag	ggattcaata	caagtgatgc	cgtcaacacc	180
atctcattgc	tctgcggatt	cctcacaatc	ttctccggcg	tgtacctttt	gaacctttcc	240
cggcatgatc	ccgatggacg	gcacctgctt	agttcgaagt	tggatgatga	aggggtgcct	300
acggatggca	ttgccagctt	ccagaccggg	cggtcgatgc	aatcgcgccg	gagcaatgag	360
ccacaccgtc	gttcatctag	ctttgctttc	atgaatgggc	atggggaccg	cgaaggcctc	420
atgcattcct	acgatgttga	gaatcaggct	ttcgggtctgt	cagagttgac	agaggagagc	480

gacggagaac cggggccgac ctataaacga agcgatgata ttgatcgac cacacaacat 540
 cccaataagc atgacgagtg a 561

<210> 7983

<211> 438

<212> DNA

<213> *A.fumigatus*

<400> 7983

catactggca	tacctgtgaa	actcagctgt	acaccttggg	ttgtgatttc	aagcgtttct	60
cgtcttgacg	tacaccagtc	tgggtcggtg	cctccacaga	gaattctatc	cggcgacatg	120
cctggcttgc	tgcgcaagtt	tgctattatc	gcggtctgtg	acggcctcat	tcttcagccg	180
catgggaatg	gaggacgtaa	cagtggcaat	tacgagccac	agtctgtccg	gattgactac	240
aaaaccaaca	agatctcgcc	cctgccggcg	ccggcatcgg	atcccgtctg	gaggaaagag	300
gccggactgg	aggcttatgg	tctagtcggt	aagtttagcat	cttcagctac	tgttagtgat	360
attgtcttca	gtctatgcaa	ttctgaatat	accaaattct	tcccccttgg	caaaagtctc	420
gtattcacac	cagcctga					438

<210> 7984

<211> 324

<212> DNA

<213> *A.fumigatus*

<400> 7984

agatggttga	ctcgcgtcac	tttgtcaggg	ttccttatct	attgccttgc	ggttgcgatt	60
ttctcgacgg	tcatgatcta	ccgagtggcg	ccagtttatg	gaaagaagaa	ccccttgatc	120
tttatctcta	tctgctcaac	agtgggtccc	gtctccgtca	tgctccgtcaa	ggccttcgga	180
atcgctctga	agctcacatt	caacggaaac	aaccaattca	cacatgcgtc	aacatacgtc	240
ttcatgatcg	tcacagggtt	ctgcacccct	acacagatga	actactttaa	caaggcattg	300
aatcagtttt	caacatccat	gtaa				324

<210> 7985

<211> 978

<212> DNA

<213> *A.fumigatus*

<400> 7985

cgcacgcggt	accttctagc	cccgggtcgt	gatgacagtg	ctaaccgcgg	cgtgtttaag	60
tatcaacttc	gttactgccc	agctctcgca	aacaaaccct	caggcgctcc	taaatccgac	120
aaggaccggc	caggctctaa	gcccgatcct	ttcgagaatc	cctcgacaga	ccttttgatc	180
gctcagattc	ctcaggaaaa	cccaaaatat	acgcttgtct	tgaacaaatt	tcccgtcata	240
actaatcact	tcattcctcg	gaccaagacc	tggaagtctc	aaaccgatat	tctcgagaag	300
gaggacctgg	acgctgctta	tgccctgcac	aaagcttgga	gggataacca	gactgaacag	360
ggagattcgg	ggtaaacaag	actatttgct	ttcttcaatt	ccggggacga	gagtggcgcg	420
agtcagcccc	ataggcattt	gcagttcttg	ccagtgggaag	acatgtctca	gggtgactcg	480
ggaaactggc	agcctctcat	tgacacgatt	tcatcccagt	gggtatgccc	cgactcggag	540
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acggcagata	ccctgcatgc	gatctattta	tctttgtaca	gagtagcgct	ctggactgcg	660
aagggaagcc	tgaggacca	ttcacgagtg	acagatggcc	ctgcccgaat	cagctacaac	720
ttagctatga	ccgagtcgat	gatgatgatt	tgccctagaa	gatgtgaagc	tgctcgtata	780
cctgtcgacc	caagtgcctt	gccaaaatgtc	caggaaacctg	gcgtcgtggc	cctgaacggc	840
acgatcctag	ccggaacgct	tatggcctaaa	gctgaggccg	agtggaaatga	gcttcggcgc	900
aatccggata	cgttggcggg	catactcgcg	tctgtcggct	atccccagcc	agactcttgt	960
ggactcgctt	tgttatga					978

<210> 7986

<211> 234

<212> DNA

<213> A.fumigatus

<400> 7986

aaccgtaccg	gatcaaccca	tgggtatgat	caacgatcaa	ctatagcatg	gttttcacca	60
acaactttct	atactgtgaa	agagtgggaa	gattattact	atatgcatat	caagaacagc	120
atgtcgcggt	ggtgtgaaat	aatcacttat	tactatactc	ttatctggct	agggtactgt	180
cctttttatc	ttggtaataa	aagtctctcc	ctatctaatt	atataagatc	ctag	234

<210> 7987

<211> 198

<212> DNA

<213> A.fumigatus

<400> 7987

acaaagacaa	ccaccaccac	cagtagaagt	cgatggccta	aaagaatgga	ttgtcaagga	60
tatcttagaa	ttcccgttgg	gaacactggg	gccgatgggg	ccccccgtct	gaagtatacc	120
gtcaaattggc	tgggctatga	taaccccact	gaggatcccc	ctcattacct	aagggaacgc	180
acaagagatt	atagctaa					198

<210> 7988

<211> 309

<212> DNA

<213> A.fumigatus

<400> 7988

ctagtttggg	tagacgcccc	aaatattagg	accctgcgcc	cccagaagaa	gcttaactgg	60
aaacacctag	ggccgttcta	tatcaagaag	attattagcc	cacacgccta	tgagctagat	120
ctaccagctt	ctatgaagat	tcaccctgtg	tttaattgta	gcttgctgca	ccctgttgct	180
aaagaccctg	ttcctagaca	aagacaacca	ccaccaccag	tagaagtcga	tggcctaaaa	240
gaatggattg	tcaaggatat	cttagaattc	ccgctgggaa	cactggggcc	gatggggccc	300
cccgtctga						309

<210> 7989

<211> 501

<212> DNA

<213> A.fumigatus

<400> 7989

cgaatttact	ggggccacaa	atctcttaac	gctggacgca	acaaaatgta	ttactattac	60
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agtgtacttc	caatactcct	gcgcgaaatg	tgctctgaaa	cctatagcac	atccagtcac	180
gtgactcatg	tcaatcgcca	tcaatcgagg	agttctctac	gagtgcagat	catctggagc	240
atgcgtttcc	tgcggctatt	tgtggtttgt	gcggtgtctc	actctcacat	gcgaagatta	300
cgagctgccg	ctgctttttt	ctccaagtgc	gacagcacca	ttattcaaat	caactatagc	360
taccaaatta	tccatactat	gttcacaacc	aagaactggg	tgggtggtaa	gtgtttcggt	420
ggccgtcagg	gtcttctcac	cctttcatgg	ttgcgttggc	ttagagagtg	gtacatatgg	480
aatcgatcca	tttacgcgta	a				501

<210> 7990

<211> 327

<212> DNA

<213> A.fumigatus

<400> 7990

tcaaaaatgg	caggatcgaa	aactgagtc	gctgtgcgt	tccctgaaaa	ggacagccag	60
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gaaactgctt	cagctcaagc	caggggttgcg	agagctactc	acgccggtga	ggagtggacg	180
ccagtcgaga	acttcgagac	cgccatggac	caggacggca	acccagtacc	tgatcccgcg	240
tataccgact	atgaaaagat	gaggcagcac	aaggggtggcg	aggacgaggc	tgatgactat	300
gttgctgcta	atgcgaactt	cgactaa				327

<210> 7991

<211> 2376

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2168), (2182)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7991

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tcaaaaagact	ggctgtggaa	aggtcgagct	gatgcaatcc	gaggagctac	aaaactaaag	180
aagcagcgaa	agagaagacc	atcgcgccct	gcggaagggtg	ataaaaagtaa	ccttggccct	240
gacatccgtc	cattttggtt	gctgtccctc	cgcgtcgctg	gggactccac	ggtcacgtat	300
agtatggata	tggtggcctc	gactacaaag	ggattcaaca	atttactcga	actggatctt	360
cgtgattcta	gactgtcctc	cagtgtcaat	catgcattgc	tgtggcaatg	tcctaggcag	420
cttgtcacct	gcgatctctc	taacccccct	tcgtggaaca	atcttcgtac	atggacgttt	480
gacgttgaga	gtcataacat	ggagctgttt	ttggtgcgcg	atcacatatt	ccttctcact	540
gatctcgtga	gtgactgggc	gtctgggccc	ccacaggaat	acttcacttt	cgtgccgttt	600
acctacactc	tcaacttatc	cttcgtcgat	ttcaagctct	ttgttaacgt	caatgacctc	660
aacatcatta	gcaatccctc	cgatctagat	gacaaccgga	tgctgggtgat	caagggcaag	720
aagctggcat	ctgatgtatt	gattcccttt	acaacataca	agccggagca	aaatgccgtc	780
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aatgggtgtt	cacctaagct	ctatctatat	ggattcttga	tcaaaaagttt	catgacgata	1020
agggaaaatt	attttggaga	cgagatgcac	ttcaaaaacgc	tcgaagaatt	ccaggaattg	1080
gcatattccg	aggagcgagt	taattttccac	aatggaatca	atccgaatcg	gaagtcgaat	1140
gatctcgatg	ttatcggtta	tgttaccgtt	gatgatgctt	gtgcccttct	gccggagaat	1200
atgtatgata	gcttgaatg	tgtaaaggctc	acaactccct	ccttggagggt	tgacttgccg	1260
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ttcatccacg	ggcatcgact	atttggcctg	cctccttccg	agccgacgta	tgtttgtaac	1440
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gtatctcccc	ttgcgctttt	ccagacaacg	atcaaaactga	ggatggcaca	acggaggggcg	1860
gatatcgacg	agaataggaa	attgcaacaa	gaacacatcg	gcgtgcacga	ccagaggact	1920
caaagaacac	catggctcat	gtttgattgg	gaagatattg	accccagttc	gtttcgact	1980
ccaaatgatc	aacttgctcc	cccaacaatt	ccatgcctga	gcctattatt		2040
aagcagcttc	atacggttatc	ctcagcggac	agcctctccg	atttcaagag	ccagcaaagc	2100
tcaaagagct	tcgtcttgac	ttcagataat	tcgagcttta	aaagtgggag	aagacgaacg	2160
acgcgcanga	tgtctttgcc	anatcagccc	caaattgaca	agcgatcgaa	aaacccgaac	2220
aaccgaattg	atgaccatgt	cccaaaaatt	atcacctacc	gccaggccaa	cgaatttccg	2280

aaataccctt ccttacccaa ccctgcccc aattcctcca aatgcctaga caaatgcccc 2340
 aaattccacg cttccccaaa gatttccctg aaataa 2376

<210> 7992
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 7992
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 gccattgact ccaagagacg gttcgctggc ggcaatgaag aagcttctga caatctactg 180
 ctctccgatg agtcgtag 198

<210> 7993
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 7993
 atcctgaaaa ctttcttatg gtccgcgcta gctttcgatt cgactgggtcg gcactatgat 60
 cagactggga actacaccga ctgggtgggac gctaaaacag tccaagggtt tgaagatcgc 120
 gcgcagtgtc tcgtcgatca atactcaaat ttcaccgttc taggagagaa tggagagccc 180
 ctccatgtga acgggcgcct tactctaggc gagaacattg cagatgctgg aggcatagga 240
 gccgcatttc aggcattgga gaagagagac gaagcgtcgc cggatgctca cctccccggc 300
 ctttccaact ttagcaagga gcagctgttt ttcacgcct atgggaactg gtggtgtgct 360
 aagacgacca aggaagccgc cattcaggct atctatactg acccccacgc tcctaagttt 420
 gcaagaatta ttgtgagttg a 441

<210> 7994
 <211> 963
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (248), (318)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 7994
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 ttgtgtccga accgaggcga ctatgtctcg gtgctgcctt tagtgaagaa caacaccgga 120
 gttaccaca tcatcatcgc agcttttcat ctgaacgagg accccggcca tatcacgctc 180
 aacgacgatc cacctgacca tgagatgtat aaccactgt gggcggagggt gcccggtgctg 240
 aaacgcancg gtgtcaaggt gatgggaatg ctcggcgggg cagcgcagggt gtcctatagg 300
 tgtctggatg gcgaccanga gaagttagag cgggtactacc aacctcttct ggcgatggtt 360
 cggcggcatc agctggacgg gctcgatctg gatgtaaaaa aggaaatgtc tctgcccggc 420
 atcattcggg tgatcgaccg attgaagctg gacttgggag atgattttat catcacctg 480
 gcgcctgtcg cggcggcgcct cctgggaatt ggtaaccttt cgggggttcga ttatcggcag 540
 ctcgagcagc aacgagggtc caagatcagc tggtaacaat cgcagtttta caacggctgg 600
 ggtctggccg aggaccctcg gatgtatgag gccattgtgg cacaaggatg gtcaccacaa 660
 cgcgttgtct acgggctgct gacgaacca ggaaacgggt cgcaaggcta cgtcccgcga 720
 gaaaggatcg ggccgcttct cgcagtgttg gtcgaacaat tcccgaactt tggagggtgtc 780
 atgggctggg aataacttcaa ttccatacct ggtgagcaac agagcccatg gcagtgggca 840
 gcagagatgt cgcttagtat gcacatgaag gatgtgctag ctgctgctcg gcagatgctc 900
 actgcgggac ctatggccaa cagcttgatg aatgttcttc gagacatgat gcacacaccg 960

tag

963

<210> 7995
 <211> 672
 <212> DNA
 <213> A.fumigatus

<400> 7995
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 ttccgccccg aagaggtgca ggaagttgtc cgcattgccca aggagaaggg ctatgtcctg 180
 ccttccgctc accagggcaa ctacaacgct gtagcccgcc gcatcgaagc ggagttactg 240
 cccgttctcc gggaaaacaa catccgcttc tatgcgtaca gtcccattgc cgggtgggtc 300
 ctgaccaaga cgaaagagca gtcctcgcgt ggcggcgagg gacgatggga tccaaacagt 360
 gcgattgggtc agatctatca taggctgtac aataagcctg caatgctgga ggtgctggat 420
 gattgggctg agattgcgaa ggcggaggga gtcaccaagg ctgagctggc ctatcggtgg 480
 atcttcttcc attcgcatac tcgcgaggat ctaggggatg cggtcatagt cggagcgact 540
 aagatcagtc agtttgagga gacgatcgcg gcaattcaga ggggtcctct gagtgcggat 600
 gctgtgaagc ggatcgatgc tgtctgggag aagatcaagg atgtggctac cttggacaac 660
 ttcaatgcgt ga 672

<210> 7996
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 7996
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 ctctggacca cagaaacaaa tttggactct gttagaatat actttatcca aaatgtcaac 120
 aactacagcg acgtcgatgc aaagctctca tccgtgagtt ctggcttgaa ccctctcatc 180
 ttacacctt gtggctccat tgccgggtctg tctttgcgct cgacatttag actgattgta 240
 taa 243

<210> 7997
 <211> 354
 <212> DNA
 <213> A.fumigatus

<400> 7997
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 tatgtcgtcg tcagcggcaa gaagagcgtg ctggagtatg tggaccacct gcacgagcac 180
 ttctgtcatc cttctagcgt caaggatgga tactatgtca ctcccatgga acctggatac 240
 agcgtggaga tgaagcccga gagtatggat gcggttgcgt tccccggcga ggagggcaag 300
 agttggtggc ggacagaggc tgccaaggca atcttggaag gtccgcggat atag 354

<210> 7998
 <211> 618
 <212> DNA
 <213> A.fumigatus

<400> 7998
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 cgattcttgc actatcgag agagcctgat aataagcatg tctatatgat cagagatcct 120
 ccaaggatca agaatgcgtt ggccattggg gtgcatgggt attttcttgc tccactaata 180
 cggacagtgc tcggacaacc aacaggtacc tccgtgagat ttgccaccat ggcggcggag 240

gccatccaca	agtggacgga	gagccatggc	tatgcatgcg	atgttgagaa	gattgcacta	300
gaaggtgagg	ggcgcacgc	tgaacgcgtt	gatttgctat	ggaagctgct	cctcaattgg	360
gtggagaaaa	tcaggaaagc	cgattttata	ctagttgcat	gtcacagtca	aggtgttccg	420
gttgcgatca	tgttagttgc	gaaactcata	gcttttggct	gcttgaatgc	cactcgtggt	480
ggcgtgtgcg	ctatggctgg	cgtaaatatg	gggccatttt	cagattatag	atctcgatgg	540
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<210> 7999

<211> 270

<212> DNA

<213> A.fumigatus

<400> 7999

cgttcgttcc	ttaggctggc	cattgaattt	gctctggaaa	cgacgaatgt	cagtaacgct	60
gccttagacg	tcagacggag	tcattccatct	cctgcgaacc	cctatattct	accgtttgct	120
atgcggggta	tactcgaaga	agagtatggt	cgccgcgaac	tctatgaaga	gacaatgcag	180
ttattaaggc	aatacgaatg	ctggaagccc	tcgagcaaag	ttctaaagga	tgtcaaattc	240
agactcgagg	gaatcaggtc	caaactctaa				270

<210> 8000

<211> 456

<212> DNA

<213> A.fumigatus

<400> 8000

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agctcgccct	tgacaatcgc	attgacggat	gctgggattt	tgcttgcagc	tcattctgatc	180
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ctgactcagt	cctcgggggc	cggaaaagatc	tattcggcct	tgatcacttt	gtctggtggt	420
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<210> 8001

<211> 423

<212> DNA

<213> A.fumigatus

<400> 8001

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tatccgtggg	gcacatactt	ctctgtcgca	ctgaacatct	tcctgggtatt	cttccaaggt	180
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<210> 8002

<211> 2145

<212> DNA

<213> A.fumigatus

<400> 8002

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aagcggatgt ttgaacatca ccgtcaatac gtacatggag aggtcagat aagcgtatct 540
gttcagccct atccatcaaa attacgaggt cttcaagaca cgattctcat gtggagttgc 600
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ggtgccacgt cggatgccgc tgagtcaggt aaggtttcac cagagcatcc tcctactgag 1680
caaggggaca gccaacgtca aaatttggat acagagtctc aaacaccttc aagtatgttg 1740
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ttagacaaca tctcgagccc aaccccgga tccaaattta ggccctcaga caggagttt 1980
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<210> 8003

<211> 477

<212> DNA

<213> A.fumigatus

<400> 8003

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aggtcaactc taccatcctg ggatccgccc agcttcaatc cctcctcgcg tacctcgccc 180
gccccgaatc cgccgaagtc cgctggaaga tcgtcgctc cagcgtcccc ttcaccaaga 240
actggcacgt cggcaccacc gacacctggg gcgggttct gcacgaacgt cgcacctct 300
tcgaagccat gtggcgtgct gagcgcgagc tcggcgctcg cgtcgtcctt ctcagcgggtg 360
accgccacga gttcggggcc acccgcttc ctgacctgat gctggattac accagcgagg 420
atctcctcgc gcacacggcg ggagaaggcg tccacgagtt cagcgtcggc ccgctga 477

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<210> 8004

<211> 999

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (41)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8004

ttcga	aaaagg	aaacacc	cacc	gcaccta	atc	ccagccg	cgg	ngaacca	aat	attccatt	ac	60
catgt	cagcg	tgaat	cttcc	catccc	accg	atggcg	ttcg	caaac	cctga	gaacacg	acg	120
tactt	ctcgt	ttatcc	acg	cccgcc	ctcc	ttcttc	catgc	tcgac	acg	cac	tatcgc	180
tccgag	ccccg	cgcagg	tcaa	ctctacc	atc	ctggg	atccg	cccag	cttca	atccc	ctcctc	240
gcgtac	ctcg	cccgc	ccccga	atccg	ccgaa	gtccg	ctgga	agatc	gtcgc	ctccag	cgtc	300
cccttc	acca	agaact	ggca	cgtcgg	cacc	accga	cacct	ggggc	gggtt	cctgc	acgaa	360
cgtcgc	accg	tcttcg	aagc	catgtg	gcgt	gtcgcg	cgcg	agctc	ggcgt	ccgcg	tcgtc	420
cttctc	acg	gtgacc	gccca	cgaagt	tcggg	gccac	ccgct	tccct	gaccc	gatgc	tggat	480
tacacc	acg	aggat	ctcct	cgcgc	acacg	gcggg	gagaag	gcgtc	cacga	gttcag	cgtc	540
ggcccc	gctga	acatgt	tcta	tcttccc	catc	cgcac	atacc	ggcag	acaga	caccg	aggat	600
gtggcg	gtca	agtacg	tccc	ggacgg	caat	gtcaag	tacg	gcctt	gtgga	catcag	catc	660
caagac	gagc	agatcg	acac	cgcgtc	gggg	acg	ccggtga	cgg	tccc	gag	ctctgtc	720
acata	tacc	tctacg	tgga	ggacc	agg	gtgtg	gaagt	acaa	actcag	cgtt	cccttg	780
cccga	gtacg	attcc	atgat	ggcgg	catcg	tccgc	gaagc	atcc	acgact	gcgt	cctgga	840
aaggt	cctga	tcgaca	atcg	gaaag	cggaa	gggtg	gcatg	ctgcc	atcca	gacc	atggtg	900
ggtcg	attgg	aggagg	cggc	ccgcc	agttt	gcac	accggg	ccgtg	gacga	gttct	atgaa	960
ttgct	ggata	agactg	agag	agcgg	agaga	ttgg	actga					999

<210> 8005

<211> 378

<212> DNA

<213> A.fumigatus

<400> 8005

caacca	agcc	gcatgg	tccg	catcg	cttgt	ggcagt	ggca	cgacc	gttcg	cgaagt	ttag	60
gatctc	ctct	ctcag	caccg	catgat	ggcc	ggcat	ggcca	agcgg	gtcgg	cgggc	agaag	120
aaacaa	atgc	agcgc	gcgca	aaat	atgctc	aagggt	ggca	acaag	gagca	gcag	ctggcc	180
gccatg	caga	agcgg	atggc	ggcc	atgggt	ggtgc	cggtg	cgggc	ggcct	tccg	ggaatg	240
ggcgac	atgg	caaag	atgat	gcag	atgctg	cagggt	caag	gcggc	gggtg	gatgc	cgggg	300
ttcggg	ggaa	tggac	ttgca	gagc	atgatg	agccaa	atga	gtggt	ttgat	gggtg	gagga	360
cgagg	acgag	gacgg	tga									378

<210> 8006

<211> 459

<212> DNA

<213> A.fumigatus

<400> 8006

ctagt	actga	tgcgt	atgac	cagac	acgct	gcttc	cacca	catct	caagc	tgatg	cctcc	60
aaaat	cctcg	ccca	acagc	cttga	atcgc	cccgt	ttccc	ctcac	ctctc	catct	accgt	120
cccc	agatca	cctgg	attgg	ctct	agcgt	caccg	tatca	ccggc	attgc	tcttt	ctggc	180
tcctt	gtacc	ttttc	gcaac	cgc	atacctc	gccgc	gcctc	tggtc	cggtg	gcac	cttgaa	240
tctgc	ctoca	tcgct	gccgc	ttttg	gcgct	cttcc	cattg	ctg	ccaagg	tct	catcaag	300
ggtac	cgctg	ccttt	ccttt	cgt	ctacc	tgctt	gaacg	gcgtg	cgctca	cttgg	tctgg	360
gatct	tggcc	gtgga	atttc	caacc	agcag	gttat	caagt	ctgg	ctggac	tgtgg	tgggc	420
ctgac	tgtgg	ttagc	gcgct	cactc	cttgct	ttgct	gtga					459

<210> 8007

<211> 186

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (31), (67)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8007

cacaaatggg	cttgttagctc	agtggtagta	ncgctcgctt	tgcatttaat	aaaggtgcag	60
gtcctcngac	tatatatgcg	aaatgtccgg	ggttcaatcc	cccgtgagtc	cattttttgc	120
cacgcttact	tttgccctgg	tcttttttct	actttctttt	tcgtgtgggt	tggcgccatc	180
tggtag						186

<210> 8008

<211> 402

<212> DNA

<213> A.fumigatus

<400> 8008

caggaatgcg	taggtgcac	actctcgta	ccgtccaagt	taccgtggga	gttcacctct	60
gagaatccta	ttcgcagcgt	ctttccgcta	tggecggttt	acagcttgcc	gatgggcctt	120
ctgaaatggg	tttacgtgga	gttagagata	gggaacccct	cgccggaggt	ggcttactat	180
tctttgagag	cggtcatgtt	tcttttaagt	ttcgtttttag	aggactgggc	catctacgag	240
ctgggtcccgc	ttccgcgaca	tcgccgggct	gctgtgggtgc	tggttgcatc	ctcgtatgtc	300
acctggacat	atcagacgca	caccttctcc	aactcgcttg	agactttact	ggtcacctgg	360
ggtctgggtgc	tgattcgctcg	catcgctgga	caaaagggtt	ga		402

<210> 8009

<211> 441

<212> DNA

<213> A.fumigatus

<400> 8009

gacgatattt	cggacgacga	aatgggtgcga	tgctgcaaga	acgcaaacad	ctacgatttc	60
atcgtcagtc	tgccaaacgg	ttttgatact	ctcgtgggta	gtaagggcaa	catgctatca	120
ggtgggcaga	aacaacgtct	tgcaatagct	cgagccttgc	tcgcaacccc	tagaatcctt	180
ttgctggacg	aggccacttc	cgctctcgat	ttagagtctg	aaaagctcgt	gcaagctgct	240
ctggataccg	ccgctcacgg	ccgcacgacg	attgccgtgg	cacatcgtct	cagtacgggtg	300
caaaaggcgg	gcatgatctg	tgtcttcaac	catggccgaa	taatcgagtc	tggcactcat	360
tcagagctga	tgcaagaagcg	gtcggcatac	tttagcttgt	cagcttccag	actttgggcg	420
gaatgtgact	cttctcccta	g				441

<210> 8010

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8010

acggacgact	cgactttatt	gagaaggaaa	tgtgcgtttt	tccttgtctt	atacttccgg	60
cacgggttga	agatcatggc	tgacggcatc	gatagcaaga	gaatcgaggg	acagatcaag	120
gaggctcaag	aaaaggctga	gaagaaacgg	gcggaggtga	gaaactcctc	caaaaagttg	180
tcatag						186

<210> 8011

<211> 531

<212> DNA

<213> A.fumigatus

<400> 8011

tttggtcggt	gttcaccggt	ctgtcattac	cgtaattacc	aacattttgt	gtccccgcca	60
acgccccctca	cgctcagaga	cagcattgcc	aaagtcataa	tcaaccttgg	aaggaggata	120
cgtaaggcac	tatggcagac	ccgcagaagc	agtttcaggc	tctctctgat	gagtatcagc	180
agctacaaac	cggtatgtga	tcctgggttca	cagcacccaa	aacaattcaa	tcaactccat	240
ggcatcatcg	caagctctaa	cgcgctgcc	atatcttctc	cagacctcga	aggtttcatc	300
gatgctcgcc	agaagctcga	gtcgcagcag	caggaaaaca	aggggtgtgca	ggcggaaattc	360
gacaaactgg	atgaggattc	gagaatctac	aagattgttg	ggccggtctt	attgaagcaa	420
gacaagaacg	aagccgtcat	ggctgtaaac	ggacgactcg	actttattga	gaaggaaatg	480
tgcgtttttc	cttgtcttat	acttccggca	cgggttgaag	atcatggctg	a	531

<210> 8012

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8012

gggaagtgg	agactccggc	cggtggggta	agttgtgggg	ttgagcatct	ccataccccg	60
cttcggtgta	cctccaccct	aatggaggac	tcaaacatca	accagcatcc	aacagccacc	120
tttgagttta	ttgccaacaa	acaatctcgc	ctagatggat	gccgatcgtc	ctactgggta	180
tactga						186

<210> 8013

<211> 1200

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (82)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8013

gccatatcca	tggacttttc	caccctggg	attttacgtg	gggaaatagc	aggggaagagt	60
tcaaagtgtg	cctttgcgcc	cngacacatt	atggaagtgc	acagggcaga	gctggaatcg	120
ggacattgtg	atgtgatcgt	tactgttatg	gatggtaggt	gttgtcccat	tgtctggcca	180
atctatagcg	ctaaccgggt	gatagccgac	acgcatttct	ggcaggacta	ctttacagag	240
atccggcgcc	ttcattatgc	gcacatctcg	gaggcagatc	ggactctata	ttgctgtcct	300
atcatttttcg	accgcaattc	gcaggagacc	ccagttctgg	tccgttgtgc	agacctactt	360
tggggatttg	ccggtttgtc	caccatttac	cccgggacgt	gcatttcaat	cccgcacatca	420
gtctactctc	tgccactgtc	tctggctgaa	aggattggtg	gctgggacag	tgactctact	480
gcgatcggag	aggacatgca	catgatgctt	aagtgcattt	ttgagaccgc	gggcaacgtc	540
atcactcggc	cgggtctacgt	ccccgcaagc	cagtgcacgc	tcgcgagtga	taccggacga	600
ggctggcgcc	ggtcgttgaa	tacgtgccgc	gcccgttatt	gacaggcatt	gaggcacatg	660
tgggggtgcac	ttgactcggg	ccttgccgca	cggcgtagca	tcagttacat	tcgctctcat	720
tgccgctgcc	tgttcttcgg	accgaggcac	cttgccctga	tacacttgct	ctgggaagct	780
cactttcttc	cttgccatct	gatcatactc	atggtattct	ctaccatcta	taccttggtg	840
acgcctccag	cttcgcttca	tccaaccatg	gcattggacgt	tcgaccttac	caacctgcta	900
cgcgcactct	catttatcgg	aatgaatatg	tgcatttttc	tgtacgagcc	atggcatgca	960
ctctgtgtgc	gcacgcggaa	aacagatatg	caacaagcaa	acgtggcgga	tgcaggggttc	1020
tcagaacgga	tctggtggag	ccctgcgcag	ctagtggagc	gcatctgctt	tcctattgca	1080
ggaaccgtct	ttggtgggat	tccaacggtc	cacgcagtct	tttcgcattt	ctggaccgac	1140
aggttgggtat	atcgggtgac	caagaagccg	actttttcgg	tggctggagc	gatggcctag	1200

<210> 8014
 <211> 459
 <212> DNA
 <213> A.fumigatus

<400> 8014
 ctcattctga ctagatatca tctcaacggc tgggctccgg atgaccccct ctgggccgag 60
 caggcaggcg agtataagaa gtacctatct gcctaccagg ccctcgcaaa ggagctccat 120
 atctgcctgg tgcggggaag catcgtcgaa aggcacgaga ccgaagccga cgggaaagaa 180
 ggattcaacc tctacaacac cgcatacttc atctccaacg acggcagcat cctcggctcc 240
 taccagaaga agaacatttg gcatcccagc cgacctcacc tcacctcatc cggcgaagcg 300
 ccgcacgagg tattcgacac gcccatcggg aaagtccggc tgctgatatg ctgggatctg 360
 gcgttcccgg aggcattccg agaactgatt gcgaccgggg cggaagtggg gattattcct 420
 acgttttgtg agtggectgt ctctctttct gttgtgtga 459

<210> 8015
 <211> 1005
 <212> DNA
 <213> A.fumigatus

<400> 8015
 atgcgcttag cgcggatgct tcgacccctc tgtgggtgaag acgatcctga gctcaaggct 60
 gcattcttac cctccccact aacatcttct ttccgaccct tccaagctgc caaggaattc 120
 acgccatata tatatgagct gaacgaagcg gagctcgagc gcaactgaagt gtccatatcc 180
 agagaccaac gtcggcagaa acgctccgtc aaccgcccgc gtggcccggc tctgccagat 240
 ctgaaagatc gtcagcgcac cattcgtaca atgcttgtat cctccgtcat acccaatact 300
 gcagcatcaa tcgaagagag taatgtgttc aaacgggtccg ggtcagagtcg acacagacgc 360
 gctgcagttg gccagcggga tgggtggtag gagtccgatg agtcggatag cgacgagtca 420
 tcgatgacgg gctctccggc tatcgcccc catctagccc aaggaacagc ccgcacaaga 480
 ggcattgagag gagccgcaag cgcagctcac gccgctctcc gggcgagtct ggctcattct 540
 gccacccccg aacctcatca cgagcctcgg gtctccgcta gaagacgaga ttaccgggaa 600
 gagagcatag aagagcaaga gaagctcatt gtgaaattaa agatctctcc tgagaaattt 660
 cgccaattcc tcgccaacag gccacagtcg ttacctaacg cttcggtttc tacctccacg 720
 ccagccgccc aaccagtatc tcagaccggc acacctcaag tacggacacc aacgccgagt 780
 agctaggctc cgccatcgca gcccaaacc caagttcaag taccgaatac tgctggccat 840
 cttcctcagc ggctgtaca acagcttggg gctgttgatg ctacacaccc cctcagcca 900
 ggcgttcccg gggtaggtac ctcccttctt ctcacccttt tgtactctgt ttcttttctg 960
 gctctgtcca gatgccatg tctacagttc atttgcgttt gctga 1005

<210> 8016
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 8016
 cctcctcccc cagcctggct atcagcaggt cttgcccggt tgaaccggct acatccaaac 60
 gactcgtttg aaggtgtgat gcgtacacg gcagtggata cagagactat gttaccagtc 120
 gcaaacgcca atagccagcc gggccaccga ctgaagtacc agtatcttcc tcggattcgc 180
 tgtcacgatt gtccaggtaa attgtatact cccggaccag gaatgacggt cgacaacttt 240
 gaggttcatt tgaggaatcg acaacataaa gagcgcgtag aggagaggct cgcaaaggca 300
 gctgctaacg gtggctcctc ataa 324

<210> 8017
 <211> 327
 <212> DNA

<213> *A.fumigatus*

<400> 8017

ggccggggcgt	ttgtgatgcg	ttttctgaat	gcgttcgagc	gtgagtcaaa	ggttcgctat	60
accctaaaca	gacatgtttg	taatctaagc	aagttttaca	cactagggcg	acaggtcatc	120
agtaatagca	tcgataagta	tataagtgcg	gcatcagctt	ctcacctggc	tggtcaccag	180
agcatcttat	tttccgcttg	cgacatgtcc	gacacctata	ggagccaaat	aaagctacgg	240
ttagcccggg	aaagaacatt	tgatcatgaag	gcaagcttac	gccgcattga	ctcgacggcg	300
cttcggctgg	ggctgtccat	cgcttga				327

<210> 8018

<211> 1230

<212> DNA

<213> *A.fumigatus*

<400> 8018

tcgcacatca	tgagcaacga	cggttttttcg	tccttaaaat	tcagacgaac	gtctagcaaa	60
ctgcaaaagg	accctcctag	cgtctcttcc	cgtatcctta	gaagtcagca	gagcaacacg	120
tcactcaaac	gacacccctc	ggcgctgtc	tatccccgtt	cctctgtcac	tggcagtcga	180
gaacattcgc	gcacaagatc	caacgcatac	ggttcctctt	catcgccct	tgagcaacac	240
agtggcggtc	catctcctgt	ccttgctggc	ggcgactcca	acaattcctt	ttcgagcaag	300
tcccgcggcg	ggcggttttc	tttcaatacc	gaccccagct	ctgatgaatt	gaccggttcc	360
ccgttcgatt	cacggggcat	gctcagtgc	ttggaagaga	acaccgcaga	gtccgagaaa	420
agtctctcgc	cgcaaccgcc	gacgttacga	tcttaccaca	ccagccccga	ttcccgcgga	480
ctcagacagt	cggcgagttt	caccgcttta	cagaaccgta	tggaacacct	caccagaaa	540
agcgaataatg	atcaatcaac	aaacacgaag	aggcactcgg	acgaggcgaa	cggaacaaag	600
gtctttgggc	ggagtaagaa	gagcagcttt	tcgagctttg	tcaacagcat	gttagggctc	660
ccgcggggca	tcaagatctc	cgccccgaa	aaccctgttc	atgtcaccca	cgtgggctac	720
gacaatcaga	ctggccagtt	caccggcttg	ccgaaagaat	ggcaacgact	cctgcaagag	780
aacggtatct	ccaagaagga	gcaggaggag	caccctcaaa	ccatggctga	cattatgcga	840
ttctacgaga	aaaacgctcg	cggagatgac	gaagtctggc	acaagtctga	ccacgcctat	900
gctcatcatc	aaccactgc	aaacacaccg	gggtcccagc	gaaactcgcc	tccaacgagc	960
cctcgggttc	cacagaatca	cgaaggcagt	tttgagaatc	cacgcgcgcc	tcctccaata	1020
cctcgtgggtg	ctcccgtgc	cactcaggcg	atgtccccc	caatcgggtg	gcttggtccc	1080
agtcgagcgc	ctcgaaagcc	tcctgctccg	gccaacatga	tacctgctcg	accggcaccg	1140
caccgcggcg	tggcacggcc	gcctcaagac	gcttatgcc	acccattcag	cacgcctcct	1200
attccagaat	tccgaccctt	tgccctctga				1230

<210> 8019

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 8019

tttgagagat	ggaaaggaga	agggggggcg	ctaagcaagc	ggcaagtc	gagtaggaag	60
acaggccttg	ctgcctcagt	cacaatatcc	gctcaaagaa	actatgtcaa	gactattaac	120
cccatgttcc	caacgacctt	gatcccatat	aagcgatcta	tcgatgcatt	ctcaaccttc	180
tgtcatgtca	aacacttaac	taatccctga				210

<210> 8020

<211> 249

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (42)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8020

cccccttcca	taatcttcgg	tcccggcacg	atcgaggtga	anatggatgg	ccttcctgaa	60
tatctttcgc	gatgtaagt	gcgtcctttg	ctgagcttcc	tggatgtgat	tgacagtaaa	120
attgcaggtc	agacctatga	aggtggtatc	tccgggagtc	cgggctccga	ggcgcatggc	180
gcttatgcct	tttgtgcttt	ggcctgtcct	tgtctccttg	gtcggcctga	agtggttgtg	240
ccaaggtaa						249

<210> 8021

<211> 666

<212> DNA

<213> *A. fumigatus*

<400> 8021

agatccgcac	ttacagatca	tctttctacc	gttgctgagt	gtattagata	tatgaatatt	60
gcaacactcc	ttccctggct	ctcggctcga	caatatgcac	cggaggagg	tttctccggc	120
agaaccaata	aattggtgga	cgggtgttac	agccactggg	ttggaaattg	ctggccctc	180
gtccaggctg	cgctagatgg	cactcagcca	ttggcaggcc	ctaagcgatc	ttccgtcggc	240
aatctttaca	gtcgagaggg	attgacgaga	tatatccttt	cttggtgcc	gtgcaagctt	300
ggcggccttc	gagacaaacc	gggaaagtat	gtcaattcat	gtgcccac	attcgaagtt	360
gaagtgcaaa	ggctgactgt	ctacagacac	cgggattcat	accatacgtg	ttatgcctc	420
accgggctca	gcacgggtcca	atattaccat	tactgtactg	actcaagtgt	gagctcgaag	480
gatgacttca	gctctgcatt	ctcttggaa	catgacccta	acttcgcctc	ggatgggtcaa	540
ggatccgaca	ttggcgtatt	cactgagaat	gaccgactcg	ttcctttcca	tcctattttt	600
gtcattccac	acaagtcagc	cgaagatata	cgtgtctggg	tcgaaaatca	atctttcgac	660
ctgtag						666

<210> 8022

<211> 585

<212> DNA

<213> *A. fumigatus*

<400> 8022

ctgtcgctac	tggcattcga	actatgtgca	cacacagcct	attcaccatc	catgagggca	60
ccatcaggca	gtctatacca	cctccaaccc	cgactcgatg	acatcctaaa	cgatgtggcc	120
cccttccctc	acaccctggg	cgcattcatt	gcctttctct	cggagcgcca	gtgcctagaa	180
accgtcgagt	tcttactgga	aaccaagcgc	tactgcgcga	tctaccactg	gctcgagcag	240
agaaccgaga	cctgcgaggg	cgtccgcaag	gcccattctc	ggggtctgtg	gaaccgactg	300
atcaaccagt	atatccggcc	ctccgcggag	cgcgagatca	acatccctcg	cgacattcgc	360
cagcgggtga	tgcagcagtt	ccacctgcaa	gaggacgacc	ctcccccgcc	cgaaatcctc	420
gatcaggtcg	tgtgtaacgt	caaggagctg	ctgcgcgggt	cgatcctcat	acccttctctg	480
cgacgatcgt	ccgcgaccgc	gcgcgtccag	ccgctctcca	tgccatgtct	gaacggtagt	540
ttggttttct	accacagggg	gtcgaaggag	ccgcgcaacg	gttaa		585

<210> 8023

<211> 549

<212> DNA

<213> *A. fumigatus*

<400> 8023

acttggaat	gggaacgatt	cgcgggtgg	acttttcgca	acgcctttat	tgggtgggggt	60
gatctggcgt	cggaggaggt	cccgtcaaca	agggatggga	ccgcaggtgt	ttttgactcg	120
gggcaactct	tcgacgtcga	aatatcggtc	ctcgtgcgat	tgtcaatcac	cgtcaccatc	180
gggcgtatca	ccgtcgacaa	cgtccatcgg	ggcatccttg	gtgccgccac	catactgtcc	240

gtggtcgccg	gaaccatttt	attattatttc	accatcttcc	aatgcacgcc	ggtcgattat	300
tactggaacc	gcctgacgaa	agagggccat	tgcattggaca	tggatctact	ggtgggaatc	360
gtctacatgt	acagtgccgc	tgctgcggta	tgcgacttta	cgattggact	gctgcccgcc	420
ttcatgattg	ggaggctaaa	gatggaccga	catacgaaga	tggcgcgtcat	tggcgttctg	480
tcgattggat	gcgtgtatgt	tcttgcctct	gatcgaaccg	gctggacgct	gacttttctg	540
cagtgcctag						549

<210> 8024

<211> 693

<212> DNA

<213> A.fumigatus

<400> 8024

atcgctcgca	gcgccggaat	cgtcagaag	ctcaagattg	gcgttggtca	gaccgcttat	60
gccaacggat	cgagcaccga	gtacatagaa	aaagttctca	aactcccatc	tgtttgacc	120
aatactgggtg	tgaacatct	ccaccatgcc	gccatgcggg	togatgttgg	cgtctacttc	180
gaagctaata	gacacggtag	tatcactttc	tcagagaatg	ctttgaagac	cattaagaat	240
acagagccgc	agtctccggc	ccagcagcgt	tcgttagagt	gcctgcaagc	tcttactgat	300
ttgattaacc	aagcggttgg	cgacgccatc	tcgtgacatg	tctcgtcga	agctattctt	360
gctcacaaag	ggtggacgcc	taagggaatg	cttgccacat	ataccgatct	cccctcccgg	420
cttggtcggtg	tggagggtgc	tgatcggtca	atcttcaagg	cctacgacgc	tgagcgaaag	480
ctcgaatcgc	ccccgggact	ccaagcaaa	attgattctc	tgcagtcccg	ctacaacaag	540
ggacgaagct	tcgtctcgtg	aagtggcacg	gaagatgcgg	tgcgtgtcta	tgccgaggct	600
gcaagccgat	cagaagccga	cgatctcgt	actcgcgttg	ccaatgccgt	tcgggatgcc	660
ggcaccgtca	aagaaatctt	gcaggcttct	ttaa			693

<210> 8025

<211> 519

<212> DNA

<213> A.fumigatus

<400> 8025

gacgtgtct	tcttcccggc	ggtggagatt	cttcttcggt	cgctcggttt	cggcgccatt	60
ccgtacatg	gtcagctctc	ccagtctgct	cgattaggcg	ctcttgggaa	gttcggttcc	120
cgcagccgcg	atattctcgt	cgcgacggac	gtcgcgcgcc	gtggtcttga	tattccgtct	180
gtcgacgtcg	tgctaaattt	tgatctgccc	accgactcaa	aaacctatgt	tcctcgtgta	240
ggccgtacgg	cccgtgcggg	aaagagtggg	gttgctatta	gctttgtgac	gcagtatgac	300
gtcgaaatct	ggttacgtat	agagggcgca	cttgggaaga	agctcaagga	gtatgagcta	360
gagaaggatg	aagtaatggt	cctggctgag	cgtgtcggcg	aagctcaacg	gcaagccatt	420
atggagatga	agaattttga	cgaaaagaga	ggcaccaagg	ccaagaaatt	cggcaaagga	480
aaacgtctc	gagatgagat	ggatcaagaa	gaaggatga			519

<210> 8026

<211> 489

<212> DNA

<213> A.fumigatus

<400> 8026

ccccgggcta	atgctcggat	tgctcgtcct	gtggagaaga	ctgatgtgtg	tgctggcatt	60
ggcggaata	ttctgcaagc	taaagtgtcg	ctacgaaagg	caaaaccgcg	tgccagttc	120
caactaaagc	cggacagcgt	attggacttg	attggagacc	tcacgggtga	ggatctaccc	180
gggtgtcggg	atagtcttgg	cgcgaagctg	gaggaagctt	gtgtcaaact	cgtgaaggat	240
gtcagaggcg	tctctcgtga	gaaactgatt	aaccaccttg	gacccaagac	cgggtctcaa	300
atctgggaat	atgctcgtgg	tatcgatcga	acggaagtcg	gcaatgaagt	tctcaggaag	360
tcggtctcag	ctgaagtcaa	ctgggggatt	cgctttgtga	accagaccca	ggcgaggagc	420
tttgtgaaat	ctttgtgcga	ggagttacac	cgcgactttt	cggataaacct	ggtcaaaggc	480

aacagttga

489

<210> 8027

<211> 1038

<212> DNA

<213> A.fumigatus

<400> 8027

cctgggtcaaa	ggcaacagtt	gaccttgaaa	gtgatgcgaa	gagctgcaga	tgcgccattg	60
gagcctgtca	agcacctggg	gcatgggaaa	tgcgatgttt	tcaacaggag	cgctcgactg	120
ggcatagcga	ccaacgcgcc	ggaggtcctt	gcaaaagagg	caatctccat	gcttcgcagc	180
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tccccagcga	ggaaaagtca	tgaacagggtc	cgggatcctg	atgacttgga	cagcccacgc	360
aaagccgacg	ctgcagccgt	cagccatggc	ccgactttga	atgacgattc	gtacaaacct	420
ctgaacatct	ctggaactca	attcatcatg	ccgtcgcagg	ccgaccccaa	ggttattgct	480
gaactcccta	gtgatatccg	gtcgaagttg	atgtcgcagg	gcaaagggcg	acaagcgtct	540
cgctcgacct	cgcttgccc	ggcgcacgt	aggacacaaa	cgtccacagc	cacggcactc	600
cctcctcagt	cgcagctgga	ccccgacact	ctggccgctt	tgccggaaga	tgttcgtgcc	660
gagatttttg	gctactatgg	ccgaacgtca	agcactccag	aacctcaacc	ggctgtttcc	720
actgttccca	gctctcgtcc	agcgtcgtct	ggcagtcctg	gaataaagaa	gtcatcaacc	780
cctacaaaaa	aacgacgggg	cagaccacgc	accaaaggca	cgggcaatat	gacccttacg	840
cagtccaatt	ttattatcgc	aagatcgacg	ctaaccctcg	tcaatacgga	ggagcaagca	900
tcatacggc	agccctctcc	ctccccggac	ccggaaatct	ccgccgactt	cctcgcagcc	960
ttaccggaag	acatccgccg	cgaagtcctc	gaagagcaga	aacgagcacg	taagctccaa	1020
cgctcaggct	tgcaactg					1038

<210> 8028

<211> 222

<212> DNA

<213> A.fumigatus

<400> 8028

ccagaaatcg	tccatttgtg	tattcgaaga	gttgctcgcg	ctgaatgggc	tctcctgaac	60
gaagagatat	ctgtaagaga	gtgtgcttat	ctgagagatg	caaataatgt	accgcaacaa	120
gtcaaggaca	tgttcctgcg	tatcagtttt	ggtgccgatg	aagtcattct	agaaattttg	180
tttcttattc	tgttcatggt	tacgcgaact	gttgttgctt	aa		222

<210> 8029

<211> 396

<212> DNA

<213> A.fumigatus

<400> 8029

cttggtgcgg	tacatcattt	gcatctctca	gataagcaca	ctctcttaca	gatattcttt	60
cgttcaggag	agcccattca	gcgcgagcaa	ctcttcgaat	acacaaatgg	acgattttctg	120
gttaatgaga	aacatgaaat	gtccaaacgc	tatgccaaat	ttgatcttga	cgctctatgc	180
tcgctagttt	cgtcttttgc	ctctgtctcg	tcgcctatat	ccaagggttg	gaagatggag	240
ggtggcttca	acaaaacttt	gctgatgact	gcagaaaaca	ggaaaggagt	cctcgccaaa	300
atgccgtgtc	ctgctgttgt	gccgtcgagg	tatagcactg	cgtctgaagt	tgccacattc	360
gaatatggta	aactatgtgt	gacgggtacc	ttgtaa			396

<210> 8030

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8030
aatatgactt ttcttccagt gaagtctctt acttctatgc cggcgccga ggtccttacc 60
tggagctgtg atgctctaaa cctgtcggg aacgaatata ttgtaatgga gaaagccaag 120
ggacggcagc tagtcgaagt atggggtgag atggatcagg cgcaaaaatt caagcttatc 180
caaaccttgc ccggctggaa agccagctgg cctcagtga 219

<210> 8031
<211> 786
<212> DNA
<213> A.fumigatus

<400> 8031
cgcgatcct tccggccccc tggtgaagac attgcggaact tggcgcctc tgttgtatat 60
gttcctcgg aggtattgaa gacacggctg caactccaag ggcgctataa caacccttat 120
ttcaattctg gatataatta ccgtcaacc tcagacgcgc tgcgaaccat cattcgaaa 180
gaagggtttt ctgcgtctt ctatgggtac aaggctacca tttccgtga tctacctttc 240
tctgctcttc agtttgcctt ctacgaacag gaacaccgac tcgccaaga atgggtaggg 300
tctcgagata tcggctcttg gctaaagatc ttgactgccg taacggctgg tggcatggcg 360
ggcggtgatta cttggccaat ggatgtcgta aagactagaa ttcagacaca gcagaaccg 420
gatgctgtca agccttctc cgcttcgtca aaggccccg ttgagcagc ttctaccaag 480
gagactctcc ggcagcacac ttcaaaccaa actacttcaa gtctccggac tcgctcacgg 540
ccgatatcaa ccggaggagc ctctacttcg gtacggcctc ctggaacgcc tcgcttgga 600
acctcgtcat tcttacttg gttgaagggt atctaccaga cggaaggatt ttctggatgg 660
tttcgcgggg ttggcccacg gggcgtttg accagcatat aaagcggaac catgctggtc 720
atgtaccagt atctgctgaa gcagctcgag gcattggcaa ctactgggga gacgggcccc 780
ctttag 786

<210> 8032
<211> 288
<212> DNA
<213> A.fumigatus

<400> 8032
tctgtgcgc gctatgcgga ttacagcaac aaggacgcgc tagccatcgc tctcaacaaa 60
taccttcaag acaaccaaac tatcctgac aatgttcccg agttgaagga atactggacg 120
cgcgcgtctt caacatcgcc tgcgcgcact tctccggtca agaaggctgt cggggtcgac 180
gtcacgcctg cccgaagaa agttgcgcct gctggacgga aagctactcc tggaaacaacg 240
cgtcggaggc aaacacagcc taagaaggag gaggttgaag tgacgtag 288

<210> 8033
<211> 1203
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (924)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8033
tggtcagagc atcaccaggg atttaacagt tccattggta cataccacaa gatccaatcc 60
aatatacaaa gctcgcagaa tcgagtcgga aatctaaaac atgcgctgga ggacgccaag 120
gctggattac tctatacgaa gcccgagttg aagggactag cgacgtcttc ccagaaatac 180
gacgacttaa tccagctttt aagtcaaata caagaaatac aatctctgcc tgaaaagctc 240
gagtcccgaa tatccgacaa gcgattcctt ggtgctgttg aggtgcttca cgatgccttc 300

cgattgttac	ggcgctccga	gctagagaat	atcggagcac	tggcagacat	acgcgcctac	360
tttgcaacc	aagagatc	tctgactgat	atcctgatag	aagagttgca	tgatcacctg	420
tacctcaa	ccccctattg	ctcgaatcgg	tggaaaccac	cagcgcaaga	gggagaagtt	480
ggcaccgcaa	acgcctctag	ctggactgga	gtagcaacct	gggaaaaacc	tgtctacgcc	540
tttcttggga	agctggacgc	caccacacca	ctggtagagg	acgcgtcccg	aaacccggag	600
gctgacacgt	tttattatat	ccgactttta	attgaggcgc	tgaacaagat	gggccatttg	660
gacatagcgg	tcgaccgcat	tgagcagcgg	cttcagttg	agctatttgc	agtagtcgat	720
aaaacaaatg	cagaagtcga	cgcgcgtcat	ccgaatttgg	gccggggcct	ctcatcccg	780
gatggcaaga	ctagtctgcc	aacagaggcc	attgaaaaac	gcggacatgt	tttgacggag	840
ttcttatgga	ctctatatgc	caaatttgaa	gctattgctg	aaggatcatg	tgtcctccac	900
gatgccactg	ctggaattgt	ggancgcgaa	ggcatcccaa	aaacagtgca	cttacaagtg	960
gtttcaaaga	gttgtggaaa	ctctatcaaa	atgaagtcag	tggccccccc	taggttcggg	1020
cttaacgctt	ctcaatgcag	tctatctcac	agtttctata	gattcgttcc	ctggtgcacg	1080
attacctggc	caccgatgga	gagtcctcct	ttagatttag	agaagaagaa	gccgatgcta	1140
aacgtcaa	tcagtctggt	catagggata	ggaacaaggt	gcgtctgctt	gccacatgtc	1200
tag						1203

<210> 8034

<211> 393

<212> DNA

<213> A.fumigatus

<400> 8034

catcgtgcaa	gtgctcttct	agattctcta	cgacaagtag	cgcccgctcat	gaacgatgcc	60
agtgaagccg	accgggcagc	ctaccaggag	acctgggatt	ttctacacga	caccatcagt	120
ttatggccat	tgggaggtcc	tcgtggaggc	atcatatcct	ggcccgctcca	tatcggcgaa	180
gactacattg	ctctgttgaa	gcaggagagc	tggatcgctc	gtattttatt	tctacactat	240
ggagttggca	tgcacctgct	gtcggataaa	tggtagctta	gcgattgggg	gcgtcgcttg	300
gtggctgcgg	tcttgagcc	tctgcaggac	attcctccaa	tctgggcccga	aaccatcact	360
tggatacgac	aggcagtcga	tctcaacagc	tag			393

<210> 8035

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8035

gcccctgcat	tggaaaccga	ccaaatcaat	caacttattg	taatcccagg	catgtaccat	60
agtggatattg	ggggcgccgg	ctttatgcta	gtccgagctc	ctaattggctc	cttcgagttc	120
atcgacttcc	gtgagacagc	tccggctgcc	gcattcgagg	agatgttcaa	taactcgact	180
catgcatcaa	caattgggtgg	cttggcttag	tga			213

<210> 8036

<211> 639

<212> DNA

<213> A.fumigatus

<400> 8036

gatttactct	accgggctga	actacgcaga	agaactaatg	tgtctctaag	tggcgcttct	60
ggcgagctgc	gtgggctgga	gtatcttcac	agaagtatg	gttcattgcc	gtggtcggtc	120
ctggtgcaac	ctgcaatcaa	gactgctcgc	gagggttcc	ctgtcggcca	ggatttagtg	180
aagtacatga	aatcggctgt	tggtagcggc	atagactttt	tggtagagaa	cccgacctgg	240
gcgtcgactg	ttgcccccaa	tggcactcgg	cttggactag	gagacaccat	gactcggagg	300
cgctatgctg	ataccctcga	aaccatcgca	aacaagggac	cggtctgttt	ttactcagga	360
ccgatcgccg	agacaatgat	caacgcgctg	caggccgcga	atggtagcat	gacaatggag	420
gatttgcgca	actatactgt	agccattcga	aatgtatcac	agatcgatta	ccgaggatat	480

cagatcacaa	gcacatcagc	cccccaagt	ggctactgtt	ccctgagtat	tctgaagatc	540
ctgagtactt	acgatggctt	cttcgccccg	gggaacgtga	acttgagcac	acaccgactg	600
gacgaagcca	tgcgttttgg	gtatgggtgag	gtatgttga			639

<210> 8037
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 8037						
ccagagacga	agagaactaa	tctcggcgac	cctctcttcg	tcgctgggct	ggatgagttt	60
gaagaaaaca	tgttgaaaca	atccaccatt	gatgaaatcc	gacggaatat	ctccgattac	120
cgtacacaga	atgtgtctgc	ctacaatccg	caaggaattg	agagtttgaa	tgagtgcgaa	180
tatcgttcgt	cttcttga					198

<210> 8038
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 8038						
atgagtgcga	atatcgttcg	tcttcttgaa	gtccttactg	acaagcccag	ttcgggtaca	60
tcacatgtgg	tagcagcaga	tcaccacggg	ctggcgatct	ccctcgtcac	aaccatcaat	120
accctctttg	gcagccaact	catggttcct	gaaactggaa	tctttattaa	ccacgaattg	180
gaacgtacgt	gctgcactgg	tcacccccca	ttccactaa			219

<210> 8039
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 8039						
ttcctctttt	tctcccgagt	tcattttctat	attctcttct	taaataatct	tttccctctt	60
aaggatttat	ttagtgaccg	cttgctcgct	gtcatttctc	tgctcttcat	cctctcttta	120
ttttgggtgt	gcctctgcgg	agccggggac	ctgggttcca	gccacctcgt	ccctttcgga	180
ttcgtttcaa	tcatacattc	ttctttatcc	cactcactca	gcggcaataa	cttgagcgac	240
atttttgttt	cctcacagtc	cttccagggc	gttctctag			279

<210> 8040
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 8040						
ccttttctact	ctgccggtca	attgtcgatc	tcgttacttc	agcaagacca	aagacggcct	60
tctagtcagt	atctgtacga	gtgttcgaaa	gtttacgtcg	tgccccatgg	tttcttcggc	120
tcggatcttc	aactgaacat	cactttctgt	catactcaac	cgggtacatt	ttttgcttac	180
gcatattatc	ggctttgcat	cttgggaaaa	agcagttcgc	cttttttaa		228

<210> 8041
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 8041						
acttcaagtg	tctacagagt	acctaacggg	ctgaacctct	tcattttattt	ccaaccttac	60

accatcgggtg	ctagactaag	ctcccgtaat	gcggtccatg	ttatggcaac	gccacgtgcc	120
agccggaaat	cctccatggc	cctgatctcg	gtcaatttgg	gccatcacat	atatatatgt	180
tattaa						186

<210> 8042

<211> 936

<212> DNA

<213> A.fumigatus

<400> 8042

tggtgtat	atgatcaaga	aatTTTTCTA	cctgggtgttc	aactactctg	gttctgcccc	60
ctcatatatc	cacagacccat	gctgcagtac	aaaaatggaa	tctatccctat	tttggccccat	120
gaaatcgggtg	aaggacttcc	cgttttggatc	attcatggat	ggaagatgga	ggccagagtc	180
gaggagtgg	actttgagcc	gatattcagc	acaataccgg	gacttcgccg	gatttacgtg	240
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cttcgcctgg	tgacgttcat	tgattctcga	cttggcaagt	caagattctt	acttgctggc	360
tcacgtgtg	gcggtacct	tgacgtgcg	atagctcaaa	aatatagtaa	ccaagtcgat	420
ggctctctgt	tacgcgtgcc	gcttatagag	ccaaaggaca	gcatgcgcga	tctcgatgct	480
ttcaagcctt	tggttgcaaa	tgagcaactt	atgtcggaca	tgctggccga	agacaagaca	540
cttcttggcg	acgttcttgt	tcaaacgcct	gcttacgtta	agactctgaa	ggcgaaatac	600
gacgaggttt	acctgccagc	ggagaagaaa	gcagacagcc	aggtgttaga	tccgatccga	660
gcagatccac	atcgatatca	gttatctttt	tcgggtggaca	atgaagggtgc	caagtTTTTT	720
gcacccacgc	ttattatatg	tggtcggcaa	gatgagagcg	ttggctatcg	agacagcctt	780
cgttctgtgg	agcttttatcc	acgatcaacc	tatgttgttc	tagaccgtgg	gacgcagggc	840
cttcttatcg	acgagactag	tgTTTTTGAA	gcccttggtc	gtgactggat	aaatcggggt	900
aatgaatggc	ggggctgcac	ggacagagaa	gtgtag			936

<210> 8043

<211> 192

<212> DNA

<213> A.fumigatus

<400> 8043

aatcttacct	ttaaagataa	actaaggatc	tatatactat	ctatctacag	atacacattt	60
aatagctgta	atattctctc	ctcttttaga	tttagcaaga	ttagggaactt	tccctttctc	120
ttttatacta	atcaccttcc	tagattttacc	ttcaccaggt	tagaatctat	atttattaaa	180
gttatatact	aa					192

<210> 8044

<211> 549

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8044

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gcgtttgcct	tgaaagcact	ctgtctcagc	tccggttgta	cgttagcaag	tctgttccag	120
gcttgctggg	ctgtcctgct	ccagtgcctat	gtgggatcgg	atgacgtttt	attcggctac	180
atagcctcca	accgcggcct	tcccatccgc	ggcattgac	gcatggtcgg	ccttcttctc	240
agcatcctcc	cacgtcgcgt	cagactctcc	ccttcagctt	cctctgtgtc	cgaacaagtg	300
cgagccattg	ccaagcatat	ccacgagcaa	ctgcacgatg	atctggaaca	ccatatgtcc	360
gccggaaaca	ctatggccga	ggtgatacag	cgcggtagat	gcattgagga	gctgttattc	420

cctttcgata	ccgccattaa	tttccggagt	cagccttccg	cagcggtgaa	ctcgggtctca	480
tccgatccca	catcgccctt	acagttcgct	gatgggcaag	accctatgcc	ggtaagtcac	540
ccaccttga						549

<210> 8045

<211> 573

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (478)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8045

tcctatttca	atccgtcgat	ctcttcgtgc	ttctcacatt	tctcagtatg	gatccattct	60
cgacagaagg	tggtagtgat	tgaccgattg	acttcccca	cctcatttcg	cagcctggga	120
aaagcaactc	aattgactcc	taatccccgc	agagctcatc	aacatccaca	atgccttcca	180
tcaaggccaa	taccagaacg	tgatcgactt	cgatacctcg	gccctctcac	cagacaacca	240
tctcacccgc	cgcacctcgc	agctccgcgc	ccagcttgcc	ctcggccaaa	ccgccgaagt	300
cctatccgcc	gtcagggcgc	aagaagaaaa	aaaccccgac	ctcgtcgcg	tgaaggcgct	360
ggcgcaactc	acggcgggcg	atgccgagtc	tgcactccag	ctgacacagg	aactggcgga	420
gaattatccg	gagaatgcct	cggtgcaggt	cctggggggg	acgggtgctgc	aggctcangg	480
ccggagcgag	gaggcgctgg	cggtcttgac	gaagcatcag	gggaatttgg	aggcgtgagt	540
ttctatttat	ccttcattca	gcctttttct	tga			573

<210> 8046

<211> 402

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (342)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8046

ctcctaattc	ccgcagagct	catcaacatc	cacaatgcct	tccatcaagg	ccaataccag	60
aacgtgatcg	acttcgatac	ctcggccctc	tcaccagaca	accatctcac	cgcccgcatc	120
ctgcagctcc	gcgcccagct	tgccctcggc	caaaccgcgc	aagtcctatc	cgccgtcgag	180
ggcgaagaag	aaaaaaaccc	cgacctcgct	gcggtgaagg	cgctggcgca	actcacggcg	240
ggcgatgccg	agtctgcact	ccagctgaca	caggaactgg	cggagaatta	tccggagaat	300
gcctcgggtg	aggtcctggg	ggggacgggtg	ctgcaggctc	anggccggag	cgaggaggcg	360
ctggcggtct	tgacgaagca	tcagggggaat	ttggaggcgt	ga		402

<210> 8047

<211> 456

<212> DNA

<213> A.fumigatus

<400> 8047

cgatccctag	gaacgggtgtt	attgctctcc	tcgaatcgta	acgaaccatt	gggtctgcga	60
caccagcagc	gacgaacatc	cgcattctct	ctacccaatg	tcattcccgg	ctctcgctct	120
togtcgcgca	cgacggcgcc	ccagccaaaa	aagacggcag	acggtcgaat	tgttctcaat	180
ccgcagccag	acgattccgt	taacgacccg	ctgaactggc	ccatgtggcg	gcgcgatgct	240
gcgttgctat	ccttgggctt	ctactgctta	atgggaggag	gaatgacacc	cattcttgcc	300

gctgggttca	accaagtctc	tgaaaagctac	ggtgtgagca	ctcagaaagt	agcctacacc	360
accgggttat	acatgttggg	tctcggagtc	ggatcgggta	tcatgtcgcc	gaccgcaata	420
ttatggggaa	agcgaccagt	ctatctccta	ggggct			456

<210> 8048

<211> 261

<212> DNA

<213> A.fumigatus

<400> 8048

gggcatcatg	gatgcctggg	gtgggatcct	tctgacctac	aagggcaagc	ctcagggtag	60
gtagcgatat	ctgatttatc	acgtttgact	tattctaata	atgtcgcagc	cgctcagctc	120
cagccctacg	tcgagtcgat	tttccagctc	ctccacatta	tctctcagga	catgagccgc	180
agtgagggtc	tcatgagggc	atctatgggt	gttcttgggt	atggcttctc	tgtttcctcc	240
ttttttttgc	caattttcta	a				261

<210> 8049

<211> 582

<212> DNA

<213> A.fumigatus

<400> 8049

ggtgctcaac	tcgttcgtca	ccaacgccgc	gaacgacagc	ctgcccctgg	tcgcgacact	60
gtccgatgtt	atgatccagc	gtctggaaca	gaccattccc	atgcaacaac	aggtcgtcag	120
tgtcagggat	cgtatcaccc	tcgaggagat	gcaaacctca	ttgaccagtg	tactcctggg	180
aaggattccc	gatgcgcctc	ggcgggtatat	ccattgctaa	ctcgttggca	ggctattggt	240
cagcgtcttg	aaacggagat	caagccccag	gcggaccgca	tcatgcatgt	catgctccag	300
gttctctcca	ccgttccccc	caagtccagt	gttcctgacg	tggtgttcgc	cactgtgggt	360
gctatcgcca	gcgctctcga	ggaggagttc	gtcaaataca	tggaatcctt	cactcctttc	420
ctatacaaac	ctctcggaaa	ccaggaagag	ccagccctct	gctccatggc	cattggcctc	480
gtcagtgata	tcgcccgtgc	attgaacgag	aaggtccagc	cttactgcga	tgctttcatg	540
aactacctgc	tgaacaactt	gagggttaaga	catcaaggat	ga		582

<210> 8050

<211> 276

<212> DNA

<213> A.fumigatus

<400> 8050

gaagaatcac	tagctaatat	cgcgtcacag	agtgccacca	atcagcttaa	gcccgcgatt	60
ctcgaaacct	ttggagacat	tgcccagggt	atcgggactc	aatttgatgt	atacttgcc	120
gtcgtcgccc	aggtccttca	gcaggcatcg	gccgtcacag	ccagtaccga	cgtaactatg	180
gaaatgcttg	actacatcgt	ctcgtctcgt	gagggcatca	tggatgcctg	gggtgggagc	240
cttctgacct	acaagggcaa	gcctcagggt	acgtag			276

<210> 8051

<211> 507

<212> DNA

<213> A.fumigatus

<400> 8051

gaagcggcct	acgcgctcgg	gcgcgtttgt	gaattctgct	ctgagaccct	cgaccctgac	60
gtgcacctac	aaccccttat	tacttgccct	tttaacggtc	ttgctagtag	ccccaagatt	120
gccagttctt	gctgctgggc	tttgatgaac	gttgccgac	ggttcgccgg	tgatgtcggt	180
gctcacacca	acccactgtc	gaagcacttc	caggacagtg	ttaagtcctt	ccttaccctc	240
acagagaggc	aggatgccga	caaccagctc	cgcaccgctg	gatatgaggt	gctcaactcg	300

ttcgtcacca	acgccgcgaa	cgacagcctg	cccctgggtcg	cgacactgtc	cgatggtatg	360
atccagcgtc	tggaacagac	cattcccatg	caacaacagg	tcgtcagtg	cgaggatcgt	420
atcacccctcg	aggagatgca	aacctcattg	accagtgtac	tcctggtaag	gattcccgat	480
gcgcctcggc	ggtatatcca	ttgctaa				507

<210> 8052

<211> 198

<212> DNA

<213> A.fumigatus

<400> 8052

cgacctttca	gtgatctcgc	agatacgttc	cccaatggag	agttcgccag	cttcttccgc	60
aatgattggg	tcaccgcgct	tggttagggag	actaggaaca	accgggaata	cagcgctcgc	120
actattgaca	ccgctcggtg	gacacgcgag	caggtcaagc	gtcaggtcaa	catgtccacg	180
gcggctgcc	tggtttaa					198

<210> 8053

<211> 405

<212> DNA

<213> A.fumigatus

<400> 8053

cttaatgtta	aagaatccat	gaagtagcga	tcatacgcga	tgaaagagat	ctatgattgg	60
aattataaac	taattaaatt	ccgcgttagt	gatcaggtct	atgtccaact	gcactgtggc	120
tattccctac	taactaagca	agctaatac	aagctccaat	tgagaatgc	tggaactgtc	180
cgcgtattgg	aatgcgttgg	aagactcacc	tactgtatca	aactaccctc	tacatggaag	240
atccatctag	ttttgtccgt	cgcccacctt	gaacctgcgc	cggccacccc	taatccattc	300
caccatgagt	taccgaagcc	tcccgcgggt	gttgatgccg	aggtctaccc	tggtgaggat	360
aacatatata	aagttaaaca	cttgctggat	aagtatactg	tttag		405

<210> 8054

<211> 234

<212> DNA

<213> A.fumigatus

<400> 8054

ttaataactcc	tactaactat	aagactaaag	tattctatta	gttataatcc	acatttaaca	60
gtctgttttt	ccgtgcctat	tttaaccccc	ttaggcactt	atatactgac	cttaatatat	120
tatataaagg	gtttgggtgt	tatagtatat	catattcaga	ttaacaacca	ccacactaat	180
cttttaattc	cacccatata	tatagttatt	caacctatct	tattttcttag	ttaa	234

<210> 8055

<211> 267

<212> DNA

<213> A.fumigatus

<400> 8055

agaagggaga	cagtggaaact	gttccacttt	ttcctgctga	agcttattgg	agcccatctc	60
atctttgaac	ccattgcgcc	tagcaccac	tatccaactt	cgtcgattgg	tcaggatata	120
catgagagtt	ggctgaaatg	tttcaaaatc	aacgctgcct	atcacaagaa	tctctgcaac	180
tgctataaca	gtagctggaa	aaacttggct	gtgctagata	ttcaaaagca	gcaatgctat	240
agatggtcga	tggttcataa	aacctag				267

<210> 8056

<211> 558

<212> DNA

<213> *A.fumigatus*

<400> 8056

acagagttag	tctcaatctt	tgtagaggac	tgtctcacgt	acctggctga	gcgtctcgag	60
catcttcact	gtagtctcaa	aaccaacaca	tccatccgtg	atggagacac	catacttgag	120
cttctgcacc	tcgtcctccg	actgtggcgc	agcctgctta	ccctcgttga	tattactctc	180
aatcatgact	ccgtaaatgg	caggctcccc	agcagcgatc	tgggaggcaa	ctgcatcgat	240
caccttgggc	tggttacggt	aatccttttg	gctgttgccg	tgcgacgcat	cgatcatgat	300
actcggttgg	agattcttcg	ggtaagcctt	gattgtggac	gcgacagacg	cagcgtcgaa	360
gttggggccg	ctgtctctc	cacggtggat	aacgtgaaga	tgaggatttc	ctttcgtgtg	420
gacgatggct	gcaagacctt	gttcgggtgac	acctgcagac	agtcagcagc	agtaaattgga	480
tcgccgcgga	ctttactagc	ggacctaaaa	atgagtggag	agaggaggcg	ctcttcacgc	540
catcgcatgc	gatggtga					558

<210> 8057

<211> 522

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (183), (295)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8057

ggagaggagg	cgctcttcat	cgcacgcgat	gcgatggtga	tattaccoga	ggaccatttc	60
ttgaagccaa	tgggaaatga	caggcccag	actaactgcc	ggtggacctg	cgactctgtc	120
gtgcgcgccc	ctactgcacc	ccaggagtac	agatcggcca	gaaactgccg	agagatggtg	180
tcnagcacct	cgcaggccac	agggagaccg	agaacagtga	tgtcgaacag	caattacggg	240
caacctgcag	ctaacgggag	caactgatctt	ccagtttcag	ggatgcgcag	attgntaagg	300
tactttcaat	cccattgtga	cttggttggg	ggagtcgata	ttcggatagt	agagaaagcc	360
tttccagccc	accgtattcc	gcggtttttc	aaggtaggca	cgcacgacga	tcagaagatc	420
attgtcccat	ccgtgctcct	gaatggcggc	ctgcaggcgg	acagcgtagt	cgcgtgccac	480
gtcgggtatca	tgtatggagc	agggcccccac	gatgaccagt	aa		522

<210> 8058

<211> 450

<212> DNA

<213> *A.fumigatus*

<400> 8058

ctgtctgcag	gtgtcaccga	acaaggctctt	gcagccatcg	tccacacgaa	aggaaatcct	60
catcttcacg	ttatccaccg	tggaggagac	agcggcccca	acttcgacgc	tgcgtctgtc	120
gcgtccacaa	tcaaggctta	cccgaagaat	ctccaaccga	gtatcatgat	cgatgcgtcg	180
cacggcaaca	gccccaaagga	ttaccgtaac	cagcccaagg	tgatcgatgc	agttgcctcc	240
cagatcgctg	ctggggagcc	tgccattacc	ggagtcatga	ttgagagtaa	tatcaacgag	300
ggtaagcagg	ctgcgccaca	gtcggaggac	gaggtgcaga	agctcaagta	tggtgtctcc	360
atcacggatg	gatgtgttgg	ttttgagact	acagtgaaga	tgctcgagac	gctcagccag	420
gtacgtgaga	cagtcctcta	caaagattga				450

<210> 8059

<211> 447

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (447)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8059

caagatagca	gcccgcacac	tgcgcctcat	ctcctcgccg	gtagcattgt	gcctgagccc	60
tcgtcccttc	ttaaagacag	caatgttgca	gcctatgagc	ctctcattcc	gcctgcactt	120
ctgcttcacg	agattcccg	caccccgcc	tctcgacgca	cgatcgagtc	agcccgacag	180
ggagcagcgc	ggatcatcca	acggaacggc	gacgaccggt	tactgggtcat	cgtggggccc	240
tgctccatac	atgataccga	cgtggcacgc	gactacgctg	tccgcctgca	ggccgccatt	300
caggagcacg	gatgggacaa	tgatcttctg	atcgatcatgc	gtgcctacct	tgaaaaaccg	360
cggaatacgg	tgggctggaa	aggctttctc	tactatccga	atatcgactc	caccaaccaa	420
gtcaacatgg	gattgaaagt	accttan				447

<210> 8060

<211> 498

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (51)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8060

ttgctgttcg	acatcactgt	tctcggtctc	cctgtggcct	gcgaggtgct	ngacaccatc	60
tctcggcagt	ttctggccga	tctgtactcc	tgggggtgcag	tagggggcgcg	cacgacagag	120
tgcaggtcc	accggcagtt	agtctcgggc	ctgtcatttc	ccattggcct	caagaatggg	180
tcctcgggta	atatcaccat	cgcattcgat	gcatgaaga	gcgcctcctc	tcctcactca	240
tttttaggtc	cgctagtaaa	gtccgcggcg	atccatttac	tgctgtgac	tgtctgcagg	300
tgtcaccgaa	caaggtcttg	cagccatcgt	ccacacgaaa	ggaaatcctc	atcttcacgt	360
tatccaccgt	ggaggagaca	gcggcccca	cttcgacgct	gcgtctgtcg	cgtccacaat	420
caaggcttac	ccgaagaatc	tccaaccgag	tatcatgatc	gatgcgtcgc	acggcaacag	480
ccaaaaggat	taccgtaa					498

<210> 8061

<211> 219

<212> DNA

<213> *A.fumigatus*

<400> 8061

atgagctgg	ctcctctcct	aagaaacgca	ctccgatcac	agtctcgttc	tactttcata	60
cgagtccac	agcgcacttt	ctcctcttct	atatcccaaa	tggctccatt	caccctctac	120
actcacgcc	gtaaagcctt	ctttcctgtg	gaccaggaag	tctttgatga	atggctgcag	180
gccccggacc	caacctgtc	aagtggccat	tggccctga			219

<210> 8062

<211> 891

<212> DNA

<213> *A.fumigatus*

<400> 8062

ttatttgata	gcgtcgaccg	gaataaatac	cagatcatgt	tacccttcc	tcctaagatc	60
gacctagcg	tgacgatgat	gacggctgaa	gacaagccgg	acgtgacct	cggcgatgtt	120
ggtggatgca	aggagcagat	cgagaagctg	agagaagttg	tcgaaatgcc	tttgctgtca	180
ccggaacgat	tcgtcaacct	cggatcatgt	ccgccaag	gcgcgctgct	gtacggtcct	240

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cccggtaccg gcaagaccct ctgcgctcga gcagtcgcta accggacgga cgccaccttc 300
atccgtgtta ttggtagcga gttggttcaa aagtacgttg gtgaggggtgc acgaatggtt 360
cgagaacttt ttgagatggc ccgtaccaag aaggcgtgca tcatcttctt tgacgaaatc 420
gacgcggtcg gcggtgctcg ttctgatgat ggagctgggtg gtgacaacga ggttcagcgt 480
actatgcttg agttgattac acagctggat ggttttgatg cccgtggtaa cattaaggctc 540
atgtttgcaa ccaaccgacc gtgcaccttg gatcctgccc tgatgcgtcc tggtcgtatt 600
gaccgcaaga tccaattctc gtttcccgat gtggaagggtc gcgccaacat cctccgcatt 660
catgccaaaga gtatgtcagt cgaaagagac atccgggtggg agctgatctc ccgactatgt 720
cctaattgcta ccggtgcgga actacggagt gttgccacag aagctggcat gtttgcgatc 780
cgggcgcggc ggaagggttg cagagagaag gacttcctgg ctgctgtgga caaggctcatc 840
aagggaacc ttaagttcaa ctgcacggcg acatacatgc agtacaatta g 891

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<210> 8063

<211> 399

<212> DNA

<213> A.fumigatus

<400> 8063

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cattcaagta ctcaagacat acggcgccgc tccatacgcg accgcattaa agaagctcga 60
aaaacagatc aaggacaaac aagcgagtgt aaacgagaag attggcgta aggtttgttg 120
aacctagtgc tttgttatct ccggaccttg gctgacttca gacaggaatc cgacaccggt 180
cttgcacctc cacacatttg ggatgttgct gcagataggc aacgcattggc ggaggaacag 240
ccattgcagg tggctcgtcg tacaaagatc atttccgacg agaaagatcc cgataagagc 300
aaatatgtca tcaacgtcaa gcagatcgcc aagtttgctg tgaatttagg ggagagagtg 360
agcccgacgg atatcgaaga aggcattgaga gtcgggtaa 399

```

<210> 8064

<211> 498

<212> DNA

<213> A.fumigatus

<400> 8064

```

catactcttg gcatgaatgc ggaggatgtt ggcgcgacct tccacatcgg gaagcgagaa 60
ttcgatcttg cggatcaatac gaccaggacg catcagggca ggatccaagg tcgacgggtcg 120
gttggttgca aacatgacct taatgttacc acgggcatca aaaccatcca gctgtgtaat 180
caactcaagc atagtacgct gaacctcgtt gtcaccacca gctccatcat cgaaacgagc 240
accgcccacc gcgtcgattt cgtcaaagaa gatgatgcac gccttcttgg tacggggccat 300
ctcaaaaagt tctcgaacca ttctgtgcacc ctaccaaagc tacttttgaa ccaactcgct 360
accaataaca cggatgaagg tggcgctcgt ccggttagcg actgctcgag cgcagagggt 420
cttgccggta ccgggaggac cgtacagcag cgcgcccttg ggcggtatcg taccgaggtt 480
gacgaatcgt tccggtga 498

```

<210> 8065

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8065

```

accaactcgc taccaataac acggatgaag gtggcgctccg tccggtttagc gactgctcga 60
gcgcagaggg tcttgccggt accgggagga ccgtacagca gcgcgccctt gggcggatcg 120
ataccgaggt tgacgaatcg ttccggtgac agcaaaggca tttcgacaac ttctctcagc 180
ttctcgatct gctccttgca tccaccaaca tcgccgtag 219

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<210> 8066

<211> 240

<212> DNA

<213> A.fumigatus

<400> 8066

catgactttg	gatgtcctgt	agtccaggca	ctgacccttg	acaccccaga	aaagcccaag	60
caattcttgc	acattgtaag	tatcatgcaa	gtgtcttcac	agtttgattt	aaggttggga	120
gatatggcaa	cttcttttgg	cctttttggc	actactgcta	ccatctctct	tggcactaac	180
ggcaaataca	tctattctctg	tcctgttgta	tccatctgtt	cccccgtag	catcagctga	240

<210> 8067

<211> 1386

<212> DNA

<213> A.fumigatus

<400> 8067

atacccttg	atgggaattc	caggagccaa	cttggttga	aacctggga	cgtgcgaaga	60
tttattccag	gcgtatcgga	agtccggagt	cgcctgaagt	cagttacaaa	gtccggcgtg	120
tcaatttttg	aagggtataa	ggagcatgtt	cgggacttgt	ggtttccccg	aaccgaccct	180
cctcattacc	ttcgcatccg	cgagtctccc	tcagagggcc	cctatgtcaa	agatcttaca	240
gaggttactg	tcaggaacta	caacgaactg	atgaagtaca	tgcgcaaggg	tgacatgtct	300
cgcacagtgc	cgagcaccaa	gatgaatgac	acatcttcca	ggtcgcacgc	tgtgttcacc	360
atcaccttga	agcagataca	ccacgatctt	tcgacagatg	agacgactga	acgcacggcc	420
cgaatacgcc	tagtcgatct	tgcaggatct	gaacgagcca	agtcaaccga	agctactggg	480
caacgactcc	gggaagggtc	caacatcaac	aagtcgctca	ctactctggg	cagagtcatt	540
gcagcttttg	cggatcctag	acatggacgt	tctggaaagc	gcaaaggaaa	ggacgtgggtg	600
ccgtacagag	actcaatact	gacgtggctg	ctcaaggaca	gtcttggagg	aaactcgaag	660
accgcaatga	tcgcatgcat	ttctccctca	gactatgagg	aaacctgtc	cacctcgcgc	720
tacgcagacc	aagcgaagcg	tattcgcact	cgtgctcgta	ttaatcagga	ccaaatgtca	780
gccgcggagc	gtgataagca	aattgcagaa	atggcggaaa	ctatccgagc	ccttcagctc	840
agcgtaaagc	tggccgctgc	taacaggagg	gagaccgaga	ttcagaacga	gcgacttgaa	900
gtctaccagc	aaaaggtaga	gaagatgcag	agacttatgg	aagagaccaa	gatggtcagt	960
gagtgcgaaga	tccggcagct	gcagaccgaa	aatgaagcgc	tgcgcaatca	tctaaagctt	1020
gcactggaca	gcctcaagaa	tcccataccc	ctggtaacaa	ttgaaaagcg	caaaagtggc	1080
ttatctgcct	ggggagaaca	caatggcaac	acagatgacg	gtatcaacga	gacccggcct	1140
cagtcaccga	tttctgatgc	aggaccggag	cccgatctca	tctgggaaga	tgatgacacc	1200
atcctcatgc	aggctagcca	ggtcaaggct	caggaaatgc	aggctgacat	ggaagacttg	1260
ctggtggatt	tgaacatgtt	caagcgcaaa	ctggccaccg	accatgaacg	atttcgattc	1320
atccagaagc	acgaaactcg	caggagacgc	cgtgcgttgc	aagttgtttt	ggccaacaat	1380
cgctag						1386

<210> 8068

<211> 234

<212> DNA

<213> A.fumigatus

<400> 8068

atgattgcgc	agcgcttcat	tttcggtctg	cagctgccgg	atcttgcact	cactgaccat	60
cttgggtctct	tcataaagtc	tctgcatctt	ctctaccttt	tgttggtaga	cttcaagtcg	120
ctcggtctga	atctcggtct	ccctcctgtt	agcagcggcc	aggcttacgc	tgagctgaag	180
ggctcggata	gtttccgcc	tttctgcaat	ttgcttatca	cgctccggcg	ctga	234

<210> 8069

<211> 558

<212> DNA

<213> A.fumigatus

<400> 8069

tccccgctat	tgaccatgtc	cgacaacagc	gcgaagcggg	gcactggcga	gaaatcccc	60
aacgacccca	gaaaacaggc	cgactctcgc	aagagtgacc	cagagagtca	aaactctccg	120
tctcttgcta	atcgatttca	aaattccgca	gcgggtctgg	catggagtgc	ttttaatgca	180
gctgggtcat	cgcgagcgc	agcgcaggtg	tttggaagcg	gcagcaaagc	cggaccatcg	240
tctcggcat	cgctctcgc	cctagcagca	gcagaacagt	acagagagac	cgcgaccct	300
acttctcga	atcgagtttt	ggccaatcac	cctgcagcat	catttcgctc	atcgtcggca	360
ggtcaacagg	gtgcattcga	gtctccaccc	ctcactgagg	atgaattcca	gtgcacatac	420
gatgaaagcc	aagtacacga	cagaatcgac	tttctctctt	caacagaaac	ggaaacagac	480
acagagaaaag	gcaaaggcaa	agcaagcgaa	gcactatctg	ccgtcttcac	cccggagctg	540
gcaggaacgc	gcttatgt					558

<210> 8070

<211> 666

<212> DNA

<213> A.fumigatus

<400> 8070

ttacactgtt	tacgatatcg	tgtcgccgcg	tgggacgccc	taccttgctt	tcatgtgttg	60
gattgggatg	taagaaaccc	cctttgcttt	ggtgactctt	atacttgctc	tgactgtcga	120
agctggtcgt	tgattatgca	ttggattttg	gccatcacca	acgcgtgcaa	tggtctgact	180
tatgtcacc	gcttttcgtg	tgatatcttc	gggttttacg	tggtcttcac	ctacttgacg	240
aaagggattc	aggtcctgac	ccgacaatgg	gttcagggtcg	gggaggcctc	cgcctacctg	300
agtattatgg	ttgcccttct	tgtcctcatg	agtggatggg	tttgccggaca	actcggtagc	360
agcacgctgt	tccagagata	tgtccgcaaa	ttcttgaggg	attacggtag	accgttgact	420
atcattttct	tactgggatt	cgctccacatt	ggccatatgc	gggatgttga	agttgcgacc	480
ttgcccacca	gtaaagcctt	ctttcccacg	gctgatcgtg	actgggttgg	ggatttctgg	540
aatatcagtg	tcggagacgt	cttctctgcc	attccatttg	cccttcttct	gaccattctg	600
ttctacttct	accacaatgg	tgggttctca	ctttctgaag	ggtatcacc	gaaccatagt	660
ggctga						666

<210> 8071

<211> 228

<212> DNA

<213> A.fumigatus

<400> 8071

ggctcttctt	gcctctgttt	tgggggctgt	tgtttttgctg	gtctttgctg	cgcagccttt	60
ggttattgtt	ggtgttactg	gtgggtttgt	tccgattctg	ggggtgtg	tcatgatgct	120
cacctgtatt	gcgcaggtcc	gattacgggtg	tttaattaca	ctgtttacga	tatcgtgtcg	180
ccgcgtggga	cgcctacct	tgctttcatg	tgttggttg	ggatgtaa		228

<210> 8072

<211> 447

<212> DNA

<213> A.fumigatus

<400> 8072

agtgtacaag	tgtaccattg	tactccgtac	aaaatgcaga	gaaaccgtcg	agcctcacac	60
acttctgctc	gtgaagagga	caccgtcttc	tcgaggtcaa	atctacaccc	gacaacctcg	120
catggctcgg	tccactcatc	tactcccag	cggaattctt	ggcagtcag	acctccgcac	180
gcccgcagg	gaagtggcca	atcgactcc	cagcgtctcc	agcatcagca	tggcgggtgc	240
tcccattggc	agcagggtgc	ggagggtctg	tcgggggtgc	agactggcgc	gtcgtctgctg	300
cggacgagca	ggtgggtggc	gtaaggctc	ttccgcggca	tgatcaaaga	tatcaagcgg	360
agggcgccgt	tctactggag	tgattggact	gatgcgtggg	attatcgctg	tatcccggct	420
actgtttata	tgtattttgc	caagtaa				447

<210> 8073
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 8073
 ggctttttttt tttgtccagg ctattgcgga gtagaagaga aactgactg gtgcagtatt 60
 ctgcctgctc tggcggttctc gctggatatg ttcgagaaga cgaagcagag ttatggggtt 120
 aatgaggtcc ttcttgctc tgttttgggg gctgttggtt ttgcggtctt tgctgcgcag 180
 cctttgggta ttgttggtgt tactgggtggg ttgtttccga ttctgggggc tgtgctcatg 240
 atgctcacct gtattgcgca ggtccgatta cgggtgttta ttacactgtt tacgatatcg 300
 tgtcgccgcg tgggacgcc taccttgctt tcatgtgttg gattgggatg taagaaaccc 360
 cctttgcttt ggtga 375

<210> 8074
 <211> 270
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (142)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8074
 tggctgacat actgcttagt gtcatactg attgcgcagg gaacagagtt ccctctacgc 60
 aaacccgccg gcttccactg ggatatctgg ctgctgggac taaccacctt catagctgga 120
 atttctcggtc ttccattccc cnatggactg atccccagg cacatttcca cacagctgca 180
 ggttgcggtta caggcgact ggccgctgtc ttgacgacga gaaaaagggg gagaaagaga 240
 agaaaggaaa aaagaaaaaa aaaaaaatga 270

<210> 8075
 <211> 615
 <212> DNA
 <213> A.fumigatus

<400> 8075
 ggaggatgtc aattacggct tgtgtcaaata tatatactg gctccagggt cgagaacata 60
 tatcgtgacc tcaacgtcgc atatgaacct tcaagcgggg tcggttacct gccatgcaag 120
 ttggcgggaa acaacataaa tataacatat actttttctt ctccgaatat cacggttatg 180
 attgatgagc ttctcttgga cgcgggacac ctctgttttc gggatggtgc acgtgcatgt 240
 atctttggaa ttgtccccgc cggagacagt actgcggttc tgggtgacac attcttgccg 300
 agtgcatatg tcgtatatga catagccaac aacgagatat ctattgcaa cacaacttc 360
 aactcgacag aggacaacat attggaaatt ggcgttgga ctgattctgt cccagtgcc 420
 acccagggtt ctcatccggt tacatcagtt gtagctgatg gctccggagc aagaattggg 480
 gcgcccacag gtgcattctt aacgacagt ccgtcaataa gctcggcggg tgctctatca 540
 gcaggggttg caagagccga taagcagtac ctggccatcg ccttgatagc tgtttggttt 600
 gtgctgggtt tgtga 615

<210> 8076
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 8076
 tccattggta gccttcaagg tgggaagggt ttcacggagg aggagcggat cctcatcctt 60

gaacgagtc	ggagtaacaa	cgcaggctca	gagaaccgtc	acttcaagt	gtaccaagtc	120
cgggaggctc	tctgttcata	ccatttctgg	tttatattct	ttctctccat	gttatccagc	180
gttggcagcg	gggcagtcac	cacattcggc	tccattatct	tcaatggaat	ggggttcact	240
gtcttccagt	ccttgttact	aaacatgcc	atcgggtgcat	tggcctttat	ttgcatccta	300
gggtctgggt	acattgggcg	aaagggtccc	aactcacgcc	tgtacgtttt	gagtgggtgca	360
tgtgtgcctg	ttatactagg	gagctgttta	atgtatgtgt	ccttcaatgt	tgacacgggg	420
aatattactt	ga					432

<210> 8077

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8077

gtcagatggc	aacttccctc	ctcccagcgc	gccggacgca	tcacgcgatt	ctatctcatc	60
aatttctttt	cctctgcctg	ggttcagtg	atcgccatgg	gaacgtccaa	cgtggccggg	120
cacacaaaga	aggcgacgat	ggctgcagg	acgttcgctg	ggtagctcgt	gggaaatc	180
attggtcctc	ttacatttga	tgcgttaa				207

<210> 8078

<211> 1428

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1424)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8078

gccacccgga	aggaaaaaac	cccccaaaag	ttctgcgctg	cagagcaacc	ctcattgggt	60
gggcagaaaag	acatcttcgg	aatcaaggca	acatcggcga	aaccagagaa	actgagtgtg	120
attattccaa	gcagtgtctc	tcccgggtcat	cttgcaaata	attctaccca	gccgtcattg	180
gaccacgcag	ttccagttag	acacaagccg	tgccttaatt	cttcgcactc	aaagactgcc	240
agcaaagttaa	gggcacaggc	ggtggagcaa	gggcccagg	aattcgctag	tttacgaaat	300
acagtcaaca	ctcaaaatct	acctcctccg	accccgatta	atgcacgggc	tagtagcccc	360
tgcacaagat	attctggttc	tccgggtata	tggagcagga	cttcaactcc	cacctcactg	420
tcaccttatt	cccttgggat	tatccattct	gcgaaggctg	gtcctcgctt	caggcaccgc	480
agcccttccg	agtctagact	ctccatcttc	tcacctataa	tcctgaagtc	cgattcacaa	540
gatgatccat	tggattcagg	tggtagcggg	tttccgagca	taactgctgg	cgcagggtta	600
cacacgctgt	caatgtcaac	gaagactcaa	tccgacaatc	ctcccaacag	agatgggtcc	660
gcgaagcctg	ctaccccgcc	tgaaaatcaa	ctgccgacta	aatcatcgac	acagtccagc	720
ctgccaagaa	tgactcgatc	aaaccttgcg	gagaattcag	aggcatatga	ggagcaaagc	780
agaggtgctt	ccgggggatcg	cgggaatctc	aaaggatcgg	cattaaaaag	cgagggtcagt	840
ggttcagggc	atgtaccttc	aagaccaggt	agggagggtta	ctcaccgggt	agagcttgaa	900
ccgtcacctg	tgattcgtag	caacctccct	cctggcgctg	tggcgagtca	taggagacat	960
ggatccgggg	ctagctccgt	cgcgttgggg	agaagtcatt	ttgcctcaaa	cgcttgcgct	1020
gccacctcag	ttgattcctt	gcagtcaagg	tcttctgccc	gaccgccttc	actcataccc	1080
agctcaccag	agtcgatgcg	caaatcgccg	cgaactttgt	taaaagaacc	taaaacaaaa	1140
caggatgcga	tgagccccgc	gaaaccacgg	agttacggtc	tcttttcgaa	gaagtcaaag	1200
tctgagatgg	aagtacaaaa	acttgaggat	cgacacattc	gcaagggtcc	agcagctggg	1260
acaggccatg	agggttatgg	gagatatgca	cagcgtggtc	ggaagggaac	tgtcggcagc	1320
aacagcgata	caagagcaag	atcaacgagc	accaatcgca	gcacaccgcg	atcggcctcc	1380
agtcttcaact	acgaggctgc	cgaatccgcc	gcttgggtgtc	tcnncact		1428

<210> 8079

<211> 1788

<212> DNA

<213> *A.fumigatus*

<400> 8079

ttgggggata	tcggggccaa	agggggggga	gggggaacaa	ggccaggggg	ggaattcctt	60
cgggaggggg	ccaaaaaggt	ttcaggaagt	acggaatttc	acgacggcgg	atgccatctg	120
gaaccctggt	ccttcagctg	ggcggtatcc	ggcgcttg	tggaaataca	gcaggacatt	180
cctgccacag	aaaggcaaag	tgattcaact	cagaacctgc	gaatggcttt	gctcaaatca	240
tcagaacgac	gaattttctc	tattgtatca	tcgagccaga	tgtcaatgtc	caaccgttct	300
caactatcgc	tgattgcac	aagacaactg	gataaaagac	tggagggaaa	ttccacgact	360
gacacgagcc	aactccgaga	tctccgtata	ctctataacc	atgctggaat	acccttgcca	420
tggaatcatt	caatatacgt	acgcaaatgc	aaccgtatgt	tctgtctatt	cccgaagcgc	480
aatatggtga	tgcgacaaaa	tctctccatg	ccatgtcttt	taagtacaga	accgggtcac	540
tcaagactcg	tcgatcgctc	agaaggatgt	tatgctggta	agaatttcag	acatggggaa	600
gttggttctc	attcggctca	aaagagacct	cgtgctcttg	cgtaccagat	gtggtcggct	660
cgcattggaac	ttcaaacgtc	aaaatgcac	cgttacaacc	agagcccgct	tctcggtcct	720
ccagggagcc	ccgaatctgg	acttattggc	agtttctcgt	ctgaacacgc	cgcgttggtg	780
gactttatcc	caaggacctt	tggaagatgt	atcgccgac	catccgacgc	agccagtcgc	840
gcgggatgca	tgaacaaca	cgttgatcac	gacaaaggcg	acatgtcgca	ggaaagcgca	900
caagatttcg	aagctgaaca	cagacgctat	aagccacaac	ttcgcatcga	taatagttca	960
tgctgaagtg	cagaagtcag	agattcgggg	cttcaggtcg	cgcctcctgg	agccgttcag	1020
agctctccac	gctcagatag	tgcagagaga	ccacggagct	cggacaaaac	caacaagacc	1080
aagaagctgc	ggaagagaca	tcaatcaaca	gctaggcacg	tggcacatgg	agaggtacat	1140
ttacgaagtc	taagcacctg	ggaggcgagg	ctagcgcacg	acctggatcg	aagattggaa	1200
tggctcttcc	accagcttag	tcttggtcgt	aggccttttc	actttgcttt	gcttgccaat	1260
caactggctaa	atagagagac	atgggttgta	ctcgatccaa	tttcacgggt	tcccattcaa	1320
gcaagacgtc	tttggggaga	tccacgattt	aattccccat	acccaatacc	tcgctgggga	1380
ccgagaccca	aatatcccga	gagcccttgc	aaaacagcca	acagacctca	tttgaattcc	1440
tggagggtcg	ctgtcaatcg	caatcgacgg	gcacaggac	ttcaagacat	cgtcaagggc	1500
ctcgcgttac	ttgaagattc	cgcagatgaa	ccaccggatg	ggaaagtcga	tccagcaagc	1560
tggattcttc	gaaggccccc	gcaaggtttt	gcgaggtaaa	tcacgcagca	agataagtac	1620
ttcgaaggag	gagcaggttg	gcaagagacc	ctcggtgact	ggcaaagggt	gcgccgtggt	1680
tatcgaatac	gtaaagcaat	ctatgaagga	agaaccaatc	gaagccggac	gaaggagata	1740
gcggttgga	ttctctgtta	cttcaggcc	atcacaaatg	aaccttga		1788

<210> 8080

<211> 789

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (236), (244)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8080

gggaatgctt	tccagacaag	cttcagcca	attccattgc	caagggttgg	actgccaagt	60
cggggaaata	taaagcaaga	atttaccctg	aatacgaaca	aaaccgttaa	atcaaggaaa	120
gcacaagccg	atctattccc	agataatgtc	tcgcgcattc	tcttatatga	accttgctca	180
cgtgagggtg	aacgaagtgc	tacttggttg	agtacaaaag	gcaaagggga	gcacancctc	240
gagnacatcc	atgactttgt	cttcogactt	cctgttctag	aataccggaa	caagacatgg	300
tccaatttgg	atttggtctt	gcgactgaag	aaggatgtca	tcaaggcttt	gatatctcac	360
gcacccgcga	tacttggtgaa	caagttttct	catcatcgac	cttcaaagca	acaactgaaa	420
cgtaccgcg	agggttgccag	tccatctcag	ctacttcaga	accaggacag	tgcatacaat	480
gccccgtcgg	gcaaaaccca	gagcctagcg	agttatgact	cgaacagcga	acattcagag	540

tcgacgtctc	aacgctcagt	tcactcagga	acctccccac	ttgcgcgac	acaatcctta	600
ggctcaagta	tgcttagcat	ccaggatcaa	ggcataccat	ttgactcgcg	ctctgcgagt	660
gaagtggatg	tcgatgctcg	ctgggaggta	tgtctctaca	caatgtcgta	caagttttaga	720
gaacggttaa	aagctaacca	ccaccttagc	aatctcgtag	gattgtcaat	cctcccaacc	780
gaccactaa						789

<210> 8081
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 8081						
accctgcttg	atcaaaaactt	ccgggtggagt	cataaagata	aagagccttc	ggtgttttttc	60
gatgccaaaa	atgtccatcg	acaattgctc	acgatacctaa	ttgggtgatac	ccccaagtgtt	120
attttgtatt	ttcatTTTTgt	atatTTTTcaa	accttcaccc	aaagtttcag	gcagcgccac	180
tga						183

<210> 8082
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 8082						
gattcatccc	ctcaggaaga	cactgatctc	gtatctgtta	caattgtcgt	tccttttatt	60
cactctccct	catttcacag	aatgcaccca	acgaataccg	ccgcatggca	gattgccgaa	120
aaagccaagc	ctctggaggt	caggccccgc	gcctacactc	ctcctaagga	gaatgagatc	180
gttgtcaaga	atagcgctat	cggcctggtc	ttcaccacgg	ggctggaagg	agccgcgcca	240

<210> 8083
 <211> 636
 <212> DNA
 <213> A.fumigatus

<400> 8083						
ttgtttgcct	ctacggaggt	tcaattgctg	tttgtttgtc	tgattgctta	cttgtccatc	60
gtttacattc	agagatctcg	ggtattagca	gtctccaccc	cgacattgtc	catcatgcgt	120
ttcaacgcag	ctatcactgg	cgctctcgtc	tcttcggcca	ctttgatggg	ccaagctcat	180
gctgaggaga	ctgagaagaa	ggctgacgct	acttcgctcg	ttgagaagcc	taccttcacc	240
gtaagtaaca	tcctgtcaat	ccagtactcc	ccaccgtcgc	tcctcgtcgc	tgacgatcaa	300
ctctctatta	gcctactacc	atcgaagctc	ccttcctcga	gcaatttacc	gccgattggg	360
actcgagatg	gacccctctc	cacgccaaga	aggaggactc	caagtcggag	gaggattggg	420
cctacgtcgg	tgaatgggct	gtcgaggagc	ctaccgtgct	caacggcatg	gttggcgaca	480
agggctctgg	tgtcaagaac	gtcgcggctc	accatgccat	ctctgcgaag	ttccccaaga	540
agatcgacaa	caagggcaag	accttggttg	ttcagtatga	ggttaagcca	cagagtaggt	600
catatcagct	cctggctatg	gcattggagt	tactga			636

<210> 8084
 <211> 810
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (696)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8084
gtcaagggtcc tctacgaatt ctcaattaca atacttcagg ttcacttcat tttccgtcac 60
aagaatccca agaccggcga atacgaggag aagcacatga cagcgctcc tgccgctcgt 120
accaccaagc tcaccacggt gtacactttg attgtcaagc ccatcagtc cttccagatt 180
ctgattgacg gtgaggctgt caagaacggt accctgcttg aggacttcgc cccccctgtc 240
aaccgggaga aggagatcga cgaccccaag gacaagaagc ccgccgattg gggtgacgaa 300
gccaagattc ccgaccggga ggccaagaag cctgatgact gggatgaaga cgctccttat 360
gagatcgtgg atgaggaggc tactatgccc gaggactggc ttgaggacga gccaccagt 420
attcctgac ccgaggccga gaagcccgag gactgggatg acgaggagga tgggtgactgg 480
attcctccta ctgttcctaa cccaagtgc aacgaagtct ccgatgtgg cccctggact 540
cctcccatga agaagaacct cgcttacaag ggcaagtgga ccgctccttt gattgacaac 600
ccgcctaca agggcatttg gaaaccttgc aagatcccca acccgccta cttcgaggac 660
aagactcctt ctaacttcga gcctatgggc gcttgnaagt ttcttgattc ttgcgtttgc 720
agttgggtgc ttcggtctga caagccaacc aagttgggtt tcgagatctt ggaccatgcc 780
aaaaccaatt tcttttttga aaaccattaa 810

<210> 8085

<211> 192

<212> DNA

<213> *A.fumigatus*

<400> 8085
gtcatatcag ctcttggtca tggcatggag tgtactgaca cctgtcttca aaaagactcc 60
cttgttttgc gcggtgctca catgaagctt ttgcaggaga acaagaagct tcacgccgag 120
gagttttcca acgcgactcc ctacgtgatc atgttcggtc ccgacaagtg cgggtgctacc 180
aacaaggtat ga 192

<210> 8086

<211> 372

<212> DNA

<213> *A.fumigatus*

<400> 8086
cctactacca tcgaagctcc ctctctcgag caatttaccg ccgattggga ctogagatgg 60
acccctctc acgccaagaa ggaggactcc aagtcggagg aggattgggc ctacgtcggg 120
gaatgggctg tcgaggagcc taccgtgctc aacggcatgg ttggcgacaa ggggtctgggt 180
gtcaagaacg tcgcggctca ccatgccatc tctgcgaagt tccccaagaa gatcgacaac 240
aaggccaaga ccttggttgt tcagtatgag gttaagccac agagttaggtc atatcagctc 300
ctggctatgg catggagtgt actgacacct gtcttcaaaa agactccctt gtttgccggcg 360
gtgcctacat ga 372

<210> 8087

<211> 354

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (176), (207)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8087
acctccaatt gtcacagcgc tcaagcttgc agcatggctc aagaaattga aaaaaccaac 60
aatgaccatc tgggtccagtc ctctgaccca gagcaccgcc caaacctgat tcttgagctc 120
tgccgcaaat tctacaattg ggggttgggtc actggtactg gtgggtggagt gagtantcac 180
gtttctggcc gcgaaaagat actgacnaga gcacatattg aatttataaa actccgatcc 240

gtccccgcga accataatth ttattggcac cttccagaag ttcccaaaag gaattggaat 300
ccaccgcgga ccaatatact ttgttccttg aagttccctc aatccccaaa ttac 354

<210> 8088
<211> 510
<212> DNA
<213> A.fumigatus

<400> 8088
tccattcggt gccatctgc ctcttcatct accatcaatc tctaccaaatt ttgcctccac 60
aatggcctcc aaccgcgccc tgcctatcct cgaccacgcc gcctcaaacc actacggcgt 120
gccggccatg tgctgtaca acctggaagg catcctggcc accgtccgcg ccgccaagc 180
caagcgctcg ccagcgatga tctctctctt cccctgggcc atccactacg ccgacgggct 240
gctcgtgcac gccgcggccg aagcagcccg caaagcatcc gtgcccacg ccgtacacat 300
ggaccacgcy caaaccctcg agatcatccg ctacgccgcc gacctgggcy gcttcgacag 360
catcatggtc gacatgagcc actacgacaa ggaagaaaac ctgcgtctca cgcgggaact 420
ggtagcctac tgccacgagc gggggatcgc gacggaggcg gagcccgcc ggatcgaggg 480
cggggaggac ggagtcgcyg acacggctga 510

<210> 8089
<211> 954
<212> DNA
<213> A.fumigatus

<400> 8089
aggcatatat cccgtgcacc tagaattctt tgtactaatc cattcggtgc ccatctgcct 60
cttcatctac catcaatctc taccaaatth gccctcaca tggcctccaa ccgcgcctc 120
gccatcctcg accacgccg ctcaaaccac tacggcgtgc cggccatgtg ctgctacaac 180
ctggaaggca tcttgccac cgtccgcgcc gccgaagcca agcgtccgcy agcgatgac 240
ctctcttcc cctgggccat ccaactacgc gacgggctgc tctgacgc cycgccgaa 300
gcagcccgca aagcatccgt gcccatcgcc gtacacatgg accacgcgca aaccctcgag 360
atcatccgct acgcccgcga cctgggcggc ttcgacagca tcatggctga catgagccac 420
tacgacaagg aagaaaacct gcgtctcacg cgggaactgg tagcctactg ccacgagcy 480
gggatcgcy cggaggcgga gcccgccgcy atcgaggcy gggaggagcy agtcgcygac 540
acggctgacc tcgaaggcct cctgacgact cctgaggaga gccgcgagtt cgcggacacg 600
gggattgact ggctggctcc ggctttggg aacgtgcacg gcgagtatgg gccgcggggg 660
atccgctgg agtatgatcg gttgaagagc attcaggagg cgggtggggga tccgggtcaag 720
cttgtgctgc acggggcgga tccgttcacg ccggagatct ttgcccagtg cattgagtgt 780
ggggtgtcca aggtgaatct caacaagggt ttgaataatg agtatgtgc ggtgcagcgc 840
gagaaatcgg ggcgggcgcc cttgacggct gtgctggagg aggcaacgaa tgagatgcag 900
aaggctgttg aacgggtgtat ggatagctg gggcttacg gaaaggctgc ttag 954

<210> 8090
<211> 207
<212> DNA
<213> A.fumigatus

<400> 8090
attggaatag cttcaaatat caaaatatct aaaattgggt gttacgggtc aattgggtgt 60
tatgggtgcg cgcaccctca atgcggaagc ggtgagggtg cgtatggcac ggatatagct 120
gtccccaggt ctagtgtgt attgagaggt caatatgtgc aagtgtgtag agactcggcg 180
tttggcccgca cagcagcaga agattaa 207

<210> 8091
<211> 216
<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8091

acggcagtc	acggccaggt	acacccagtt	ccagatacgg	cgggagccnt	agacgcccct	60
tgccacctgc	tccattgttt	gctggccccg	gagcagcaac	ggggcaagat	acaagcatcg	120
atatcggaga	tggcaacgat	cctgaagatc	cgttcggagg	aggaggaagg	acgaacaacc	180
gacacgagca	ccgtggaagc	attcgatcgt	tcatga			216

<210> 8092

<211> 231

<212> DNA

<213> A.fumigatus

<400> 8092

acaggtgctg	accatccgca	ggcaaacttc	tacctggctt	tctttttcat	tgcaggatct	60
ctatcggacg	agagaattga	cccatttgga	cataacatgg	gaaaatacat	cttctttgtc	120
ctgcggtacg	catgcatctt	ggcatgtg	ttgcaattca	tcatttcgat	gggtaatcga	180
ccacaggggt	tagtgtcgcg	actacccaac	aatggaaaag	cgtgttacta	a	231

<210> 8093

<211> 324

<212> DNA

<213> A.fumigatus

<400> 8093

catcccaaaa	gagcaaagaa	gctttacatg	tcgggcatca	tcgtctacag	tataataatg	60	
gtctacaccg	cattctgtgc	tctctatcta	gtcgttctaa	agctgatggc	cgaagctggg	120	
gtgggcaaaa	aagagcttgc	tgtaaatgat	tcgtcttca	tcaatattgt	gggattcctg	180	
gtctccactg	tcgggctcta	cttctattct	tcggtcctat	atttggatcc	cgggcataat	240	
gtcacttctt	ttcggggccat	aactttg	gcgc	tggttgccaa	cctacatttt	gcacttctgc	300
aaggtcttat	tgcgttttgt	aaac				324	

<210> 8094

<211> 1632

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (78), (188)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8094

tccgcggtcg	aagtgcgcga	gtattcatcg	cgccctgatt	ctcccctcag	accttgggtct	60
ccagcgcgcg	cggcggantg	gacaaggccc	ccggctccac	cgtctgtcac	cggctcgag	120
tacgaacgcg	cagatctaaa	cggcagtcga	cgccaggtta	cacccagttc	cagatacggc	180
gggagccnta	gacgccccct	gccacctgct	ccattgtttg	ctggcccccg	agcagcaacg	240
gggcaagata	caagcatcga	tatcggagat	ggcaacgatc	ctgaagatcc	gttcggagga	300
ggaggaagga	cgaacaaccg	acacgagcac	cgtggaagca	ttcgatcggt	catgagcgat	360
tcgaccatga	tcacagatga	aaaggaagag	atggcgaaga	tcaacctcaa	tgaagacgat	420
gtcgtcgacg	ttgaccctaa	catgcactat	ggccccgctc	ctgaaaagca	aagtcgtcga	480

ggagttcgag	aggcccagat	gtctaagaag	gaagtccagc	tgatcaacgg	tgaactgac	540
ctcgaatgta	aaattcccac	gattttgcat	agttttcttac	ctcgtcggga	tgaccgag	600
ttcacgcaca	tgcgctatac	agccgttact	tgcgatccag	atgacttcac	tcagagaggt	660
tataaaactac	gccaacagat	tggaagtacc	atgcgcgaga	ctgagttatt	catttgtgtg	720
actatgtaca	atgaggatga	aacacacttc	acccgcacca	tgcatgggat	tatgcgaaac	780
atcagccact	tctgctcaag	atccaaatcc	agaacatggg	gtaaagacgg	atggaagaag	840
attgtggttt	gtattattgc	agatgggtcg	aagaaggtcc	atccaaggac	tctgaacgca	900
ctggcagcaa	tgggagtcta	ccaagaaggt	atcgccaaaa	atattgtcaa	ccagaagcag	960
gtcacggccc	atgtgtatga	atacacgact	caggatcttc	tcgactcaga	tctgaagttc	1020
aagggagcag	agaagggcat	catgccctgt	caagtgatct	tctgcctcaa	agaacacaac	1080
cagaaaaagt	taaactcaca	ccgctggttc	ttcaatgcct	ttgggcgcgc	tctacaaccg	1140
aatatttgca	tccttctgga	tggttgaacc	aaaccggagc	ccactgcatt	ataccatttg	1200
tggaaggcgt	tcgaccaaga	ctcaaagtgt	gccggagcag	ctggtgagat	caaggccggt	1260
aagggcaaga	acatgatggg	cttgttgaat	ccgcttgctg	caagtcagaa	ctttgagtat	1320
aaaatgtcca	acatttttga	caaacccttg	gaatcggtct	ttggatacat	cactgtgctt	1380
cccggagctc	tcagtgcgta	tcgtttcttt	gctctgcaaa	acgatgccga	tggcaacgga	1440
ccgcttaatc	agtatttcaa	gggtgaaaca	ctgcacggca	aggatgccga	tgtcttcaca	1500
gccaatatgt	acctggcaga	agatcgtatc	ctgtgctggg	aattggtagc	caagcgggaa	1560
gagagatggg	ttctgaaatt	tgtcaaaaagc	gctgtcggtg	aaactgacgt	tccaggtgag	1620
cgctgcgttt	ga					1632

<210> 8095

<211> 420

<212> DNA

<213> A.fumigatus

<400> 8095

ctcatggcct	catcagacac	cataccggag	tttatctccc	agcgaagacg	ttggctgaac	60
ggtgcctttt	ttgctgcggt	atattccctc	gtcaatgtaa	aacaactttg	gaagaccgac	120
cactctgttc	cgcgcaagat	tcttcttcag	attgaggcgt	tctatcaatt	tttgaacctg	180
ctcttcactt	acttttgatt	ggtatgtaaa	ttagttccgc	ttactgaaca	ggtgctgacc	240
atccgcagge	aaacttctac	ctggctttct	ttttcattgc	aggatctcta	tcggacgaga	300
gaattgaccc	atttgacat	aacatgggaa	aatacatctt	ctttgtcctg	cggtacgcat	360
gcactctggg	catgtgcttg	caattcatca	tttcgatggg	taatcgacca	caggggttag	420

<210> 8096

<211> 267

<212> DNA

<213> A.fumigatus

<400> 8096

gttcaatccg	gcggctcttt	cgatgtcgat	tactcagttg	ttggccctgg	agagaaggtt	60
atcctagacg	gaactaagga	acggcaaggc	gactttgtct	tcacagctca	gagcattgga	120
gagtaccgat	tctgcttcaa	caatgagatg	tcaacatttg	cggagaaaaat	ggtcgacttt	180
gagattgctg	tacgttcggg	tccttggcat	acacagtggc	tggatctcta	ccagggggact	240
tatcacacta	actggggggg	tttgtag				267

<210> 8097

<211> 384

<212> DNA

<213> A.fumigatus

<400> 8097

gtcgagaatg	aggagcgcgc	gcaattacct	tcacgacaag	gtgccagtcc	cgaagcaagca	60
tcggctcttg	aagagtccat	ctacaaaactg	tctgctcagc	tgctcgactat	tgctcgcaac	120
cagaaatact	tccggacccg	cgagaatcgc	aatttttagca	cggttcgcag	caccgagagg	180

eggatcttca	acttcagtgt	gattgaaggc	ttgatgatgg	tgtccatggc	tggtctgcag	240
gtgtttattg	ttcggttctt	cttccagggt	gcacggaaag	gtacgtattc	cctttcctat	300
gggggcgtga	aaccggcat	cgtatttgat	tattgtcttt	cccgttcctt	gattcaagtc	360
catgtctggc	taacaccctt	gtag				384

<210> 8098

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8098

actcgagtat	caacactgct	ctccaagaag	cagcttacgg	acttaaaaat	aggtagcacg	60
gttctgctta	gcatgccatt	tggtctcttt	gcacgacggc	ttgggattat	actcgaccat	120
catctcttct	tacgcaacaa	tgagtctgat	atcccaactg	ccctcaaaga	gaatgcttct	180
caccat						186

<210> 8099

<211> 282

<212> DNA

<213> A.fumigatus

<400> 8099

aatatagatc	tcgatataac	tgacaactcg	aatagcgctg	tctacgtcca	gggtcgcgat	60
aaattcaaca	acaacggcca	atcctctcat	ctcgggtgtc	aggctttcgc	cttcatgtgg	120
acttccgtcg	ctctcctttt	cctctcctgc	gtgatctact	gcatgggagg	cgccgtcggc	180
cgaaaagacg	gaggatacag	cggacgggaa	cagagacggc	gtggtttctt	caattcccac	240
cgatcaggaa	gcttgagaag	caacaaggaa	accgcaccgt	aa		282

<210> 8100

<211> 315

<212> DNA

<213> A.fumigatus

<400> 8100

cacaccgca	taggagtagg	tctagggttc	ctaggccttt	tctttacagc	cagcgccctt	60
ctgttgatgt	tcctcgcttt	tctcggagga	gcaaggaaact	cgaaccctct	ggacaggatt	120
tactggcttg	aagctgccac	gggcaacatc	cctggcgcac	cagccctgtc	ccgatggaca	180
tactggaatc	tgtgcgagc	gaacagcgag	ggacacaatg	aatgtgggaa	gtcgtacccc	240
gactaccctt	ttgatcccc	tagccaccgg	aactttaata	cccatgtcaa	catccctgcg	300
gctttcattg	ggtga					315

<210> 8101

<211> 192

<212> DNA

<213> A.fumigatus

<400> 8101

tataattgca	acgcccaggt	tgcccttttc	tgcggcacat	gttcgaaatc	ttcttcacga	60
ctctgttctg	accgtctaaa	taacgtcggt	tgggcctttg	atgctagttt	cttagcttta	120
ccaagtaact	tccccaat	ctttctgccc	aaatactacg	tccttcaagc	cctacgccga	180
gttaagagat	ag					192

<210> 8102

<211> 360

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (12), (17)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8102
 gctcagtact cngcccntaa gaatggtggt gacgtctttg tgcgtgtctg cgaggggtgtc 60
 cgcgaaatca aggtcaccaa gcccgagccg aagcccaagg aggagaagcc ccccaaggct 120
 gaggatgacg aagacgaaga ctctgacttt gactcggacg aagatgaaga ggaggaaatt 180
 cgtgagattg tatggaagac tgagaaaccg attgccgaac ttgcggtcaa gggcgtcaag 240
 gctggcagca aggttgagct gatgggtcac gtcaacgccg atctgggcat gcagatcact 300
 gctcgggaag tcggtggtca gaatgctgtc cgtggcgccg tcgagtcgcc caaggcttaa 360

<210> 8103
 <211> 429
 <212> DNA
 <213> A.fumigatus

<400> 8103
 acccacctca catttgatgt ttcttatagc tcatttgaac gactggagac tcacgactat 60
 caaatatcga agatgcggat cctctacttt cccctgctcg catcgagctt cttggtcact 120
 cggactctcg cgacagacac aatcagtact aacgaggtat cgacttgttt agccagctcc 180
 gacgttgaag tcagggagct atcagtaacc tacactcgct ccacgagaga agtcgttttc 240
 agaattgacg ggacaagcaa gaaagtacaa aatgttactg catcattgac agtgactgca 300
 tatggcaacc aagtctattc taaggatttc gatccttgca actccgacaa ttacgtcgct 360
 caactctgcc ctggtatgta tcatcatcct gcgaaggccg ttaatcagta tccactaata 420
 catgcatag 429

<210> 8104
 <211> 2970
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (732), (2854), (2970)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8104
 gtgcgcggac ccttcacgcc ccgtggtgaa gactgttctc ttacatctgg atcgaccggt 60
 gtgcaaaaag gactcgttgt tccacatcga gctgtttgtt gcagcattcg agcccatagc 120
 gaagccatga acatcaacac aacatccaga tctttgcagt ttgcctcgta cacattcgac 180
 gcctgtatct gtgagatctt cagcgttcta gtagctggcg gaacggtttg tataccatcc 240
 gaagaggaac gtgtccatga tcttgccaggc tttatcacgc gctcccaggc gaattggggc 300
 tttttcacac ccactgtaat tcgaacgctc ggccctctac cgtcccaggc tccatctctg 360
 cgaacttttg tacttggcgg agaagtggc accgtgcatg atgccaggac ctggggccggt 420
 catgtctcct tattcaatgg atacggccca acggaaacat gcgttttctg cgccaccacg 480
 cctatccatc ctgacggcgt gacctacggg cggatcgggc ggctattgg ttgtgctgcg 540
 tgggtggtca gaccgcagaa ccacgacata ttactcccc caggctgccc cggggagcctt 600
 ctcatcgagg gtccgatagt ctcacgggg tacctcaatg accctgtccg tacacaggag 660
 gctttcatca cccaccggc ctgggctcag aaccgcaaac tcagtacagaa ccaatcttcc 720
 gctcggagat tntacaagac tgggtgatctt gtgcgccaat caccagatgg caccttggtg 780
 tatatggccc gcttggacag tcaggtgaag atcaatggac agcgccttga ccttggggag 840
 attcggcatc aaatccactc agtggatatc gaagatgtcc aagtcttcat cgatcttctg 900
 cctccgactt gcttgcccaa tgagaaagcc ttgctcgttg cattcctggc ttcaacgcgc 960

tttgaaccgg	aacagacaag	cggtttcagc	cccccatca	agacccttac	gtcccagctc	1020
gagcaagatt	taccgagact	gcttccacga	tacatgattc	cgtcctgtga	cctaccactt	1080
tcagcaattc	cgctcacctc	tggaggcaag	gtcgatcgcc	aggcactacg	gaggcgcggtg	1140
agcaggatga	gcatgaagga	gttacttgtg	tatactggag	aagaacaggg	tacaaaactg	1200
cctgtttcaa	ctgcggaaga	acagcaaattg	caaatgctgt	ggcgaggagt	tctcagaatt	1260
cccccgga	ccattggagc	atcgatcac	ttcttccgcc	tcggtgctga	ttccatcgac	1320
ggcatgaaac	ttgttgctgt	ggctcagcga	cacgggattt	tgattactct	ggccgatata	1380
tttcgctctc	ctcgattaag	cgacctggcg	acgtgctgtg	agtccccggc	tcacccagac	1440
gattccaagc	atgatctgaa	gacaattatt	ccggcattct	cgcttctcaa	tgttcaactc	1500
cgaaatacgg	tcctgaaaga	gattaaagcg	gactatgctc	tgatgtgtgc	acaaatcgaa	1560
gatattctatc	cctgcacccc	cctgcaagaa	tctctgatgg	cagcctcgat	ccaatcccac	1620
ggggcgtagc	tccaccattt	ggtcgaaaag	ctcccaccct	caggcgaaagt	accggcaatc	1680
atttcgcgtt	ggcaaagtgt	cattaaaatg	acgcccattc	tacgcacacg	aattgttcag	1740
actgtatcgg	cggttctcct	tcagggtgtc	ctcaaggaga	gcgttcagtg	gctgcacgcg	1800
cgacaggcca	tccaggaata	tcttgacgaa	gacgcgcgtc	attccatgac	tctcgagat	1860
cccctactgc	gtctggcttg	ccttcacgat	cccggcacac	cacatacagg	tcataatagt	1920
atcaccattc	accattcgat	ctatgatggg	tggtctttgc	cacacatcag	gaagcttggt	1980
tatcgactc	aaaaatggga	tccttgctca	acgtctttgc	ctttcaaccg	attcatccac	2040
tacctagaac	agaaatccga	tagtagggca	agcgattctt	tttggcagag	cttcctttat	2100
cgttctcagc	cacttgctgt	tccacctttg	ccatctactg	gctatcagcc	cggtggaacg	2160
gactcgggtc	agctgtctgt	gcattggcca	tctacgttcc	ctccctccgc	attcacctcg	2220
tctacgtttg	ttcgtgttgc	gtgggcgttg	gttctcgggt	cctacagtgg	gacagacgat	2280
gtgatattcg	gactcagcct	gagtggctgc	gacactccca	ttcctggcat	tttggatata	2340
ttaggtccca	cgatctgcac	ggtaccgttt	cgagtaaaat	tcagcggcga	gagttttggc	2400
gccttgcgtg	agagagcaca	tgctgactct	gctgcgatgt	taccatatca	acacattggc	2460
ctgcaccaca	ttcgccaact	cgggcccagc	tgctcagctt	cctgtgactt	ccaaaccctt	2520
cttggttatcc	agccagcccg	agatccgagc	gatccagaac	cccattcgga	actgactttc	2580
acatcttcag	gtggcctaac	atatgccttc	gcactcattt	gccagccaca	tccttcgggc	2640
attgaattgc	acggtgattt	cgattcaaac	tgtgtttcca	gacctgtggc	agaacgattg	2700
ctgtctcaaa	tgaaatctgt	catgggtaca	ttgatctttg	gagaccgaag	gaagctcgcc	2760
gcagaagttg	acgttatcgg	catcagtcag	aaagccactt	tgggccactt	gcaacgggag	2820
cccttgacgc	ccggagaagg	tcgagttgag	gatntgatca	tctcccgctg	gcagcaagcc	2880
ccggatgatc	tcgcgataca	tgcttgggat	ggggagttga	cttataacga	gctgggtcaaa	2940
gagttcgcga	cacttgcccc	aaaatcttan				2970

<210> 8105

<211> 240

<212> DNA

<213> A. fumigatus

<400> 8105

tcacactcta	catacgaatt	ttgtgctaga	cgcaagagaa	ttacagtgcg	tgtcaaagaa	60
agatacaaca	accagattgt	tagcgccggc	cagttgctat	ctctgaccgg	ggaggtcaag	120
cagaacatca	cacgcgatgt	tgtctcagcg	gcggatccgg	cttctgctta	tagccgcggt	180
ggtgttgatg	gtcaccatct	tctactattc	ggtaccacca	ccctaccctg	cgagaactaa	240

<210> 8106

<211> 339

<212> DNA

<213> A. fumigatus

<400> 8106

cacttcatgc	tctactgtgc	agtcgttatt	ttctccaaat	cctactgccc	atatagtaag	60
agggcaaaaa	ctatcctcct	tgagaaatac	aatatagtgc	ctgcgcgcga	tgtgggtcgaa	120
ctcgatcaac	atgcaatggg	acagcaactt	caatcgctct	tggaagaa	caccggccga	180
cgtactgtac	caaacgtact	cgtcaatgga	aagagtatag	gcggtgggtga	cgacgtgacc	240

gcacttgatg agaaggagga gcttgccctcg acgctgaaga acttgggtgg gaaatggata 300
caggagttca atcgttaaggg accaaacgaa gcaggctga 339

<210> 8107

<211> 690

<212> DNA

<213> A.fumigatus

<400> 8107

ttaacttcga	ctatcgcttt	tctcgectct	tttctggacg	tccagccaag	gacgtcatgg	60
acgaggagg	gatcagcatg	gaagaattca	agatggcatt	ccagaaaggg	aacatgtttg	120
caagtggcat	tggtaagaca	atgcagccgc	ttcctagtaa	tggggcctac	tcagtctgac	180
catatggaaa	cagctgtcga	ctacggtctt	accttcttcg	ttgcgaaggc	gggagactcc	240
ggcgaacaag	gcgatggcac	ggatgttgca	agcaaagaca	aaagcctccg	ggtagtcagc	300
aagcagcacc	tgtccaccgg	aatctcgggt	ggcatgagaa	tgccaaagttt	caaggtgctc	360
aaccaatccg	atgctcggcc	atggcatctc	caagaactgc	tgaagagcaa	tgcccgtgg	420
cgggtgatcg	tttttgccgg	ggaccttacc	aaccccagaa	atttcgaccg	ttatagccag	480
ctgggagaaa	agctcagcag	tccgacttca	ttccttcgca	gatatacgcc	acgtgggcag	540
ccgatcgaca	gtgtcatcga	agtcttgact	gtccatgcgc	gaccccgcac	aagcattgaa	600
cttttggaac	tgcccgaagt	attccatccg	tatcgcgaga	agcaaggatg	ggattatcgg	660
tcttcaccac	gaggctggaa	ggaccgcgtc				690

<210> 8108

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8108

tatgcaaact	tattctacct	tactctcgat	aagatgacga	atttaaataca	gcctgaggat	60
catgttgatg	tgctcattgt	cggggcgggg	ccagctggcc	tcatgttggc	gaactggatg	120
agccgattag	gaatcaagac	tgcgcatcgt	gacaagcgta	gcaccaaggt	tgggtccattt	180
gatctcacat	ggaagactta	ctga				204

<210> 8109

<211> 1032

<212> DNA

<213> A.fumigatus

<400> 8109

tatctgggtgc	aggtgttcag	tggccaagca	gacggacttc	aatgcaggac	actggagatc	60
tttgattcct	ttgactttgc	cgacagggcc	tggagagaat	cgaaccacat	gctggaaatc	120
tgcctctgga	accccagaaa	agacggcgtc	attcgtcgat	ccgatcgcat	tccagatact	180
atccctggta	tcagtcgctt	ccagcaagtc	gtgcttcac	aaggccgcat	tgaacggttc	240
ttccttgact	ccatcaagga	gcacagcaat	attaccgctg	aaagaggtgt	gatgccact	300
tcttttgaat	tcgatgcttc	caaagccgcc	gatgtcgatg	actaccccat	cactgtcacc	360
ttgcgcacct	tgacagagga	agaggccacc	ccgaaacagc	agcaggctac	gaacggtgct	420
gctgttagcg	atggcctgtt	ccgaagcaac	ctctccccgg	atgacacgga	cgacctgcta	480
cgagcagctg	agctgaatag	tcgtgcaaat	cagaccaag	tggtaaggc	taagttcatg	540
gttggtctgtg	acgggtgccc	ctcgtgggtc	agacgccaac	tagggtttaa	gctggaagga	600
gattcgacag	attacatctg	gggtgtgctc	gatatcattc	ccattaccga	ttttccggat	660
attcgaatgc	gttgcgcat	ccattccgcg	agcgcggggt	ctgtgatggt	cattcctcgc	720
gagaacaaac	tcgttcggct	atacattcag	ttacagtcac	ttgtcactgg	aggtggtaaa	780
gcagatcggt	cgaagatcac	accagatatg	attctcaagt	ccgcacaacg	cattcttcat	840
ccatacaagc	tggattactc	gtactgcgac	tgggtggactg	catatcagat	cggtcagcgg	900
gttgaggagac	agttttcgct	agaggaacgt	gtgtttctgg	ctggcgatgc	agttcatacc	960
cactcgccaa	aggctgggtca	gggtatgaac	gtaagcatgc	aggacagtat	gtctcatgtc	1020

cgttctcagt aa

1032

<210> 8110

<211> 303

<212> DNA

<213> A.fumigatus

<400> 8110

ctgactagtg	accactcagc	ttataacttg	ggctggaagt	tggcccatgt	gatcaaaggc	60
tacagcgaca	gagcaatcct	gaagacctac	caatccgaaa	ggaggcgat	cgctcaagac	120
ctaattaact	tgcactatcg	cttttctcgc	ctcttttctg	gacgtccagc	caaggacgtc	180
atggacgagg	aggggatcag	catggaagaa	ttcaagatgg	cattccagaa	agggaacatg	240
tttgcaagtg	gcattggtaa	gacaatgcag	ccgcttccta	gtaatggggc	ttactcagtc	300
tga						303

<210> 8111

<211> 933

<212> DNA

<213> A.fumigatus

<400> 8111

cctcaagttt	taaatcttaa	actcaaacgc	atacgccgac	gtggtatccg	tctggtaaag	60
cgggaaacgtc	accgaatccc	ccgaatagac	atgtccatac	cagcccagat	ccttcggccc	120
atccacctga	ccataatgca	cattcgacgc	aacaggggaag	ccccaggtat	gcacgttcag	180
cgtcccgcgtg	gtcggcaacc	ccagcgcaga	cagctgattc	aactgcaact	gccacgtccc	240
cgtggcgatg	cgacgcgcaa	ccagcaccgc	cgcaaccgga	tcgtcccca	cagccgcata	300
cgcgtcgagc	ttgagatccg	ccgacggaag	cgtgcccacc	cggtgaccgc	tcagtgtcag	360
attatagtac	ttgtacacct	ggtagtcgcc	ggtgggggaag	taccccgctc	ccgtgggggtc	420
gtagttgctg	ttgtccgcgt	tgggcttgct	cagcaggctg	gcgagaaaagt	catgcagctt	480
ccaccgcgtc	agccagttgc	cgcgccaggcc	gaccgcgttg	atccgctcca	gctggctgat	540
ccaccacgcc	gagccggcgg	ggacctcctc	gtcgagcaag	gcgtactcgt	tgatgttgat	600
ggggcgcccc	ggcagcccgt	acgtcgtctg	ccagtagaag	agccccgcct	gcgcggagag	660
caagtcgccg	ccgccgccct	ccatgtgcc	ggcgtattgg	tcggggatgc	tcttggttgg	720
cgcgacgaac	gacgcccagt	tcttccacca	gttggtgccc	gggaggggct	cgcccgcgga	780
tgcgggtccg	gagagctcaa	cgccggcgag	ctcggagcta	accgcagttc	agttcagctc	840
atccattgga	gtgactcgta	ctgtggaata	gacgccagga	cttaccggag	tcggtggaac	900
gtgcgacccc	acatctgcag	gtactgcgtt	tga			933

<210> 8112

<211> 321

<212> DNA

<213> A.fumigatus

<400> 8112

gaacgacaga	cccgttttgc	gtccgcgctc	tcaaactaca	aaacctcccg	ccagcacggc	60
gcgaaattca	tcttcctgat	ccacgatctg	tggggcgccg	acggaacgca	gaattcctct	120
gcaccctacc	cgggcgacaa	cggcgactgg	accagctggg	acaactacct	aacgcattct	180
ctcggcgaca	tcaaggccaa	ccgcatgacc	gacggcctga	tcatcgatat	ctggaacgag	240
cccgacctca	gcttcttctg	gaatcgggat	caaacgcagt	acctgcagat	gtggggctgc	300
acgttccacc	gactccggtg	a				321

<210> 8113

<211> 819

<212> DNA

<213> A.fumigatus

<400> 8113

actgcggtta	gctccgagct	cgccggcggtt	gagctctccg	gacccgcac	cgcgggcgag	60
cccctccccg	gcaacaactg	gtggaagaac	tgggcgtcgt	tcgtcgcgac	caacaagagc	120
atccccgacc	aatacgcttg	gcacatggag	ggcgggggcg	gcgacttgct	ctccgcgcag	180
gcgggggtcg	tctactggca	gacgacgtac	gggctgcccg	ggcgccccat	caacatcaac	240
gagtacgccg	tgctcgacga	ggagggtccc	gccggctcgg	cgtgggtgat	cagccagctg	300
gagcggatca	acgcggtcgg	cctgcgcggc	aactggctga	gcgggtggaa	gctgcatgac	360
tttctcgcca	gcctgctgag	caagcccaac	gcggacaaca	gcaactacga	ccccacgggc	420
acgggggtact	tccccaccgg	cgactaccag	gtgtacaagt	actataatct	gaacatgacg	480
ggtcaccggg	tgggcacgct	tccgtcggcg	gatctcaagc	tcgacgcgta	tgcggctgtg	540
ggggacgac	gggttgccg	ggtgctgggt	ggcgtgcgca	tcgccacggg	gacgtggcag	600
ttgcagttga	atcagctgtc	tgcgtggggg	ttgccgacca	gcgggacgct	gaacgtgcat	660
acctggggct	tcctgtttgc	gtcgaatgtg	cattatggtc	aggtggatgg	gccgaaggat	720
ctgggctggg	atggacatgt	ctattcgggg	gattcgggtg	cgttcccggg	ttaccagacg	780
gataccacgt	cggcgtatgc	gtttgagttt	aagatttaa			819

<210> 8114

<211> 243

<212> DNA

<213> A. fumigatus

<400> 8114

gccgtgctct	ccatcagctc	gagaacgctc	ttggcgggca	tgcagcgttt	atgggctttg	60
tgggaatcga	tggattccat	gcgcacgccc	agatatcagg	ttctcgccgt	gtctaaggat	120
ttgacttata	gtggagtttt	ccctgcgggc	cattcggctg	aacccaagg	aaaggcgtac	180
ggttttggaga	ctttttatac	ctctcaagat	aggggggtga	tcagacgggtg	ggctttcaag	240
taa						243

<210> 8115

<211> 198

<212> DNA

<213> A. fumigatus

<400> 8115

aacaacaata	gacatctatc	gctaaggctg	acgtccttcg	ctggcctgac	tgagcctctg	60
ctcatgttgg	gcgtcttact	aggccgtgct	ctccatcagc	tcgagaacgc	tcttggcggg	120
catgcagcgt	ttatgggctt	tgtgggaatc	gatggattcc	atgcgcacgc	ccagatatca	180
ggttctcgcc	gtgtctaa					198

<210> 8116

<211> 564

<212> DNA

<213> A. fumigatus

<400> 8116

acccgggggg	ttgtggatgg	gggaattttg	ggcgttttct	attataaggg	agtggtttta	60
cgggggccac	ccctttttcaa	gggcagggat	atggatgcaa	acttttggga	actctctagg	120
gggcggaagg	gccatttctt	gggccagttg	gggggcccga	tattttggaa	aaatttcccc	180
gttggtttctg	tttctaatag	ttcgccacga	acattttatt	cgccggttat	ccagttcccc	240
agtttccagg	tgctcgttca	gggcggaacc	cggcgttttg	gcgctcgagc	aggggcacgc	300
gatgtcaaga	ctcatccttt	cttccgacag	acgcaatggg	cgctcatccg	ccatatgaaa	360
ccgccccatga	ttccacacca	gagtcgcgga	acggacacgg	cgaatttccg	taatgtcaag	420
gagagcgcaa	gtgtcgatat	tggcgggacc	tcgaagccca	agggcgctcc	tctaggatct	480
gggtcttgcca	ctccccacgg	ggaggtggct	gatcccttcg	aggagttcaa	tagtgttacg	540
cttcatcatg	atggagactt	ttag				564

<210> 8117
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 8117
 gtctcgacat caggcaggtc cgaaaaccag aacatccaga atcccaatat cagctctctt 60
 tatccgctaa ggaacagaac caccacaccc tcgcaagttg acatgttctc ctctcgacgat 120
 gaccccgctt ccgcgcgcag ccgcaactgc tcctcctcct cccaataaac aaccgaaaac 180
 cctctcttgc gcgcgtcaaa cccctcgtc tcggatctcg agcaggaagt cctggatgag 240
 tataccggc tcctggggaa tgtgaacaag gtacgcaggc cttccgtcta cgcttacgcc 300
 tcgtcccaa tgcacgaatg gccactagct agctag 336

<210> 8118
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 8118
 cttgttcctc aggcgattgc tctggagtag ctgcgtcatg gcgcaagggt agcagttaac 60
 catctcggac gtccagatga agagccgctg ctggaggcaa tgctgaaaga cgttggcgag 120
 attactggaa gcgagggggg acgattcctc acaatagctg gagatgtctc acagcccgag 180
 acaggccggg actttgtcgc gaagacagtc gaggctttcg ggcggctaga catttttgtg 240
 agcaatgctg gagtgtgcaa gtttgaggag ttcttgagg aa 282

<210> 8119
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 8119
 gcaatgctgg agtgtgcaag tttgaggagt tcctggagta agtcaagttg ctatacatgt 60
 ctttctgtgca agccgtctgt acagctactg accgttcaac ctggcagggt tgatcctcca 120
 ctctcgggc acacggtgaa cagcaatctc tgtggagcct tttacgccac acaagcggca 180
 gcacggcaga tggccctggc ccagtcacca cctggcggct ccatcatcgg aatcagctcc 240
 atctccgcgc tggttggagg tggacagcag acacactata cacctaccaa ggctggagt 300
 ctcagcctga tgcaatcgac tgctgtagcg ctaggaaagt acgggatccg atgcaacgcc 360
 ttactcccga gaactatccg gacccagttg aatgatgagg acatgagtga tccgggtcaag 420
 aggacgtata tggaggggag gatccactg ggacgggttg gtcaacctcc tgatctggct 480
 ggcccggtg tcttcttggc ctgtgatgaa ttaagtggct atgtggtgag tgctgatcca 540
 tatccctggc tgtggcttta g 561

<210> 8120
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 8120
 tcgcagattg catattcaca tcctgatatt atacgctttg gctgcaacct ctccccagaa 60
 ccccttcttc tggtcatcag tcaaccctcg tctctcaagg acattctcta caacgtctt 120
 ccagcgattc caagagagtt cattgccgc tccacctata ttgcaaaactg gccagtcga 180
 tccaaacatg actcgtctg gaccgaatac ctcgaaaaca acatccgtcc atggctgtag 240

<210> 8121
 <211> 267
 <212> DNA

<213> A.fumigatus

<400> 8121

ctagagtggg	caaagggttca	ccttgcccct	ttcggagtga	agctgtacaa	gaattacgac	60
gacatgctca	agcatgaagg	cctacaagct	gtcgttgtgg	cttctgccac	tgctgtacac	120
gcggaacaga	caatcaaagc	tatagaagcc	aacaagcatg	tcctctgcga	gaagccgctg	180
tccacgagtg	tcgagattgt	atgttttctg	tattttattgt	ttttttctgt	tttcatgctc	240
cttggttgctc	ctgcaacctc	cagctga				267

<210> 8122

<211> 750

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (186)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8122

cgctgccagt	cgcaaacggt	cctcgatgca	gccacccgaa	agcctgagct	caaggtgatg	60
tgcggtattct	cccggcgatt	cgacgcttca	taccgcgacg	cgcacaaaga	gatgaccacg	120
ggctccatcg	gtcgcgcgtc	cgtgatgcgc	agccagacct	gcgacaagct	cgaccccacc	180
ggtttnttcg	ttgcctacgc	agagtttctc	ggcggcattc	tcgtcgactg	ctcaatccac	240
gatatcgacc	tagcgcctcg	gttctttggc	caggacagca	aggtcaggtc	agtctccgcc	300
gtgggcatca	cggcggtcga	gccggacctc	cgcaaacaca	acgaccgcga	taacgcggtg	360
ggctctggctg	agttctacga	cggaagatt	gcgtacttct	acgcctcgcg	catgatggcg	420
gcgggtcagg	aagataccac	cgagatcatc	ggcaccaggg	gcaagcttac	catcaatgct	480
cagccggcca	tgaaccatgt	caacatcttc	gacagcaccg	gcgtgcgtcg	cgagatcccc	540
cagaactact	acgatcgttt	tgagcacgct	ttcgtcgagg	aggctaata	gttcacggcc	600
gcattgcctgg	ataacaagga	cgctccctgtg	aagctcgagg	gtgctgtcca	ggctgttcgg	660
ataggatgtg	tcctccaaga	atctctgatc	actggccaaa	agatcttctt	tgatgaggct	720
ggcaaccgta	tcgataagcc	gaggctttaa				750

<210> 8123

<211> 267

<212> DNA

<213> A.fumigatus

<400> 8123

caaccaattc	gattcgacaa	gtatgacatt	aaccagcgat	tcgagtacgt	tttcagcgaa	60
gaagtgaatg	atttcgatgc	tgatgactat	cgaagaatca	aggtaactca	ctctacaggg	120
cacatcgtgc	ccattctcca	cttcacagca	agcaacgggt	tgctcatcct	cagcgttgat	180
aagagtgaat	tacttgtcaa	tctccccaac	atgaagcttc	tcaactatct	gtcgatacca	240
actgtctcgc	agatacagaa	ggtatga				267

<210> 8124

<211> 414

<212> DNA

<213> A.fumigatus

<400> 8124

cacagtttgt	acgacaggga	tggtcttcgt	cgacactgga	ctacgtgcgc	taagcgggtg	60
cagtcagggc	aggagattcc	caaggcgga	tctggaggta	aacataggca	cgctgcgat	120
gtttgtgccc	gcctgaaaaa	ggcgtgtaat	ggcctgcagc	cgtgtgctga	gtgcgagtca	180
cgcgggaaac	tgtgtcttta	tgaacgttta	actggagggtc	aaccgccccg	gggcaaacga	240

agggagtga	tgtctgttta	ttcagagcag	caggactggg	agacgaaaga	tttcgggtat	300
cagactctac	ttccgtcaaa	agccagtatg	cttgaagtcc	agagccagtg	caggagtatt	360
acctggggta	tcaatcgggg	gcccatagca	accaattcga	ttcgacaagt	atga	414

<210> 8125

<211> 816

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (665),(788)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8125

cctgacgcaa	tgcattctct	ccgggttggt	ctgccgcttc	tgtccctttc	acccgctggc	60
ctggcagctc	cggcctcgcc	agctgcgcct	accgtcacga	tgcattctcc	cgctgccacc	120
attgttgggt	cgtccgggaa	ggtagagaag	ttcaacgcca	tccccttcgc	ccagccaccc	180
acgggcccc	tgcgtctgaa	gcctccccag	ccaatacaga	agcccctggg	cactattgac	240
ggcacgggta	gcgccaagtc	gtgtcctcag	ttcttttttt	cgacggacaa	cagcgagttt	300
ccgggggtccg	tcgcccgtct	cttggccaac	cttccccctc	tccagaccgt	gacaaatgct	360
ggagaggatt	gcctgaccct	gaatgtggcg	cgtccgtccg	gcacagctcc	aggcgcgaag	420
ctgcccgctc	tcgtgtggat	ctacggcggc	ggcttcgagc	tgggcgccac	ggccacgtac	480
gatgcgacct	cgctagtggc	aagctcgatc	gacctgggta	tgccaatgtt	ctttgtcgcg	540
atgaactatc	gaacgggggg	atttggtctc	ctgccgggga	aggagatcct	ggcggatggg	600
gcggccaacc	tggggctctt	ggaccaacgc	ctggccctgc	agtgggtggc	ggacaacatt	660
gcggnccttg	gcggcgaccc	agacaaggtc	accatctggg	gtgagtcgcg	gggatccatc	720
tcggtcttcg	atcacatgat	cctgtatgat	ggcgacaata	cctacaaagg	ggaagcccgt	780
gttcggngc	ggcatcatga	acctcgggta	gcgtga			816

<210> 8126

<211> 456

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8126

ccttgtcttg	gtcgccgcca	aagnccgcaa	tgttgtccgc	cacccactgc	agggccaggc	60
gttgggtcaa	gagccccagg	ttggccgccc	catccgccag	gatctccttc	cccggcagga	120
agccaaatcc	ccccgttcga	tagttcatcg	cgacaaagac	aattggcata	cccaggctga	180
tcgagcttgc	cactagcgag	gtcgcacgtg	acgtggccgt	ggcgcccagc	tcgaagccgc	240
cgccgtagat	ccacacgagg	acgggcagct	tcgcgcctgg	agctgtgccg	gacggacgcg	300
ccacattcag	ggtcaggcaa	tcctctccag	catttgtcac	ggtctggaag	aggggaaggt	360
tggccaagag	accggcgacg	gaccccgga	actcgtgtgt	gtccgtcgaa	aaaaagaact	420
gaggacacga	cttggcgcta	cccgtgccgt	caatag			456

<210> 8127

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8127

agcgatatca	tcaattctca	taatcatctt	gactgtctca	gctgcaagtt	cgatggcgct	60
ggtgctcacc	aaaagtggct	gcaggatggt	ctcctctgtg	atgtcgtcgc	gcacaccgcc	120
gctacggata	ctgacaccag	cattgtgctg	gccttgagcg	tggcggtgtc	gcagctcggt	180
gacaaccttg	atcgaattca	gaccagcgta	ctcggctaa			219

<210> 8128

<211> 669

<212> DNA

<213> A.fumigatus

<400> 8128

cagcttggca	acatgaaagg	ccaatctata	accgctttca	taaagggctt	gaaggtcatc	60
ctcgcccaaa	tggaggctct	tccccagagt	tcctgccaga	agaaggcaat	taaacgagct	120
gtcactcccc	taccaaccat	cgatatcgac	ctgggagacg	atgagctctt	cccatgcgag	180
tgtctcttac	agggatataa	ctccctggat	gtcacctacc	tcagcaatcc	actacgcagc	240
tcgctcaaga	ccaaggagtg	cggcctggac	tatatcaggc	gcgctcttga	tgtcctagag	300
cccatgagca	cctgcacacg	gtgcactgga	aaggaccacg	tcgaacctt	cctctatcgt	360
ttctgccgaa	cgatcttgca	gagatgccgg	gtgttttata	agcatctggg	acgcacgtac	420
gagggcaagg	accaacaacc	ccttttgctg	gacgactacc	agcttgcgac	agtcgaggaa	480
cgggctgcgc	tgctttgcat	gtcaccttat	gtcgagataa	agcgattcca	cgtctgtgtg	540
ggtagcatta	ttgagacact	cggggaccag	cccatgttcg	atgaggattc	gtgggcccgc	600
atcaagggtc	aggcctataa	gttggccggt	gatacggtcg	agctacgttt	caaatccata	660
cactgctaa						669

<210> 8129

<211> 309

<212> DNA

<213> A.fumigatus

<400> 8129

ggcgcgcgag	agctcgagc	cacagaggct	atatgctgga	aggcgtttgc	ggatgccatg	60
gaggttattc	caaccacgtt	agccgagtac	gctgggtctga	attcgatcaa	ggttgtcacc	120
gagctgcgac	accgccacgc	tcaaggccag	cacaatgctg	gtgtcagtat	ccgtagcggc	180
ggtgtgcgcg	acgacatcac	agaggagaac	atcctgcagc	cacttttggt	gagcaccagc	240
gccatcgaac	ttgcagctga	gacagtcaag	atgattatga	gaattgatga	tatcgctcta	300
tcgagatga						309

<210> 8130

<211> 339

<212> DNA

<213> A.fumigatus

<400> 8130

cagtcgaaat	tgtcccagcg	acggaacaat	atgcggcgca	actatttgcc	tattgagact	60
ctgtcatcct	gggcaaagct	caatggcatc	tccctcgagg	gaatcgcttt	ccagaagctc	120
tatagcgaac	acgggactga	caagggtctc	gcgatcgtag	cgacagcgga	gaaaaaggac	180
gaagaagggtg	aagcaaacac	tcttctcacg	gttccatccg	acctggcact	gacctcgag	240
tacgttcaca	accatgcaaa	aatcgatcgc	catcttcggg	aggtcctaga	tgtgttggtg	300
gactttggca	gggtatgtta	caggtcacga	tcactatag			339

<210> 8131

<211> 540

<212> DNA

<213> A.fumigatus

<400> 8131

tatgtacaga	cagcgagagg	cgcaatttta	atctttttta	ttattcaa	cacgcatgca	60
agtccggaat	tcgtcaacaa	acgccagaag	atcgggatct	cgaacccttg	gacagagtac	120
atcaggttta	tgccggcctc	tgtacttcta	ccgacattct	actcagcaga	agagcgcgag	180
ctgttacgcg	ggacatcggt	acagacggca	gtcgacgcga	aacttggttc	tcttgaaaaa	240
gaattcgacc	acctccgcca	agctacggag	gaaataccct	ggtgtcagga	gcattggtgg	300
gatgaggata	cagggaaatt	cacattcgac	gattggaagt	atgtcgacgc	tgtgtatcgg	360
tcacgagtgg	tcgatcttcc	caggagtggg	catgcaattg	tgccatgtgt	agatatggca	420
aaccatgctt	gtgaggactc	ggtgaaagcc	aggtacgatg	aggagggagc	aggaaacgct	480
gtactccagc	ttcgaactgg	gaagaagcta	cgtgttggcg	aggaggttac	tatatcgtaa	540

<210> 8132

<211> 240

<212> DNA

<213> A.fumigatus

<400> 8132

ttcattagct	gtgtcaaaag	tccaaccgga	agtccagtcc	ctaaaagata	tctagtata	60
gtaatgattg	atttcgagga	tatctccact	actcttccca	tccccaactc	acactacctc	120
caatggggga	ctcataatat	ccagtcagtt	acggaaaagc	acgaaccagc	tatactcgac	180
tcctcactaa	catatattga	gtcattcatt	ggtggggtag	gagtcacgac	tctggggtag	240

<210> 8133

<211> 396

<212> DNA

<213> A.fumigatus

<400> 8133

ccccacgcg	acacgccgct	aaccgaggag	atacaatata	cagttcctgg	aaccacacta	60
ctgcagggcc	ttttgtcggt	gttgtccaca	tacattcggg	acacgcattg	caacatggat	120
ctggccaatc	tgtcacagct	tcagaccgaa	gccgtcaatc	ccgggacggc	gcagatcgat	180
cagatctcga	ccctggagat	gtgccgattg	atcaacgaag	aggatcattg	cgtcgccccct	240
agtctcacac	catgcatccg	ccagattgcc	gccgccattg	atgcgctcac	tccacgcgtg	300
cgaaacggcg	gacgagtcac	ctacgtcggt	gcagggacaa	gtggaaggtc	aggattcctg	360
tccaacacgt	atctcgccga	aaggatgcgt	aactga			396

<210> 8134

<211> 519

<212> DNA

<213> A.fumigatus

<400> 8134

accttcgacg	cctgtggtga	agaccatcct	gggtctgcct	cacttcctcg	tgaacctcgc	60
tggtcaacgt	cacagccaac	acagacggta	tggcgactac	cagcgccccc	atacagagcc	120
cccagtcctat	cgcaaactgc	gtcatggccg	gcttgggccag	cgatttcaag	cgccacgcca	180
tcgcgcccc	agtcgcctgg	aacgtcttgt	acgcgccgac	aaggatggcc	gccacggcgg	240
gggaattcga	tcgcgcgccc	atcaaccagt	agcaaaatcc	ctgccaaaag	gcgtcgtagg	300
ccccatagaa	gatatacagg	aaaatcggac	cgggtggacag	cccgtctctg	gtgtagtcca	360
tgtcctgttt	atgccccctg	gccatgcgcc	gatcatacca	tttctggaac	gcataacccc	420
cgccccagat	ggccatgccg	gtcgcggaaga	ggaacagcca	gcccaccctg	gcgcgggtct	480
ggcggttcac	ccgcggcata	tcgaggatca	ggccgatga			519

<210> 8135

<211> 420

<212> DNA

<213> A.fumigatus

<400> 8135

tcaacgaaga	ggatcattgc	gtcgcgcccta	gtctcacacc	atgcatccgc	cagattgccg	60
ccgccattga	tgcgctcact	ccacgcgtgc	gaaacggcgg	acgagtcac	tacgtcggtg	120
cagggacaag	tgggaaggta	ggattcctgt	ccaacacgta	tctcgccgaa	aggatgcgta	180
actgatctag	acgacagact	cgggatacct	gatgcatccg	agatccctcc	gacctttgct	240
gctccgccat	ctcaatttgt	cgggctgatt	gcgggcgggtg	atgcgctatt	cgacgagcac	300
aagaaagggc	cgaagacagt	gttccctcgg	ggcaagcccc	atattgccac	ctttgaagct	360
caatccccca	ctggaaagcg	tcttcgggta	tcccctgcat	ctgggcgtta	ccccctaatt	420

<210> 8136

<211> 237

<212> DNA

<213> A.fumigatus

<400> 8136

gagtgcgaat	cggggtcgta	tagaacgtgc	ctgtggagaa	tgcagatata	ctatccgacc	60
agtagcgggc	tggagtcgta	tagcgatcta	ccacaggata	tctcttatgc	gttagccatg	120
tatgttatct	acgaactgac	caagcatcgc	cgaaggggatc	gcctacccat	tggcctgcta	180
actccgcatt	ttggtcgcaa	gggacaaggc	caccccgggc	ttatcatggc	gagataa	237

<210> 8137

<211> 1470

<212> DNA

<213> A.fumigatus

<400> 8137

tgccgcctg	gagtccggcg	gagtctccca	acagcgggtca	ctgccatata	ggatctacac	60
acactcatgg	ttccagatct	tgtgatcag	cttcactctgt	ttctgttgcc	cgggggtatg	120
gtttccttca	actgcttcag	tccgtcacta	acgttgggtg	cagatgtaca	atgctctctc	180
cggcttgagg	ggctccggac	aggtcgaccc	gacagttgct	gccaacgcga	cagtagccct	240
gctcgcggca	acagctgcta	cggctttgtt	catcgctcga	ccaatcttcg	accgtgtcgg	300
acctcgagtg	tgcttgctga	tccggcgatg	gacctactcc	ttatactcgg	gaagtctatt	360
atgcttcaac	cgtatgaacc	cgttccccct	gcaatgacca	atactgactc	tgtagacacc	420
gccaacggcg	cgttcgtcat	cgcgcgggtg	gccattctcg	gggtcggagc	gtccttccctg	480
tgggtggcgc	aaggagccat	catgacgacg	tacgtgccgg	aatccccaaa	aggccgagcc	540
atcgccgcct	tctggatcat	cttcaacctc	ggcggcgggg	tgggctcgct	cggcagcttt	600
ggctctcaatt	accactcgca	cagcgggacc	gtcacagacg	gcacctacat	cggcctgctg	660
atcatcatgg	ccatcggctg	gctgctcggg	tccctgatct	gtccgcccgc	gtccgtccgc	720
gtgcaaaggc	tgcagcccac	ggccgagacg	gagaagaact	ggcggcgaa	ggcccagttg	780
acggcccaga	ccatgaacga	ctggcggggtc	ctctgcatga	tccccatgtt	tttctgcgcg	840
aacgtcttct	actcttacca	gcagaacatc	gtcaacggga	tgcagttcaa	catccgcacg	900
cggctcgctga	acgggtccct	gtactggatc	gcgcagatgc	tgggcgggtct	cgtcatcggc	960
ctgatectcg	atatgccgcg	ggtgaaccgc	cagaaccgcg	cacgggtggg	ctggctgttc	1020
ctcttcgcga	ccggcatggc	catctggggc	gggggggtatg	cgttccagaa	atggtatgat	1080
cggcgcatgg	cccaggggca	taaacaggac	atcgactaca	cgcagagcgg	gctgtccacc	1140
ggtccgattt	tctgtatat	cttctatggg	gcctacgacg	ccttttggca	gggattttgc	1200
tactggttga	tgggcgcgcg	atcgaattcc	cccgcctgtg	cggccatcct	tgtcggcgcg	1260
tacaagacgt	tccaggcgac	tgggggcgcg	atggcggtgc	gcttgaatgc	gctggccaag	1320
ccggccatga	cgcagtttgc	gatggactgg	gggctctgta	tgggggcgct	ggtagtcgcc	1380
ataccgtctg	tgttggtctg	gacgttgacc	agcgaggttc	acgaggaagt	gaggcagacc	1440
caggatggtc	ttcaccacag	cgcctgaagc				1470

<210> 8138

<211> 246

<212> DNA

<213> A.fumigatus

<400> 8138
 cgttggttgc agatgtacaa tgctctctcc ggcttgggag gctccggaca ggtcgacccg 60
 acagtgtctg ccaacgcgac agtagccctg ctccgggcaa cagctgctac ggctttgttc 120
 atcgtcggac caatcttcga ccgtgtcgga cctcgagtgt gcttgctgat cggcggatgg 180
 acctactcct tatactcggg aagtctatta tgcttcaacc gtatgaaccc gttccccctg 240
 caatga 246

<210> 8139

<211> 612

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (4), (15)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8139
 cgcncgtgctg ttctncagac aaagtctggc cagcgggtcat tgggtgggctt cgggtgtcctg 60
 atctatcaga tgctcttgca acagtgcctt ttccgtgggtg aagatgaaga tgaaatctat 120
 gatgcaattc ttgccgatga gcctctctat ccaatccaca tgccctcgga ctcagtttct 180
 attctacaga aattgtctac ccgtgaacct gagctgagat tgggatccgg gccacagac 240
 gctcaagaag tcatgtccca tgcttcttcc cggaacatca attgggacga tatctaccac 300
 aagcgtgttc ctccgccttt cttgccgacg atcagcagcc ccaactgatac aagcaacttc 360
 gatcaggaat tcacgagtgt gacccccgta ctacaccccg tgcagtcagg taagttatca 420
 cccgttggtg ttggtgggtt caaggctaac gatgtcattt ctagtctctt cccaagcgat 480
 gcaggaggaa ttccgcggct tctcgtacac cgcggacttc gcctagggtta ctccggtgttg 540
 attgagaatt atcgtgacat tgccttcgtt gctcattcgc ccaaccaggt ccttgggaacc 600
 tttgcttttt ga 612

<210> 8140

<211> 369

<212> DNA

<213> *A.fumigatus*

<400> 8140
 caacttgggg tcttgtgtcc tgcgtcaggg cgagtgggaag atgggtcataa tgtgttggtt 60
 tccaccactc tcgcgctcga gtcactcttc ccttgcaagg accggatatct ccccgactat 120
 tcagaatctt ccctatcctc tcgccttgag gctatcagtg cttatgatgc ggatacaaca 180
 ttgattcctc agcagacaag ccattacgaa tacggagctg agtctattgc accttgaggt 240
 gaaaccaatg tgagcaacac cctaccacag acacacacga cgacaacagg agatacagtt 300
 actaaaccag caaagcaagc caggaagatg gcagaatata ctgcaggagc cagaattcga 360
 aggaaaaaga 369

<210> 8141

<211> 327

<212> DNA

<213> *A.fumigatus*

<400> 8141
 ttgtcaccgc accagaaatt ggcgatcttt cacaagtcaa aaatcttgcc tctcgaatcg 60
 caggattcta ccttactagt aagtactgtt ggacgattca cggctgctaa tctcggcaat 120
 ctacagatcg aattcccctc cgtccttctc ccgaacagca tcacatctgg cagcattgtc 180
 gatatcacag tatcgcgcaa ccattgccgt gaagctgcta gcacttcage cttccaggcg 240
 ctacagaagc ggattctcaa cacctaccgc gtgaagaccc tgccctcctt gtctccggc 300

tccgcaacgc aacaaaaaac ctcctag

327

<210> 8142

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8142

gactgcctta	gggttatagc	gcatgtagaa	ttgacttggt	cttttgacaa	gcttcctttg	60
tacagtttgt	ccggtcatca	tgcaaggtg	aagggtccgt	tctgggggtt	gcctcgggtca	120
tcagggcaca	ggctgttggc	acatcaatat	agcgttgagg	ctaagtcaca	gaagacagca	180
aatacaaatg	gtgagaggtg	a				201

<210> 8143

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (9)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8143

aaatgctcng	caacggccga	atggaagcca	tgttcttcga	ccgcgaaaaa	cgaacgggac	60
ccatccgaag	gcaacctgag	gaaaaagggtc	cggatcaacc	agggcgaaat	ctccccctc	120
tcctgggtg	actaccagaa	acaaaagggg	caacttactc	ctaaattacc	ctgccaacca	180
agccaaaaat	tcccagggcc	aacggcaaat	gcccgaacca	ccccataa		228

<210> 8144

<211> 468

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (280), (318), (346)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8144

cgagtgcgca	gcatgcccga	gaataagggga	aaggtaagct	gtcgctatta	ctctgtttcc	60
ctcccagaga	gtaccccgt	tgcgaaagtt	tttcaactgc	atttcgtcgt	atcagcctgt	120
ttggctgctc	tgacgaacg	cggccatcac	ggtatagaaa	atgacagaaa	aatcttggtg	180
tttgatattg	ccacggatgt	cttgatattt	tcctattgga	tgctaactgt	cgtcttataa	240
ggtggtaaga	acaggcgtcg	tggaaagaac	gagaacgacn	acgagaagcg	tgagctcgtc	300
ttccaagaaa	aaagccanga	gtatgcccag	gtcctgaaaa	tgctcngcaa	cggccgaatg	360
gaagccatgt	tcttcgaccg	cgaaaaacga	acgggaccca	tccgaaggca	acctgaggaa	420
aaaggtccgg	atcaaccagg	gcgaaatctc	ccccctctcc	ctgggtga		468

<210> 8145

<211> 282

<212> DNA

<213> A.fumigatus

<400> 8145

tatcctaggg	cggagaatgg	gaatcttgat	cggttgcctc	atcatgtacg	cgatcgaagt	60
------------	------------	------------	------------	------------	------------	----

agttgtcttg	gggtacatcg	tcttgaccgt	attaggatcc	tgggtgtcgt	tctccagagt	120
attagtcca	actatggcat	gttcctggct	gcgcggtttt	tgatcggatt	cggagtagcc	180
atcgctcatg	gagcttctcc	tttgctgatt	acggaactgg	tgacaccca	gcacgcgcc	240
atctttacta	ccatctacaa	cagtaaggac	aggttgccgt	ga		282

<210> 8146

<211> 825

<212> DNA

<213> A.fumigatus

<400> 8146

cctgcgatag	ctacatggta	ccttggcgcg	atcgtcgcgc	cctggctgac	tttcggcacc	60
aacaacatcg	atagtaactg	gtcctggaga	gccccgactg	ttgtccaggc	tgccccgtcg	120
atcctccaga	tcgtcttcgt	ctggttcgtg	cccaggtcac	cccgttctct	gatctacaag	180
ggtaaggatg	agcaggcact	gaagggtcgt	gccgactgtc	acgcaaattg	aatcaacag	240
gacgaggttg	ttcaactgga	aatgcaagag	atcaaggaga	ctattcgcct	tgagaaggaa	300
tttgagagca	gcagctggat	ggagctggtc	cgcaccaagg	gcaaccggca	ccgtctttatc	360
atctgcatta	ctgcaggatt	cttctcgcag	tggtctggca	acggctcggg	gtcttattat	420
attgccaaaa	tcttgacctc	gatcggatat	accagctccg	tgacgcagaa	cctgatcaat	480
ggctgtctcc	agatcttgaa	tatgattgtg	gcgctgacga	tgtgtttctt	tgtggacaag	540
attggacggc	gcaagctttt	cctggtctcg	acggcgggca	tgttggtggc	gttcgtagtc	600
tggacgatct	gctcggcgcg	gtatgccatc	gcagggaatc	acaatgcggc	caatgccgtg	660
attgcgatga	tttacctgta	ctatgtgttc	tataatatcg	catggtcggg	tcttctggta	720
gggtacacgg	tggagattct	tccttacagt	atccgggcta	aggggaatgac	ggatgatgtg	780
ctctgcattg	atcttgcttg	taagtggttc	cgacgtcgtg	tatga		825

<210> 8147

<211> 210

<212> DNA

<213> A.fumigatus

<400> 8147

cggctctgcag	tggttcttcaa	ccaatacatt	aaccccatctg	cgctggagaa	cctcgggtgg	60
aagtactata	tcttctactg	cgtgtggctg	ggcgtggagt	tgacggtagt	ttggtttttc	120
tacatcgaga	cgcgcaacac	gccgttggag	gagattgcga	agtcacttcg	gtcttcactc	180
acggggagctg	gcaggccccc	cgcttatgta				210

<210> 8148

<211> 282

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (117), (190), (254), (259)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8148

acgagtcctc	gctctggtag	cctcgggtta	ccgcaccgaa	gcggtgacaa	tcataggcca	60
gcaggctcatg	gcgcgcgggg	gcctgatcgg	actcggccag	gacacgctgg	acagcancac	120
ggcggagggtg	cgcgagatct	tgcagctact	cgtgttcccg	gcggcgtagc	cggtcctcgt	180
gcactgcacn	cagggcaagg	accgcaccgg	tctgattgtg	cttctgcttg	ctgctcctac	240
tgccggaagt	gtcngccgna	tgccatcgcc	gcggaactac	gt		282

<210> 8149

<211> 570

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (407), (480), (544), (549)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8149

atgcataccg	atactgacgt	tgacaggacc	gaacaccaa	tgccactcg	caaatgtcg	60
ggcgaggatg	ctctcgaccc	agaacaacca	tctctacctc	cttcagaggc	aaacgagcat	120
ctcgtggaga	tccccggtgt	gcagcgctcc	ctgatcagtc	taacgggcag	agcattcgaa	180
cgcgccttac	tatggcgctt	ggactgggtat	aacctcatgt	atgctcccc	caccgcgcc	240
cccacctcta	gccacctggg	ggaacaatgt	acagctattg	atgtctatag	acgagtcctc	300
gctctggtag	cctcggttta	ccgcaccgaa	gcggtgacaa	tcataggcca	gcaggtcatg	360
gcgcgcggg	gcctgatcgg	actcgccag	gacacgctgg	acagcancac	ggcggagggtg	420
cgcgagatct	tgcagctact	cgtgttcccc	gcggcgctacc	cggtcctcgt	gcactgcacn	480
cagggcaagg	accgcaccgg	tctgattgtg	cttctgcttg	ctgctcctac	tgccggaagt	540
gtcngccgna	tgccatcgcc	gcggaactac				570

<210> 8150

<211> 183

<212> DNA

<213> A.fumigatus

<400> 8150

tacaagatgg	aaatattgaa	gctggcattt	gccagccctg	agatcaaccc	tgtcaaccac	60
aaagcacggt	cgattcccg	gctgaatccc	ggtgatcgct	atgggcgcgt	cttcttcttc	120
tcctgggttg	gattcatggt	ggcattcctc	tcctgggtatg	cctttcctcc	actggttaagt	180
tag						183

<210> 8151

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8151

cggatgggca	agatggccga	cttaatcgac	tgccccatgg	tcaattcaca	atcccccggt	60
gaattccccg	cccttaccaa	ctttgggtgg	gtaagccctg	cccaggccat	ttggaccggg	120
tccgggtccc	caccgggtga	taatggcctc	aaatatgctc	aatccttgac	attcacatcg	180
ggatag						186

<210> 8152

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (200)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8152

agcgaccatg	cagttatctt	ggcttgctct	ctgatgttct	ttgctcgaca	ggcgtttgca	60
caggcaatca	agacctcgta	tccgaatcat	ttgcggcttt	ccattcacga	gtcagtgggc	120
ggcaccaagc	tatcgatctc	cctgctgaac	accaagactg	gcttcaccac	tccatggcac	180

tgcagcgtcg ctcggccgtn ttcaccaagg tgtcaagggc cgcgatag

228

<210> 8153

<211> 411

<212> DNA

<213> *A.fumigatus*

<400> 8153

agattcagat	cgcaattgga	ggccccatca	cagtgcagta	ccatgcatca	ctccgacaga	60
atgtttcaca	aggaagcagg	gatctctcat	ctcatcctgg	atatcatcct	cgagcatgcg	120
ctcaacaagt	ttgaccctgc	accggaccga	ttgcagggag	ctgcgaagaa	cttcctgccc	180
attattgaac	gattcgtcgc	tgcaggcacg	cggatagagg	cttgtctccc	cgcattcccc	240
ttcaagtccg	cgaacaaagt	atacaaggtg	ctcggtagcc	tgcgggataa	agctgaagag	300
ctggctcttg	accgtctgaa	taccatgtgc	gcgcgtgttc	gcgaagtata	cccgcctggc	360
cttcaagtgg	cgattatctc	ggacggcatc	acatacaatg	gtaggttctg	a	411

<210> 8154

<211> 477

<212> DNA

<213> *A.fumigatus*

<400> 8154

ctcggttcga	tcaggatcat	agctaaccag	tcgagccgtg	cgcctttaga	cttgcctctgc	60
atctccgac	aagacacgtg	ggcgtacgga	gaggctctac	gccagatggc	cgctcagaag	120
cagttcatgt	acattgtctt	ctccagaatc	aaagacctgc	tcgatatccc	cctgccagaa	180
cagatgagtg	aaatcgtcta	cgctcgtaac	tgtaccactt	tcgcgcgatt	gctcctcaac	240
aagtacgaga	gagccgacct	tgacatcgac	cacgagattg	cctcgaatcc	tgataccaag	300
ctgacctacc	tcgggtacag	gagggttcctg	gagtcctgatc	tcaagtatat	cttcctctga	360
ggggcgcatc	ggtctgcccc	cagctacaag	cgagattgca	agtatcttgc	caaacagatg	420
ctgatacgag	gtgatgtggg	tgaagcgacc	atgcagttat	cttggcttgc	tctctga	477

<210> 8155

<211> 834

<212> DNA

<213> *A.fumigatus*

<400> 8155

gctcaaacag	ttgcggccat	taggtattac	ctcgtctggg	atcaatgccc	tcgtctaattg	60
agtaaaggga	aactcgagca	ggtctcggct	gcttgtcacc	atctcggatt	cttcaacaat	120
gccggcctct	cagccacta	caagctgtcc	gagtcctcgt	ctccagctgt	agccgacctg	180
cgtgggtctcg	tctacgtcgc	ggcgggagat	ctgctccgta	agcatcgcat	attattcgcc	240
attcccgctga	atgaaggcac	tccgaatcct	cacttcgcct	gtctaccttg	gacgatctc	300
cgtcggagca	ttgcctttct	cgaacgatct	gtaccgttag	ccagtgcggc	cgaagagcaa	360
gacaaagagc	tggacgcaat	cctcgaggag	cagcacaaca	tcgacttcca	gactgactac	420
ggcacttttg	cgttttggcg	cctgattatc	ctacgatcca	aggggaagaaa	cgatttcaca	480
gcctccttca	tctaccacca	tgccattggc	gatgggtctc	cgggtctcgc	tttcocacaag	540
gcgttctgta	acgtctctga	agctgcctct	tcctctactt	tgccctccga	cagggctgag	600
aacatcatcc	ggccggatga	gaacacagtg	gttcttcttc	ctctggaaga	attgcatccc	660
atgccaatca	gcccgcgcca	gcctcccctc	ccaacagcaa	gcccacaaaga	gtggacgggt	720
gcctccatcc	acctcccgtg	caagtcccgc	tgggcgtctt	tgtacatctc	gccgagcgcc	780
tccaacgect	tcgtccagga	gtgcaaagag	atgaaactct	ctgtcacctc	tgct	834

<210> 8156

<211> 1815

<212> DNA

<213> *A.fumigatus*

<400> 8156

aagtggaaaa	cccaggaagt	gttgcaggat	cctgggtgcag	aatgggttatt	aggaaaaagaa	60
gaacttcgcg	catttcgcgc	taaggcgggt	atttgggaga	gagatccaca	tattagtcca	120
catagggaca	acgcatcttg	gagaccggca	ccccattttg	ccactccggg	ggtaaaccgt	180
gatagagctg	cgggcgtgaa	caactgcaagc	caaggcactg	attacgacgg	gtcgggaagag	240
tcgtttcagc	aggcacaaac	ggaacccgca	tcccagattt	cggccattga	aaatcttggt	300
gccaatgaca	tgtgcttacc	cagccccagc	ttgtgcgctg	tggctgccct	gaatgcaatg	360
aatgtggatt	cctcttttga	gtcggcagaa	gaccaagaga	tggatacggg	ctcaagcctc	420
gataataatg	cctctcgact	ttcaaaccga	cggcacttgg	acgattcaaa	gaccataaat	480
ctgtctcctt	ccagatctgg	aaatctgccg	ggcgcttcag	aaatccggca	tgcttcgtct	540
ttgatggata	taccagtggt	actggacttt	tttgactcgg	ttccagaaga	actgaaaact	600
tacctgatgt	atcagttttt	gaggagggtg	cccaagccaa	cgctgcattt	tgtggccgac	660
gtcgtcaatc	cagcttttga	gtgcgatttc	ccttgcgctt	ttcctctgga	gcttagtctc	720
aacattgtca	agtatttcga	cgtttcaaacc	atgtgtcgtg	cagcacaagt	gtccaagaaa	780
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cgcgactcta	gtttgcgagt	ttggaaactc	ccgaaaccag	gtgatccggg	gtactaccag	1740
agtggacccc	atgccgatga	tactgattgc	ccttatttca	tccgtgttct	tactggtcat	1800
cagcactctg	tcttc					1815

<210> 8157

<211> 819

<212> DNA

<213> A. fumigatus

<400> 8157

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cccgcaggac	ccggccacct	acgagcccca	tgccccgttc	tcaactcgct	tgcaaaccac	180
gggatcattg	cacgtagcgg	ccgcaacatc	accgcgcgcg	agttaaaagc	ggcgctccgc	240
tacctgggca	tgggcatcga	tgtcatcaca	atcctcgctc	acggggcggt	caaagttcac	300
tctgacgacc	cgaagaaagg	tgccctgctc	ggactacgag	ataaagacca	gacgaacgaa	360
gacgggtgtac	ccgtgctgaa	cctcgaccag	gtgggcccgc	ctcacgcctg	ggagcacgat	420
gtctctgtaa	cccacagga	ccgcgccttg	ggcgactgca	tgcgtgtgaa	tgccgacctt	480
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aagtatcgca	agactcggtg	caacgagcaa	aagagagaca	atccggcttt	ggagttcgat	600
aggttcaatc	acttcagtgg	atgcgcggag	ctgggagcgg	ttcagtgat	atttggtcgg	660
gggttcccg	atcgtgtgcc	agaggaatat	ataccagtg	tgtttgggtg	ggagcgtcta	720
cccatcgagg	agggatggaa	gccaagacga	ttaccgctgt	tgttgcccga	gcttgccgcg	780
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<210> 8158

<211> 564
 <212> DNA
 <213> A.fumigatus

<400> 8158
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 atctcagtg attacatcta catcatcgcc atgacactga tcacttccat tattctttat 180
 ccgggaggtg accttgcta tattgacatc ctcttcttct gttccggcgc ggcaactcaa 240
 agcgtctca atacggtaga tttcaacaag ttaaaaacgt accagcaggt gatcctctac 300
 ttcagctcca tgctcacgac gcccgat ttt tatccactcc gtcctcgtct tcatccggct 360
 gtattggttc gagaaacggg ttcaacacat cgtgcaggaa acttgagcga tgcgctctac 420
 cagggacgag aaatgccaac cttgagatct gaaaaggaac ccacttttctt ttggaaaggg 480
 agggaagctt gcattgggtct tcccccaaa tgtggggctg gcccaaccaa tccccaggaa 540
 ttcaatgaaa aaggtcccaa ggcc 564

<210> 8159
 <211> 654
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (278)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8159
 caatggagct cgctcgcgca gtttacagcc tgtcctccca aaacacttaa tggctcgcatc 60
 accttaaaact tttatttttc cagagatcaa atgggttctat atcaactagg agactgctac 120
 aatgtagata actatgtaag tgtgcattac gttcagacat tgcgaaatat caccgcgttt 180
 agatgctcgc tctctccatc ctcttccacc attcgccgga ataccgcgtt ctttagctgc 240
 atgagagccc gtggagaagc gaattctacc actttacntg cgctcgagcac cagaatccga 300
 tcaaagtcag cgacgggtact gatacgatgc gcaatcacia gcatcggtgt tgacccttgc 360
 ccaaagccgg agcggataga cttctggatc accttgtag tagcagtatc tacggccgat 420
 gtggcttcat ccagcacaag gatcttgggt gcagtaagca tggcacgagc taggcagagc 480
 agttgcgcgt gccctgcga aagggtcgat cctccctcgg cgacacgagt gtcgagggga 540
 gacatgtgtg tcttttcttg caaagattcc ggagatgatg actgccagct gggcgcttta 600
 gccgctgttt ctctctccgt cgaggacgtg ctacatatt gtgctaacca ttga 654

<210> 8160
 <211> 1254
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1), (1129)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8160
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 gattcattca tcaatagaat gcatggactg atcgatcgac atgctcgtgt ctattggaat 120
 ctttgccctct tgaatcattg gctgaatctc cgtgtcagca tgagcgggtgc tctgtttacg 180
 actgcagcgg ctatgacgtt cactctcctg caagatctga aagcgtcatc aaccgggtttc 240
 ggcgacggtt ttatcattca gctgagcgca gcgcttgcca tggcgatcag aatgtatgtc 300
 atgttcgact tggacatgaa ttgcgtggaa agagtgttgg agtactctga gatcaagaca 360

gaacgatacg	atggccaaga	tgccccggct	gcatggccgt	ccaaaggccg	tttgcaagtc	420
gaaaatctat	cgggtggccta	cgcgccctaac	caccattgg	ttctccgcgg	tgtaagcttt	480
gcagccgagc	ctaatagaacg	aatcgggata	gtaggtcgca	ccggagcggg	caagtcgtcg	540
ctggcggttg	ctctatttcg	gtttctcgaa	gtcaggaag	ggcgattct	catcgatgac	600
gtcgacatca	gccagatcaa	gtcccatcat	ctgcgtctc	gaatgggtat	tatcccgcga	660
gatccgacac	tgtttgccgg	cacgatccgg	tccaacctcg	atcctttcca	cgagcatgat	720
gacagcgatt	tgcttgctgt	tttggatcgc	gttcaatgg	tagcacaata	tggtagcacg	780
tcctcgacgg	agagagaaac	agcggctaaa	gcgcccagct	ggcagtcac	atctccggaa	840
tctttgcaag	aaaagacaca	catgtctccc	ctcgacactc	gtgtcgccga	gggaggatcg	900
aacctttcgc	agggccagcg	gcaactgctc	tgcctagctc	gtgccatgct	tactgcaccc	960
aagatccttg	tgctggatga	agccacatcg	gccgtagata	ctgctactga	caaggtgatc	1020
cagaagtcta	tccgctccgg	ctttgggcaa	gggtcaacaa	cgatgcttgt	gattgcgcat	1080
cgtatcagta	ccgtcgctga	ctttgatcgg	attctgggtg	tcgacgcang	taaagtggta	1140
gaattcgctt	ctccacgggc	tctcatgcag	ctaaagaacg	gggtattccg	gcgaatgggtg	1200
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<210> 8161

<211> 465

<212> DNA

<213> A.fumigatus

<400> 8161

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ttgtcattga	atcttctccg	cagtgaagtc	gcagtcgcga	cctgttttcg	ctttacaatc	120
atctcacaaa	gaaccaccac	cacaaagacc	aagcacagca	tggcaccccc	agctgtaacc	180
gcattgcagc	atctctccaa	tgcctcgcga	actcccagac	aattatctag	ctcctcgctc	240
tccattgatg	gcgtcactcc	cgacctagag	gcattctctc	gatttgccgg	cgcgagctt	300
acccacgcag	ctggcatcct	gctacgtctg	tcgcaggaca	tatttgcgca	ggccatcgctg	360
acttatactc	gcttttggat	cggccctgaa	gggggaagca	tgcgtattta	ttcagtgaag	420
gtttgtccgc	taaggttcaa	ttgctgtatc	ctcgtagcta	actag		465

<210> 8162

<211> 759

<212> DNA

<213> A.fumigatus

<400> 8162

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tcaccccttg	gaaacggatc	gatgtctgcc	aacaatgtc	ctgccgcgac	ctcacgtcca	180
tcgaacaagc	cgctacggaa	aggtcgcaca	actcctgcac	ggccaaccat	gacttcatct	240
cctcttgccg	atcacgtata	tgcccttcg	cacttaaacg	accttctctc	gccggcgacg	300
agtagtccaa	gtgtgggtcc	gaacatagga	ggaggaaatg	gcacgcctcc	atctgttgat	360
ctgcctccat	cccgacaagc	atccacgcct	gggatggata	ccctcgcaga	tttggcgctca	420
atgcaacatc	atcagcccca	gcgttccaat	acctccattc	tgccgcggcac	agagtcctat	480
gagagccaac	tatcgccatc	caccatgtac	cctcatgtta	acccgatctc	tcataatacg	540
cctactccca	ggacttcgtt	tgacatcgca	atgtcggagg	gcccagagga	aggcgctgct	600
cggaggaact	atgcggacac	ttctttgcgg	cccgatgctc	aaaggatggc	gacggagctc	660
ttcgctcaga	ttcaagacaa	tccgcatatc	tacgaggcgc	acgtgaattt	tatccgtctg	720
ctccacgagg	gctttgtcaa	ccatgtctac	cgcaccaat			759

<210> 8163

<211> 288

<212> DNA

<213> A.fumigatus

<400> 8163

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aatatacgga	atctgaatct	tatctggcgg	agtaaccaga	aagcctggat	tacaacatta	180
atattttacag	actttctctc	ttggtttgat	aagcagatga	gtggacggaa	tggtgtcctt	240
cttatagata	acttctctgc	tcatacaagct	actgtaacag	agatttta		288

<210> 8164

<211> 681

<212> DNA

<213> A.fumigatus

<400> 8164

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cgataccagc	ctcttgatca	agggattatc	cactgttgga	agttatactg	gaaacaatac	120
tggattcgct	tcatacttca	agagtttgag	cttaattatg	atttaattat	attaatgaac	180
attctacgag	cagttcgatg	gggaatccag	agctgggaat	ttgaactttc	tgggcaggta	240
atccagaatt	gctttcaaaa	ggctctagat	tctcaaccat	catatcaaga	gcctgtcaat	300
ccagcagttc	tggatgatat	acagaatgct	ttctctcttc	ttaagctctc	tacgcctatc	360
caggacctaa	tagataattga	tacctttctg	aaccccgag	aggaagctat	ccaggatact	420
catgaagata	ttaagagcca	gattctagct	cagtatgggc	cagagcttga	tgatgattct	480
gaggaggagc	ttgaaattct	accacaaata	tcacttgatc	aggcattgga	agcactaaga	540
acactttggt	tatatgagga	gcagcaggca	gagggcattc	ctagccttat	atatgagcta	600
gataagcatg	agcgtatcct	ttggggctga	aagctgagcc	tacagactca	gcgggatatt	660
cgaagctatt	ttacaggcta	a				681

<210> 8165

<211> 1605

<212> DNA

<213> A.fumigatus

<400> 8165

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tcgatcacgc	aagagacgga	ttttttttca	tactatcgcc	ttaaatttatt	caacaagcaa	180
tgcccgttct	gggacgatgc	caacagcatg	tgtggcaata	tcgcctgttc	cgctcaatata	240
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ggtcctaaag	ccggccatcc	cgccgcgcaaa	cttcaaaagg	aacggcccag	tgacaaaccg	360
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aatcgcttta	gaaacgtgag	cagattgatg	gactgtgttg	gctgtgataa	gtgccgactg	1140
tggggcaagc	tccagggtgaa	cggatattgga	acggctctga	aggtgctgtt	cgactacgac	1200
gagaccaaga	atggcgaaaa	tccaccacta	cggcgaactg	agctggctgc	gttgatcaac	1260
actctggggc	gcatttccca	tagtttggct	gctgtacgaa	gcttccatcg	tgccatggat	1320
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ggcggtcgga	aagcgaaggt	cctctacaag	gatggagggt	cgacgttcta	ttacgaagac	1440

gacgaagacg	atttcaaata	tgcgacggag	agattaccat	gggagaggag	accgtataag	1500
gaatcggata	ctgcttgggg	cagtttttacg	gctgaattcg	aggtgggtgtg	gaacacattc	1560
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<210> 8166

<211> 1125

<212> DNA

<213> *A.fumigatus*

<400> 8166

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ttccgggtctc	ctaaagctca	caactgggtat	acggccgtat	ttgttcccga	gggcatgaaa	180
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cgggagcatc	tggctgcaaa	ccccggagac	atcagcgacg	tggccatcat	tgcctgcctc	360
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acgctcgagc	aggccgtgct	cgaagcgag	gtcaacatga	gcggctcagt	cgaggccctg	1020
ctgcagatca	tgctggagtg	caacgacggg	acgcccacac	ccagcaccag	tcccaacctc	1080
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<210> 8167

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 8167

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gaccttccat	cgaactttat	cctcttccat	attggcaocg	ctgaccaagt	taacacgggg	180
atcaagaccg	gactgaagga	aaagatttaa				210

<210> 8168

<211> 810

<212> DNA

<213> *A.fumigatus*

<400> 8168

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cctagctgcc	agttgatata	agttggcctg	gtagatgcta	ttctccctag	tatcattctc	180
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gagaaatgga	ttcccatcct	gcaagaggat	tgcaaaagcct	tatccatgga	tgtaggagtg	360
ctcctactct	ccgatgaaga	ttcctgcaac	accaagagag	tagaatctag	agggcttgct	420
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gataaccgcg	ctctgctttc	agtctggatc	cctcccgctca	ggtatatggt	tctacagaac	600
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tctggatttc	gttccttctt	ggatagtcta	cctcttaaga	acgtccttgc	cggtgatatg	720
gccgacgctg	cattgccgga	actgactggt	ctatttgcct	ctttacaagt	ggccaagaag	780
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<210> 8169

<211> 957

<212> DNA

<213> A.fumigatus

<400> 8169

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agaatagcag	cactctcact	cctgatagca	gcacctgcca	ctacaaaacc	tctttcatct	180
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aaaacagaca	tgcggcccac	cgctcctat	cctcgccata	tcatggctct	gaagacatta	480
aatcttttcc	ttcagtcocg	tcttgatccc	cgtgttaact	tggtcaggcg	tgccaatatg	540
gaagaggata	aagttcagtg	gaaggtaaac	atcgaagtat	tcgaccgag	tcttatccga	600
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<210> 8170

<211> 249

<212> DNA

<213> A.fumigatus

<400> 8170

gtagacacc	aggctagata	tggactacag	agcgcatccg	ggtctggaag	tgcagggcca	60
aacgccatgc	ttttctcgcg	tggtaatacg	cagccttggc	tcgactggct	ccaacaactg	120
atctcgggac	atccaactcc	aatcgacctg	aaacaaatca	ccacttgcca	aaaaaagtac	180
ccagatgagg	caagagccgt	caaagtcggc	gtcaaccgag	cagtgaatcc	atggacaaga	240
cctgcttag						249

<210> 8171

<211> 342

<212> DNA

<213> A.fumigatus

<400> 8171

aaaatttccct	gtttttcttc	taacccaatt	ccgtccgtcc	ccacttttgc	cctcttccca	60
catttttcagg	gggaattata	cttcggtttg	gtcatgggta	ttcgggtcta	ccatcctcca	120
ttggaatccc	tttccctttc	ccttcttcca	ctgggtctct	ttcctcctcc	tgcgttcttt	180
gtctcacagg	ttccctctgc	attaaatatt	ccctattcta	acctttcact	attggtcctt	240
cttttgatttc	tctactccct	cacgtctcct	gtcgttaaatt	ctttccttct	cgtatcctct	300
cgtctctact	ttctcctact	tctctcgcac	ccggacttct	ga		342

<210> 8172

<211> 576

<212> DNA

<213> A.fumigatus

<400> 8172

tctgatccct	tcctcattgc	ttcacatcaa	gcccatactc	caacgatgag	tgaccccaac	60
accacagccg	tccggcccg	cccccgagtc	gggttcgcga	ctattatcct	tggaactgatt	120
gtccttggtg	tcctccgctg	ggcatatgcg	tgctacaaag	ggaaccagaa	gtacaagttg	180
ccggcgcgcg	tccccggaat	ccccattcta	ggaaacagtc	tgcaagttcc	tgccgttcag	240
caagggccat	gggccaaga	tctggctgcc	aagtatggcg	aaatgtatgt	gggcgttccc	300
tttcctagcc	tcccgctcgc	cgaggatgtc	gagctcaagc	acaagcgtaa	caggttcaact	360
tgctcagttg	gcggaagcac	gtgggtcttt	ctgaactcct	cgcggttggt	gaaagacctt	420
ctcgagaagc	gcgcccgcg	ctataactcc	cggccgcctt	ttcccatgac	ccaggacaat	480
atctcgcgcg	ggggccggat	cgtgctgatg	ccgtatgggg	agcgatggcg	cctggtccga	540
cgggtcatgc	accagatcct	cagcgtcacg	aactag			576

<210> 8173

<211> 852

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (839)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8173

ggtctacaag	cgcgaggtcg	acaaactgga	acaacgaatc	cgagacggta	cgcagcgaag	60
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ctcttcgtct	ttggctcgct	catggaggcc	ggaagcgaca	cgctcgcgct	gacgcttggc	180
cagatcatcg	ccggagccat	cacatacccc	gactgggtga	cgagggcgcg	ggagcaactg	240
gaccgcgtct	gcggagccca	cgccgagcgc	ctcccggggg	gggatgatcg	cccgcgcctc	300
ccgtatatca	cgcccggtgt	gaaggaggga	ttccgctggc	ggccgaacat	tgccgaaatc	360
ggcgccccga	cggtgctgat	caaggatgac	gagtaccaag	ggtctcgggt	ccccaaaggg	420
accgtgttta	cttggaacgc	gtgggccatt	gccttgagcc	cgatgagta	cgagcagccc	480
cagcgcttct	ggccggaccg	gttcttgaat	gaagatctgg	aaaatgcgct	caagggccat	540
ggggcatttt	ggcccggtat	ggtgcttcca	aatcacctga	gaaaacaatt	acattttccc	600
gttaaccaaa	tgacaggacg	cgggtatgtg	gccggatgga	aggtccgaaa	aacaaacgtg	660
tggattgcaa	ttgctcggct	gctatactgc	tttgactttc	accagttcc	tggacaaccc	720
attgatacga	tgccgattcc	gcaattggct	ggcaatgcaa	cttcattcgc	ggcgcgagtt	780
tctgtaccga	gtccggcaca	cgcagaactc	attcgcagaa	aatgcgcccc	ggctgtcana	840
actcattatt	ga					852

<210> 8174

<211> 1626

<212> DNA

<213> A.fumigatus

<400> 8174

aatcgtttct	cgccaatcac	tgtagcctct	ggattgactt	tgggaactgcg	atcaataggg	60
aacggggccat	cggctatgat	cctttcattc	attctgcacg	gtcatctccc	gtactactcc	120
ataaatcgtc	cgcatcccga	ccctctactc	catgcgaaac	ttaaggacaa	tccggactta	180
ctggatgcgc	atgtagcggc	tctgaccgaa	catttccaag	cctctcggct	gtcgtactcc	240
acgcaggctc	tcccagtcaa	tgttctgctg	gacacactcg	tccggccgag	catcgatgtg	300
gatgtgggag	atgggtgaaac	cagagtggaa	tggcgatacg	tgcttgaaaa	ggcgcctcct	360
cacttggtat	tccgcaatgc	gccgaaggcc	ggtggtcaat	ggaatgacaa	cctgggtattt	420
gctagctggg	atattcaaac	tttgagctat	gcgtcaatgc	tgctccttgc	gggatattca	480

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tttgcgtgagc attaccgtaa ggtcaatggc aaggatcttc ccgcattcac gcggcccacc 540
aggaggggaga ttatggacta ttccagcgcc taccctgagg cagttgggat tgatgactct 600
ttccacaata accaaagtct tagcgggtgc acaagaactg caaatggttt cttcatttct 660
ttccacaata tccattgcaa gcatctggtc ttggcgagtg gaatattctc ggaagtgtctg 720
cagccgcttc cgatgctaca accccttcga ttctccagc cgaccccgga aataccgctg 780
cttggttatag gatccggctt ctcagccgcg gatatcataa tatctgctcc gacgcaccag 840
aaaatccttc atatatatta gtgggatccg gaaggacatc cttccccact ccgcagctgt 900
caccagcacg catatccgga atatgcggga gtgtatcgac tgatgaaacg agctgctctg 960
gccgccgagc cagctgcagc caaacgcctt ggcaaaccac ggccgacgac atcctctccg 1020
ttccttgaaa gtcggggcctg ggatacgggtt tacgagggcc ttccaaacgc agaagtgatt 1080
gccgtgaata tgcaatcgga agctgcagtg gtaactttta ggctaccgga cggaagcaca 1140
gtagaacgaa ccgtccgtgg gctagtgtat gctacaggtc gtcgtggaag ccttggctac 1200
ctggataggc cccttctttc cgacgtcctc ggggtgtccc atggagcaga acccagcccc 1260
atcatatccg gcgagacatt gagagcaaag gcgttgagg atctcgaagt cgctgatgac 1320
gtctttatta ttgggagcct caccggcgat tccctcatcc ggtttgcta cggcagttgc 1380
gtgcagacgg caggtcgact cattagagca cataccgggg acgataaatc cgagtcaaaa 1440
acgccaaact cttccagacc acaaagctca tcttgcgctg tgatgaacgg catggagggt 1500
cacgaaatct atcataacgg cgattattac caggaactgg agaagatcga ttctgaggcc 1560
acaaccgccc ctcctctgag tctggagagc ctatggagcc ggatgatgag gttttggagg 1620
tcatga

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<210> 8175

<211> 780

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (753), (766)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8175

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atccatcgat acgccaata caaaggcctc aacgggtgat gcatttatga ctccccaac 120
agcttttctc tcgacacgaa tacgcttatt ctgtttatct tcgtgctctg tgtggcgctc 180
gctttttcgt acgcgtactt tctcggggcg cgctacttct cgaagtgtgt catctgggtg 240
actgggattc tcaatattgt atttgcgctg gcgactggca tctactatat cgcgcggaaa 300
cagtacggcg ggggcatcgt gttcctcctc tttggcgtct tcgccatcat ctgcttcac 360
agctggatcc cgcgtatccc gttcagcgca ttcattgctac agacgtccat tgacgtgtcc 420
cggaagtacg gccatatgtt tatcgtgagc acgattggcg gtctcgtggc tgtggccttt 480
gctgcgtggg tttcagtaac cctggtctcg atatatgtgg catatgagcc gagcagctcc 540
ggcagtaacc cctcctgcag cgacggcgga tgtagcaggg cccgagtcac cgggctggtc 600
gtatacgtca cgttcgccat gtactgggtt agcagtggtc tgaagaacac gattcatacc 660
accatcgcg gtgtctacgg gtccctggtac ttctggagcc agtcgccgat tggcatgccc 720
cggggatcaa cgcgggtgca ctcccgcgcg ttntttacgc aggcncgcga tacataccac 780

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<210> 8176

<211> 378

<212> DNA

<213> *A. fumigatus*

<400> 8176

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attgatcttc ttccctttct ctattttcat cgttctcccc ttctccctc cgtcactact 60
tggttggttg ttcccttcca aagggtatacc atcatgagcg gacagcttcg aagttactac 120
aatcccagcc agtcgtatgg tgattttcaa cctgggatgc aaaatcccca acaacagcct 180
gattactaca acaataatgt gagcaatcat gggtagcagc caaactttca acgcggacct 240

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gagcccaagc	ctccgaccga	gccaccacca	acgtacaatc	aggccgtcta	cgggtttgac	300
gacgcgttca	agatcgagcg	acccaagtac	cacgatattt	gggccggtct	actcgtaagt	360
ggctgcacac	tcagttga					378

<210> 8177

<211> 234

<212> DNA

<213> A.fumigatus

<400> 8177

ctacaccaag	cccttgaagt	aagttttact	gttgtegggtg	cagcaatgct	acgcatgtac	60
ctagatgacg	agattggcat	gaaagcattg	taccctcgac	ctgaaacctc	gcaaacaaat	120
cttcttccag	ccattctcaa	gccctgtaac	acctgtgaca	tgctcacggc	agtgttggag	180
cgaggtactg	acagtctggt	aaggtagcta	tttgatgcag	gctttctgta	ttga	234

<210> 8178

<211> 1719

<212> DNA

<213> A.fumigatus

<400> 8178

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gtctcccaca	ttctttacga	gaaaggctgg	gaagcacaaa	gcaccttagc	agtcgccaag	180
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gagtgcacct	gtcccttccg	ccagcaacca	gaacagattg	gggaaggcac	acccaacgat	360
actctactcg	attggctaca	agaggcagtc	ggagcattcc	aaacctcatc	acacgcctct	420
acgtgcagcg	aatcaggcga	tctaccatcg	tccatagtcg	aggagaaacc	tttacagccg	480
actacaaatc	gtttccatat	catgatgtcg	aaccaacctc	ccttctcagg	taaacctggg	540
gaagatgtgg	atctttacat	tgaccagtgt	cggtttatgt	gggctgggtg	gagcttagac	600
cctgaggaaa	agaagcaggg	aatagctact	acgctttttg	tgggcctgag	agaagccgct	660
cttagattcg	gccgtacatt	acccaagacg	gagaggaagg	actgggagaa	attagcccaa	720
catctccgag	caaggttccc	agaacaagag	ccaagcgacc	ggatacagga	tgccatcatg	780
aggctttcag	agttacggca	gggaacgaaa	agtctgaggg	ggtatattga	cgaagtccaa	840
gagctcacaa	tgtctattcc	ggatgattgg	ggtcaatccg	tcggttcaat	gttcgcccgg	900
ggactatcag	atcccatgac	gcgaaaagtt	ctgaatgctt	atatacaagc	tcagaaagca	960
atgtccaaga	cgggtcaaat	tgaagaactg	attcgtatgg	caagagcatg	tgaagacgag	1020
gcaactgttg	ttgaggaggt	gactgcatcc	agatcccag	acgagatgtt	tgcagacgcc	1080
cttaataatc	aaagccaact	aattgggact	ctcgccgaac	agctttcaag	gatcaatcta	1140
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ggacagagag	tgtgcttcaa	gtgtgggcaa	acaggccata	tcgcaccaat	ctgcacgaat	1260
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gaccaacca	ccagcacaa	ttcggcagct	attacgggag	tagaatcgaa	taacattgca	1500
cgtgtccggt	ttgtggacag	cgaaagtga	gaagtggctg	aatggaatgc	catcgataga	1560
gttaacgcag	tgcttctcag	ctccctgtcc	ccaatagatg	tccacatccc	gcaatcgagc	1620
aatgcgctag	tggaactgca	gcgagtctac	gccgccggag	atgaagacgc	aggtggttaag	1680
cgggcccaagg	tggaataccac	gagcgatagt	caactctag			1719

<210> 8179

<211> 252

<212> DNA

<213> A.fumigatus

<400> 8179
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 gttaactcta tcgatggcat tccattcagc cacttcttca ctttcgctgt ccacaaaccg 120
 gacacgtgca atgttattcg attctactcc cgtaatagct gccgaagttg tgctggtggt 180
 tgggtccact cgacgcctgg actccagtcc aaatgctccc ccttgaggct gaattggtct 240
 attcgtctct ga 252

<210> 8180
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 8180
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 gtctcgctta ggaccacgct acgttctatt caattcactg atgtttgtat gcatgtgagt 120
 agtatagagc tcatatcact cttcagcttt ctttcatgcc tccccaccag ctcaatccat 180
 attgtcagcc tcaaaatgga aagtgagtgc cagtgtgaag gtggcaataa ggacttccct 240
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 cgcatagaag agatcctctg ggagcggttac aacactgatt accaccagcg cagggctgtg 360
 ttcgaagcgg aggaatgcaa gaccaaggac cccgtggctg tcaagttctt cctggagtgt 420
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<210> 8181
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 8181
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 ctggcttgct gctctggcaa cttcacagcc agccatagtt gccgctgttc cagcgtaaaa 180
 tatccactca cgacatcaag tagatcaaac ggtccaccga tatag 225

<210> 8182
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 8182
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 acgggctata ctccaagta ctacggcaag agggagatgc atcaggacct ggcttttgag 180
 aaccccggcg catacctgtg gatactggct tttggaacac tttccggacc ttttaattttg 240
 gctgacacgc cctccatttg gtggaagggg gga 273

<210> 8183
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 8183
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 aatgggggtt acagctctgc tctgtcggat gccgtcgggtg gtgagagcag tgctcccacc 120
 aacaccgcaa atcccaccca gagcaacaat aacgacagta ttgtaccctt gacgaatggg 180
 gttgcggggc atgcgtcatg a 201

<210> 8184
 <211> 1173
 <212> DNA
 <213> A.fumigatus

<400> 8184
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 gaccatacca tctcctggag catccagccg cacaagaaat ccctcaactt tggcatcttc 180
 aagcatcccg gccattccgg tgtcctcagt tctaccaatc atcctgccgg cgactatcac 240
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<210> 8185
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 8185
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 tatacttata gtagtcctag acttatagta tgtctggggg tttttagaat attaaactata 180
 ttaactgatt ttactaaatt acaagattat tag 213

<210> 8186
 <211> 594
 <212> DNA
 <213> A.fumigatus

<400> 8186
 gaaaaagcat tccaccggcc ggcccttctg ctctcgtat cacaccacca gtccacaaca 60
 gctacgaatc ctctccccag aatgtgcgct ctagtcacct attaccggcg cgaaccactt 120
 gacgaaacct gcgagaagga gaccaatccc ccggcatgtc tgctcccccc ctccaccacc 180
 tcaacatcca cctcctcctg ctacgcctcg ctttccttgc tccccatcca gatccacctt 240
 gcaggtcacc aaaacccctc cttctgggac gactacagcg cccaccccag cagaacgcgg 300
 catagatgcc acctcttctt ctaccccag tccgaaccgg gcttcgcaga gcacccgagc 360
 tcgacctacg actggctcag ctgcgcctc gcctggagcc gcgcgatgga ttgtctcaag 420
 cgcggttctg gctggcccgg cgggagctgg aagacgctg atgtcgagac gatctgggag 480
 gaatactggc ggactctgct cttcaatgcg ggccgtcact ccgaccggga cggatagccc 540
 gccaggttca tgaagatgat gatcgggagt ggtgatccga gcagtctgtt ttct 594

<210> 8187
 <211> 1794
 <212> DNA
 <213> A.fumigatus

<400> 8187
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 c c a c a t a t a t c c a c a t a a a a a t g t c t c g t a c a g t g g a g t t g g g t c g c a a c c a c t g c g a t g 120
 g c t g g c t g t c c t t c a g a g c a a c a a c g c c t g g t g t c a g a g a c g a a t c a g g c g c t t c a g t t a 180
 g c c a c c c a a t a t a g c a a a g t t c a g a g g a g a c c g g g c g g c a a c t g g c g t g g a c a a a c c g g g 240
 a t c a a c a g c a t c g c a a c a a c t g c a g a g c a t a t c t t c a t g c a c c a g g c t c t t g g c a g c a a c 300
 t t g g a t a c a g a c c g a g a t g c t t t c a t t t c a t g g t t t t a t t c t g t c c a g a a c t c a g a t g g c 360
 t c a t g g g g c a t c a g c c c c g g g a c c g t g g c g a t c t t t c g g t t a c g g t t g a g g c c t a t c t t 420
 g c c t t g a g a a t t c t a g g t g t c t c a c g g a a t g t g c a t c a g a t g c g c a g a t c t c a a t c c t t t 480
 a t c c t t g c g g a a g g a a g c a t a g c a a a t g t t t g c t t t a t c a c c g c a t t c a t c t t g c a a t g 540
 t t c g g c c t a t a t c c t t g g a a t g c g g t t c g a a g t c g c c t c g g a g t t g g t a t t g c t g c c t 600
 c a a t a t a t c c t c a g c a g t a t a t g t c t g t g g c c a g a g t a g a c c t t a c a g t g c t g a t c c c t 660
 c t c c t c a t c c t c t g c c a c c a t c g c c c a a t t t t c c a t t a c c a t t c a g g a c t g t g c a g c c 720
 a g c t c a t a t t t g c a t g a a t t g c a a t g c a a c c a c a a g a a c c g c a a g a g a a t g c c t t t t g c 780
 g c t t t c c c g c c t g g c a c t t g c g g g g a c a c t g c a c c c g g c g t c a a c c t c c a c a g a c t t g a t t 840
 g t a c a t c t c c t a a a c t t g c t a a a t a c a t c c t t c c g c t g c g a c g c t a t g c g c t t g a t c g g 900
 a g t g t t g c g t t c a t c c t t c a g a c c g t g c g g g a a t g g g c g c g t c g g g c c t c t g t c g c g g 960
 c c g c t g c a c a t g g c g a t a g t t g c a t t g g a g c t g g a g g g t a c t c g g t c t c a t c t c g t t c t 1020
 c t a c g c a c g a c t c t g g a c a a t a t c g g a c a c t t t g t g t a t g a g g a t g g g g t g g a a a g c g g 1080
 g t c t t g a g t g t g a a t a c a a c c t t c c g c g a c a g c a g t c g c a t g a t t a c g g g c t c c a a g a t 1140
 g c t g g c a t c g c g t g a a t g c c c a t g g t t c a g g a c g t c t g t a c a a t g g c t g c a g c g t t g t 1200
 t t g c t t c c a g a t g t t a a c a g t g a c a c a t c c a a g a c t t t t g a g a c t c g t g t c t g t c a t g t g 1260
 g a t g a t g t g g c a t c a g c g a t t c a c g c g g t a a t t c g a c a g g a t c c t c t c a t g c t c c g t c a 1320
 c a c c t t g t c g c c a a c g c t c t c c a a t g g c t t c t g a a g c g a c a g a a t g c g g a t g g t g g a t g g 1380
 a c a t c t c t a a g c a g c a g t c a t t a t c g a a c t t c a c c g g a c a g c t t g t g c g t c a g t c a a c g 1440
 c c a g a c g t g a c t g g g c a t g t c c t c g a a a c c t t c g g c c t g c t t c t g a c t g t g a g t c g a c g g 1500
 g a c a c g a g a g c g g t t g c g c a a g g g a t a t t g t c g a t c a g g t c g c a t c a g c t t c t c g a a g g 1560
 g c a a t a c a c t a c c t g t c t g c c a c t c a a c a a c c c t g c g g t g c c t g g t t t g g t g c t g c a c c 1620
 a g g t a t c a c a t c t a c g c g a c a a g c g t g t c c t c g c g c a t t g g c c t a t t t c a t c g g g g t c 1680
 a a a g a g c g c a a c a g a t g g a c c g a g a g a g a t g a c a g t a t c a a c g a c g a c g t g t c t c a a g c g 1740
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<210> 8188
 <211> 336
 <212> DNA
 <213> A.fumigatus

<400> 8188
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 a a g g a g g t c g c a c a g t c a g a g t g c a g a t t c g g g c c g g c a t a c g c a c c t a a c a c t a c a t t c 120
 c a c g a a g t c g t c g g c g a g t t c g t g g a t a t c a a g t a c g c a g a c g g g g a g a t c c t c t c c g g c 180
 g t g a t c g g t a c t g a g a a c g t a a c a t t a g c c g g c a t c a c g g t g a a c c a g a c g a t c g g g g t a 240
 a t g g a t t a c g c g g g t t g g t a t g g c g a c g g t g t c a c g t c g g g c t t g a t g g g t c t c g c g t a t 300
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<210> 8189
 <211> 396
 <212> DNA
 <213> A.fumigatus

<400> 8189

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gtcatgaacc	gcaatgcttc	caatggcaca	gcagctgggt	acctgactct	gggtggattg	180
ccacctgtcg	acatcaacgg	gaatttcage	accacgccta	tcctgatcac	gaatatcaag	240
ggttatccaa	aggattatga	tttttacgcc	gtcaatatcg	atggagtggc	gctaggcaac	300
aggagcttgc	cagaggctgc	cgggtggcatt	cagtatatgt	taaggatgta	ccggggtagt	360
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<210> 8190

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8190

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acaatcacca	acgcggcttg	tcttcogatt	atatactatc	tgtaccggga	gaccggtgag	180
tggagtccga	agctacctat	ttga				204

<210> 8191

<211> 621

<212> DNA

<213> A.fumigatus

<400> 8191

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tttgccctgtg	tagcagtcac	catggtggag	cggttcgggc	gaagaggcct	aatgctgatg	180
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<210> 8192

<211> 216

<212> DNA

<213> A.fumigatus

<400> 8192

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catgaggatg	aggagctaca	gcgacagatc	aagcagaggc	aggctacggg	caggagggtg	180
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<210> 8193

<211> 300

<212> DNA

<213> A.fumigatus

<400> 8193

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tctggctttg	cgctgggtcaa	ttggatcaac	tacgggctat	cttccaaagg	cggtgcgctt	180
gcatggaggc	tcccatcg	actgcaattt	ttcttcatct	tcattccttta	tgcgactgta	240
ccatggcttc	ctgagtcgcc	aagggtggct	gctcccgatg	caccccatgc	ccacagctaa	300

<210> 8194
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 8194	
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accgtcatcc	gcagcaagga gttctgcccc tcgtcgcaga catggcgctc caccacagac 180
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<210> 8195
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 8195	
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tgctgttctg	atggctggga agaaagactc tgctgtttac tcatgggtta tatatctctg 120
tcatacctat	tgatgaagca gatcacatac ctctctatcc tgagtattag cctgagggct 180
tag	183

<210> 8196
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 8196	
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tactactttg	ccggcgacgg ggtgacatca cccgctcttg gtagtgccgg ccctttaatc 120
tccaaggctg	cgtacggcat tgccttgccct actgtaggaa tcctgatccc gcgcagattt 180
tcttccccac	tagctagaga ccagaaactg accctagaag atcgatcatc cagggtgtaat 240
taa	243

<210> 8197
 <211> 1437
 <212> DNA
 <213> A.fumigatus

<400> 8197	
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aaggcggctc	ctcggacaga ttacatggcg atgctggata agcgggttaa gcgtatggag 420
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caattggaga	taccgggccc	aacggaggaa	ctggatagga	acgttcctaaa	ccccgttccg	1320
gatgatgtcg	gtcaattgtc	taatgccaa	gataacatgg	gcgtgtcggc	ctatatcatt	1380
cgagctgtgg	taatatgggg	tcgcatagtc	gattatctca	atcttgggtg	gaagaaa	1437

<210> 8198

<211> 183

<212> DNA

<213> A.fumigatus

<400> 8198

tttcttccca	ccaagattga	gataatcgac	tatgcgaccc	catattacca	cagctcgaat	60
gatataggcc	gacacgccc	tggtatcctt	ggcattagac	aattgaccga	catcatccgg	120
aacgggggtt	ggaacgttcc	tatccagttc	ctccgttggg	cccgttatct	ccaattgaaa	180
tga						183

<210> 8199

<211> 1728

<212> DNA

<213> A.fumigatus

<400> 8199

gagcggcact	ccgacattga	tattaacttt	ctcaactacg	tatttcgcaa	catggcgcga	60
gaaggagact	caaatggcac	attggccatg	ccccggctag	acgaaatatt	gcgccatcca	120
gaagacctgg	ataagattgc	aggattgaaa	gccgaatact	cgcgaaagaa	gggaacagtt	180
gactcacagc	tcggggaagg	tcttcgacat	caattggaaa	cagtccaacg	aagtatcaat	240
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aagctgtgcg	cggaatcaca	aacgagcgtc	gacgactttt	cgcggattga	taaattggcc	360
aaagtacagc	gaaacttcga	agcaactctg	atgatgaaga	agggcttgga	gaacttcagt	420
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tggttcattg	ccgttgccaa	tgatcagatc	gcctgcattg	acgacaatga	cgaatcggga	1620
cagctgggat	acctgagcaa	attcaagcgt	gattttgagc	catccgtgga	tccgagtctt	1680
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<210> 8200

<211> 315

<212> DNA

<213> A.fumigatus

<400> 8200

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gacaaacaga	cagaagccaa	ttgggtccag	cttccaaaca	ctcaaaaacc	gacgactgaa	120
cagaaaactc	atatacctgt	cgacatgagc	tacttccgtg	tcacctcct	ccgctccgcc	180
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gcgacagtct	tccaccagct	atcgccatcg	gtagggtggc	agattctaca	ctgccaggct	300
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<210> 8201

<211> 2190

<212> DNA

<213> A.fumigatus

<400> 8201

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actgttgtct	gctccgacaa	gaccggtact	ctgacgcaaa	acaaaatgac	tgctcgtcgt	180
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ggcaaggccg	tcagcgccat	ttcgagaata	gtctcgtcta	tgatgtggcc	tgtcaagcgc	2040
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<210> 8202

<211> 726

<212> DNA

<213> A.fumigatus

<400> 8202

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actccgtctc	agcagcaagc	tcagatagac	gggaaacaag	caaacgcaaa	cgcagctgca	180
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<210> 8203

<211> 324

<212> DNA

<213> A.fumigatus

<400> 8203

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cgactgaagg	catcacccaa	gtga				324

<210> 8204

<211> 339

<212> DNA

<213> A.fumigatus

<400> 8204

gacgaaagg	ctcttgccag	ctcgcgaacg	tcgaccaagg	ccaagcctgc	tgcgccaaaa	60
gaagaagatg	agccaccagt	ggagacaaca	tcgaaggggg	cgctcgctcct	tagtaaaatg	120
ggctgggtctg	ctggctctgg	actgggtgct	cagggtacgg	gcatgaccgc	cccgatagcc	180
acggagggtg	atgcacaggg	tgtcggacta	ggtgcgcaag	gaagcaagct	gggtgatgcg	240
gtcgaagaag	cgggacgcaa	cacacgaaac	cggtagcatg	agttcctgga	gaagacgagg	300
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<210> 8205

<211> 762

<212> DNA

<213> A.fumigatus

<400> 8205

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ccactcacca	ctccacccaa	aacacctcag	ctcaacacca	tgtctctctc	tttcttcaac	180
cggggcccca	gcccagcccc	aaccacagac	tcaaagaaga	catctccagc	acaatcccaa	240
caaggggtcca	tcccgggatc	aaccgagccc	caaacgcaac	cacaaccaca	agcacaacaa	300
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gccttcgagg	ccctgagcct	cgcgacgctg	aatgtgtgtt	cgtttgcgat	gatggctacc	540
gggggtgtgc	tttatgctgc	tgacatcaat	agtgtggagg	atatgcggcg	ctatgtgaag	600
aaggggatgg	ggacggggac	ggtgcgggat	gaggaggtgg	agagggaggt	ggaggagtgg	660
gttgctaagg	tggtggggga	gaagttcggg	gtggagctga	agaaggagaa	ggagaaggag	720
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<210> 8206

<211> 384

<212> DNA

<213> A.fumigatus

<400> 8206

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ccgtcaactt	cacctaccgc	agtcaaccac	tcaccactcc	acaaaaaca	cctcagctca	180
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agaagacatc	tccagcacia	tcccaacaag	ggtccatccc	gggatcaacc	gagccccaaa	300
cgcaaccaca	accacaagca	caacaaacgc	agtcgcaacc	acaaaggccc	ctcaciaaac	360
tcaaactcct	cttcggcggc	gttaa				384

<210> 8207

<211> 1890

<212> DNA

<213> A.fumigatus

<400> 8207

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aaggggtttc	tgtgttatcc	agtactgtat	tggccggagc	atgttaggct	ttcgcaaacg	180
gaatttgcca	tccgggagga	gtttaaagat	ttcttccaaa	tccagctcga	aacgtggggc	240
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cttgctccca	ttcacgttgc	agccactggg	ggaattctcc	ctttaatctc	attcttgctc	360
ccagcgagct	tggagacaaa	agattcccgc	ggccaaaccc	cgtctcttat	tgcagcccag	420
gctgttcaga	ttgaagctat	gcgtttccta	gttgaacgtg	gctcttatgt	gaattctgtg	480
aacaattgtc	atgaaaacgc	cctgcagatc	acttgccaga	acagtcagta	caacaactgc	540
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cagaacggat	tctacgtgga	cttcaggatt	cgaaggcggt	gctggaccgg	gagaatggtg	720
aacaatagca	tttcatatga	agtggaccac	agccagaaac	aacattcgaa	cctaggcggtg	780
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gaatacgcag	cggagtcgct	gagagacttg	atcacggatt	atgaaagtga	ggcttatgat	1020
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cctccgagat	tttcttccag	agcacggggt	tttgacccc	aaatttcttg	gattttcaaa	1860
ataagaagcc	cctccaataa	ccagaggaac				1890

<210> 8208

<211> 672

<212> DNA

<213> A.fumigatus

<400> 8208

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ggcctgaagc	atgcgcctaa	tcagggtggc	tcattccaatc	ctactctctc	cgtcacctcg	180
tcctattcta	acatcgctcc	tgaggaggcc	agatcgcttg	gggaaacact	cagtggcgac	240
ctgtccactc	tcgaacctcg	cccagctgat	gagcaagaag	gcgcctcacc	atttttccgc	300
actttataca	cgcaggcgca	agccattgtc	gacaaggaga	ataccatcat	gccatttagc	360
actgcgacgg	gctacgtgca	ccttgtgcgt	cacctttcgc	ccgacattgt	ctacgttcag	420
gagtccttga	caggcaaaaca	aggcgatgcg	gtgcaacaca	tttctggctg	ggtcagacag	480
gtcgtgggtg	tagttggaga	cgaaggcggc	cgaggcgggc	taatcgacag	tgaagacgaa	540
tcggtacttg	ccgagaaggg	tgagaagtgg	tggcagaagg	aggggatgac	gggtattggc	600
aagcgaatcg	atgtggttga	tgtccatcgc	actggtgaag	actggcgacg	gagagtgtct	660
ggccacgact	ga					672

<210> 8209

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (125)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8209

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cccancaacc	atcacactgt	tctccacata	tctacgcgcc	aggggaaaga	gtttgagatt	180
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<210> 8210

<211> 1554

<212> DNA

<213> A.fumigatus

<400> 8210

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atagtccgcc	agagcaaaa	gctcggtcgc	agaagggaat	tccggctact	aggtcaagg	180

gcagcaccac	aaaataatca	tgctcacaag	ggggagagcc	aagtcgacga	cgttttcggg	240
gacgatgaag	atgacgagag	cggatttttt	agtgaatcc	agaagcgaac	ttcagccgaa	300
ggacctcccc	ccatcacgcg	caagagcacc	agtcaagtca	tcgattctat	taatgcggtt	360
tcggactcca	tgttcagtaa	acaattgcc	gcagccgcg	agttgaacaa	cagtttggt	420
gtgcccacag	cagatgggtga	aatcaaaaat	tttccctcag	aagaagatct	tgccgcacga	480
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ccacctcagt	ctacgaatgc	tgtggcagcg	gcttcctaca	aatgggttatg	ccttacaacc	1500
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<210> 8211

<211> 198

<212> DNA

<213> A.fumigatus

<400> 8211

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atcatcttcg	gtgggcatag	tttcgtcagc	atcatcagaa	agttccgcct	gccatcgtgc	180
ggcaagatct	tcttctga					198

<210> 8212

<211> 921

<212> DNA

<213> A.fumigatus

<400> 8212

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aaggcaagag	gggagaatgc	cctaattccag	gttcagaca	ggctggaccg	agtcagggtta	120
tggagggttaa	accaagttag	agaaatgggg	gcgatccccg	gtatcccggga	atatcaggaa	180
tgggcaagag	ctcgcaactt	ttcgatcaaa	agggggggct	tacgagcttg	cgggtacacc	240
ctgtccccgc	ggccggcagc	ttttccttcg	ttctccaccg	gccggtgcac	aaccaacccc	300
tccgatgacc	cagcccgcgc	ccggaaagca	gccaaacacc	actcaatttg	cccccttgcc	360
atacaatccg	gccgctcccc	ccgcaccaga	acccatccag	caccgcgaga	agacaccacc	420
accggtagac	gccgcggacg	gcacaggact	cgcagcggcg	gcggcggcgg	atcacggcgc	480
tccagtgaag	cctccttccc	agatctcagg	aggcggagga	ggctatggac	ctccgcccag	540
tcacgctctg	ccctactctc	cccccggaag	ctacgcacg	cctcccccaa	gcgctggact	600
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aatgtccttc	gccccgcccc	ccgtggatcc	aaacgcacat	ctgcacgcgc	acgggcagag	780
tctctacggc	tccaatcccc	aggctccagcc	ccaagttcaa	tctcaacctc	agatccagcc	840
tacgtcgcgc	ccgcccccca	ttggcggcta	ttccaactac	tcctacgaac	caacccccga	900

gcccacagca ccgaactatg a

921

<210> 8213

<211> 972

<212> DNA

<213> A.fumigatus

<400> 8213

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ggcgggcagc	ttttccttcg	ttctccaccg	gccgggtgcac	aaccaacccc	tccgatgacc	180
cagcccgccg	ccggaaagca	gccaaacacc	actcaatttg	cccccttgcc	atacaatccg	240
gccgctcccg	ccgcaccaga	acccatccag	caccgcgaga	agacaccacc	accggtagac	300
gccgcggacg	gcacaggact	cgcagcggcg	gcggcggcgg	atcacggcgc	tccagtgcg	360
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tcccatgctc	agaagtatgc	gcagaaagcc	atgcagaacc	cgggacagcg	gtcgcgaaag	900
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aagagactct	ag					972

<210> 8214

<211> 354

<212> DNA

<213> A.fumigatus

<400> 8214

agcgcagtgc	cttccatccc	ggctggtgta	agaccaaacc	cttatctcac	tctgtccgca	60
atgatcgccg	ctggaatcga	tgggatgcgg	agtcaacagc	ctctgcgggg	aggtagactgc	120
gtgacatctg	catcagagct	gtccccgggc	gaacggcagg	ccctgggaat	caatacgatc	180
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ctgtgtggcc	acatgatcat	catcacatat	ttgatgggtca	agcggacgga	ggcaaagata	300
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<210> 8215

<211> 1374

<212> DNA

<213> A.fumigatus

<400> 8215

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ctcatatggg	atacgacctc	tgctactacg	aacacatcgt	ccaaatctat	attgaatgct	180
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aaagaagacg	acgcattcga	tcatgttcgg	ccgaggggaa	gtagcacgtc	caggacttgg	1320
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<210> 8216

<211> 474

<212> DNA

<213> A.fumigatus

<400> 8216

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gcgacaccct	taaccgtcag	acaacgtcat	gatatgctaa	cgcgcagggc	tctggtaaag	180
gaaaatgcta	caccttcacc	gcggagaatg	gcaacgggct	cggcctccgc	aacgacgggg	240
tgtactacgc	cgcaccagac	agcatggtcc	agcgtacgg	caagttccag	ctctgcagtg	300
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tgtacgggga	tgtggcgacg	ggcgcgcacg	cggggcagtg	gctcaacaat	gcgcagaacg	420
gagcgcacat	tgggcgcact	cccacctttg	ctaacgcggg	tcagttcgtg	ctga	474

<210> 8217

<211> 765

<212> DNA

<213> A.fumigatus

<400> 8217

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cggtgtttgc	gtgggagctg	gccaacgagc	ccgatgcaa	gggctgtgat	cccgatgtgc	180
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tttgcattgg	cgatggtatg	ttctctctcc	ccagccgact	ttctccgtcc	atctctctta	300
acgacaacac	tgacaaaatg	tgtagagggc	ttcggcctcg	acctcctctc	cgacggcagc	360
tacctcttca	cctacgtcga	aggcagcaac	ttcacgcgca	acctcgccat	ccccaccatc	420
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ccgtcgccga	atgacggcaa	taccatttac	tatgggaccg	atgagttcca	gtgcattgtg	720
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<210> 8218

<211> 276

<212> DNA

<213> A.fumigatus

<400> 8218

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cggacagctg	gggcacctcc	cacgaatggg	gcatctctg	ggtacaatcg	cacggcgctg	180
catgcacggc	cgccggcaag	ccctgtctgt	ttgaggagta	cggcgttacc	tccgaccact	240
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<210> 8219
 <211> 600
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (79)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8219						
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atcctcacct	tcgaggtgag	caacgacgca	cgcacaaacg	gccaaaagat	tgagtacaac	180
gatccggact	gcgaccaagg	catgcaatgc	gtcgtgacca	agacctgcgc	ggcccagggc	240
acggggccca	ccctcagcgc	cgacaagaag	cacttcgcct	gctgcctggc	cgggccagcga	300
ctgctcggga	gccccgagac	ggcgtttgac	tgctgcgctg	acggccacga	cctggctggc	360
tcggcgcgaga	ctggctatca	ctgctgcccg	acgggggtatt	cctttgacgg	acagcagtgc	420
aagcaggtat	gcaagaacgg	caggctgatg	gtcaacggac	agtgtgtctg	tcctgaagga	480
acggccgagg	cgaatgacgg	gtcttgtcag	gctaagacgc	agacgatgtg	tacgtctggc	540
ctggagagtg	gtgagtccaa	cccttcgggc	gacaccctta	accgtcagac	aacgtcatga	600

<210> 8220
 <211> 552
 <212> DNA
 <213> A.fumigatus

<400> 8220						
tatgctaacg	ccgacggctc	tggtaaagga	aaatgctaca	ccttcaccgc	ggagaatggc	60
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cgctacggca	agttccagct	ctgcagtgc	gagaaatgca	ccccggccg	cgccatcaac	180
ccctccgaca	agacctacat	caaggatgtg	tacggggatg	tgggcgacggg	cgcgacgcg	240
gggcagtggc	tcaacaatgc	gcagaacgga	gcgacattg	ggcgactcc	cacctttgct	300
aacgcgggtc	agttcgtgct	gagcaagtgg	ccttgtggca	agtactgtct	gggggggttt	360
gcggcgggta	tcgggcccgc	ttgcccggcg	gagatcccgg	ccatgacctt	ctactcgcag	420
gatecgcaga	tgtgtgtgcc	gtttgagttg	accgaggtgc	cgtgtgatat	caaggcgaat	480
gtgaataatt	gtatctggaa	gaatggggac	cagtgtctgca	ataaggtgga	ctgtacctgg	540
cgtcctcttt	ga					552

<210> 8221
 <211> 1026
 <212> DNA
 <213> A.fumigatus

<400> 8221						
cctctcgacg	cgtctgctgt	ttgtctatcc	accacagaca	taactacaac	cacaaccaag	60
atgaagtctc	cctggctcac	tgtggccagc	cttctcatgg	gccaggttgc	cctggccgcc	120
cccagcgcaa	agacattcgc	cagcgcaccc	ggaacgcagt	tcagcatcga	cggcaaaacc	180
ggctacttcg	cgggtccaa	ctcgtactgg	atcgggttcc	tgaccaacaa	cgtgacgtc	240
gacctcgtct	tcaaccacat	gaaagagtcc	gggtcaaga	tcctgcgcgt	ctggggcttc	300
aacgacgtca	acacgggtccc	gggaccgggg	accgtgtact	accaggtgca	cgcgaacggg	360
aaatcgacca	tcaacacggg	cgcgacgga	ctgcagcggc	tggactatgt	ggtgcacgcg	420

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gctggagcagc acggcatcaa gctcgtcatc aactttgtga ataactggga cgactatggc 480
gggatgaacg cgtatgtcca ggcgtagcgc gagacggacc ataatgcgtt ctacacgaac 540
cagaacatcc agaaggcgta ccggcggtat gtcaaggcgg tgggtgcgcg gtatgcgagc 600
tcgcccggcg tgtttgcgtg ggagctggcc aacgagcccc gatgcaaggg ctgtgatccc 660
gatgtgctgt acgaatggat caagtcgacg agcaggtaca tcaagaagct ggataagcgg 720
catatggttt gcattggcga tggatatgtc ctctctccca gccgactttc tccgtccatc 780
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cggcagctac cccttcacct acgtcgaagg cagcaacttc acgcgcaacc tcgccatccc 900
caccatcgac tttggaacct tcacactgta cccggacagc tggggcacct cccacgaatg 960
gggcgatctc tgggtacaat cgcacggcgc tgcattgcac gccgcgggca agccctgtct 1020
gtttga 1026

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<210> 8222

<211> 1155

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (241)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8222

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ccgcgtgaag ccccggtcga tcatgccaa ggtcgccacg atcctgtccg gccgcgcctt 180
tgtcggcttg cccctcagcc gagagccga ctggatcgag tccaacgtca attacacgca 240
ngacgtctcg cgcgcgtgga tgggtgctgc ctctaccgc cactggatcc ggccactggc 300
ggccccgttc ctgcgcgagg tcaagacct cgagcagaac aaggcgctca tcgggcgcaa 360
gatcgccaaa ctgctcgccg atcaagagcg cggacgctct cgcccgcaca ggagaagatc 420
cccggcggcg atatgatcga ctggttcaag tcgcggtacc aggcgcaggg caaacggcc 480
acggcgcacg agctcacgcg cgatcaactg ctggccacct ttgcctcgat ctacaacctg 540
tccaatgcgc tgacctatgt catgttcgac ctggccgcga accccgcgcg cgtggatgag 600
ctgcgcgagg agctcgacca ggtcctgggc cccaacgtcg gcgcgagag catcgacaag 660
accgcccccc cgcgcctgat caagctggac agcttcgtgc gggagtcga gcggtgagc 720
ccaacctcgc tggtaacat cccccgcac gtaccgcac caaacggcct ccgactgaag 780
accggccatg tgattcccc gggctacctg gtgatggtgc gcgcgcagcc catcaaccag 840
agtccactc tgtatccgaa tccggagcgg ttcgacgcct ttcggttcgc tcgtctgcgc 900
cagcagggcg gcgccaatga gaaccgctgg cagcatacct cgacgggggc cgataatatc 960
aacttcggcc atggcatctg ggctgtccg gggcggttct ttgccagtgc cgagattaag 1020
gtggtggtgg cgtatgtcat tcgtcactat gatctacggc tgatcgaggg accgcctcat 1080
ccgaagccca agtatggtgg attggccatc ttcccgatg cgggggcgga ggtggagttg 1140
aagccacgag tatag 1155

```

<210> 8223

<211> 717

<212> DNA

<213> A.fumigatus

<400> 8223

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cccatcgctg tccagcacc ataccgtgt gccagaaact gcgactgcat catgactgtc 60
ctccccgact ccgaaaacgg ctacctctc aactacgagg atcaggagaa gagacgcgat 120
aacatgcaac atgacctgat caaacctac atgggtaaac tgatcctggc tcctctgccg 180
ttcgaccaac ccaatctgog agtctcgac agcgggacct tcaacggtaa gtcaccgctg 240
tgtcgattcg atcccccgga gactaatagg cgcaggcctc tggctcgaag acgcctcgac 300
cctcctccag tccccacgc tcgtcggcac cgacgtctcc ccaaccgcct tcccagccaa 360

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gcgccccccg	aacaccgagt	tccacgtgca	gtccatctca	gacccctggc	ccaccgaatg	420
gcgcgactcg	ttcgacctcg	tccaccagaa	actggtgatt	gcatgcgtgc	ccccagacga	480
aggccggcag	gcgctgtacc	gactcatcga	cctcgccaag	cccggcaccg	gctgggtgca	540
attcaccgaa	cgcagtctaa	agcatctgac	cccggagcat	cggaagcaat	accctgttct	600
cgcgcgcttc	cattcgctgg	tggcggagat	gctgcctcat	ttccgcggga	acccccggcc	660
gggggaactg	gtgcgccact	ggttggacga	atatggactg	ccagaagtgc	cagataa	717

<210> 8224

<211> 621

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (426)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8224

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atcaagaagc	accattacaa	ccagttcctc	ggcgaatact	cgtacatggg	caccaaggcc	180
gatgagttcg	acgatgccat	gcgatacctc	ctggtccgca	acactccggc	cgtgttggcc	240
tcgtttaccg	ccgagatcga	ctacgccatg	tcgaccgtgc	tgcaggctcc	gcccactcg	300
tggaccgcg	tgaagccccg	gtcgatcatg	cccaaggctc	ccacgatcct	gtccggccgc	360
gcctttgtcg	gcttggccct	cagccgagag	cccgaactgga	tcgagtccaa	cgtcaattac	420
acgcangacg	tctcgcgcg	gtggatggtg	ctgcgcttct	acccgcaactg	gatccggcca	480
ctggtggccc	cgttcctg	cgagggtcaag	accctcgagc	agaacaaggc	gctcatcggg	540
cgcaagatcg	ccaaactgct	cgccgatcaa	gagcgcgga	gctctcgccc	gcccaggaga	600
agatccccgg	cggcgatatg	a				621

<210> 8225

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8225

acctcgta	aggctattcg	acaagtgaac	gaaacactgt	cgcactactg	tacctctcct	60
gagggtatga	ccagactgga	gcacgagcag	agttccccc	aggggtgacac	tacttaccta	120
cttatagtgg	gatcgatcaa	acaagtacac	atgaaatcag	tgtcaggacg	ttccttggat	180
cagtag						186

<210> 8226

<211> 231

<212> DNA

<213> A.fumigatus

<400> 8226

tccaggagcc	ccgggttcat	catgcgacaa	aagctgttgg	gcttctctgt	gatcatccga	60
agegctttct	acgtcttctt	cgtctccctc	atcctcttca	tctctccctc	catcctcgtc	120
tccctctctg	tcttcatcat	ccgtctcttc	tccagtctcc	tcttctctgg	agtctgtcac	180
ttcttctcgg	gaatctgtct	cctcttcttc	cgtctccgac	tctctctcta	g	231

<210> 8227

<211> 1344

<212> DNA

<213> A.fumigatus

<400> 8227

aatgggttcgc	atagcacggg	tgtgatcatt	cacgagctgg	aacattttctc	aaacgggtgcg	60
gatgaagacc	ttgtccgtga	gagtgttcgc	gcccttgggc	gttgcgcgca	gaatgacccc	120
agcactgcga	aattattgctt	agttgtttcta	ctccgtcaga	taaccagcct	tgatgagact	180
ctagtatcag	agtctttgac	cgtgattagg	catctcattc	aacaagaccc	ggcttctcat	240
gaacaaacag	ttatccggct	tgtgaagcat	ctcgggttcgt	ccagtagccc	agaggcaaga	300
gcgaccataa	tatggcttgt	tggaagaattc	gcgggagtag	atcccaagag	gaatattgca	360
ccagatgttc	tgogaatttt	ggtacaaaaa	ttcgccgatg	agccagagcc	tgtgaaacaa	420
cagattgttc	tgttaggtgc	caaggatat	ctccaccatc	tgctacgaaa	tcctccaaag	480
cagcctacag	aggatccgtc	ggtatcggaa	cccaaaatca	accaggaaca	taacgagtg	540
gcggatgacg	ccgctaagga	atcagaagtc	aacgacaaca	ataaagaaga	tcagcgaaaa	600
gaagaaccga	aaggagacca	aattactctc	ctttggcgat	atattctcct	tcttgctcga	660
tacgattcct	cctacgacct	tcgtgaccgg	gccagaatgt	taaaagcgct	gttggccgac	720
ccttcttcca	ccgagctcgc	gaatctcatc	ttgctcgcac	gtaagcctgt	tccacatgcc	780
ccaagcccat	cggaaacgcg	gaaggaatta	cttctgggct	catccactct	tatcgtgggg	840
cccgaacgag	gtccttttgg	gctgagtggc	tatcacaatc	ttcctgactg	ggttgaactc	900
ggacaagagc	cggatcccag	cctgcgagaa	tcagagatga	agccggatgt	gaccgaaaga	960
gcgactatga	ctgcaggcgg	aaagcttgac	cgggctctga	tggaacacga	gagcagggtt	1020
gcagccatga	aacggcaaca	aaacggccac	gtgagagcag	gtgcttcgcg	ggcgaagact	1080
aaaacgcttg	atcagtggtg	agaggaggag	tcggagacgg	aggaagagga	gacagattcc	1140
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gaagagggag	acgaggatga	gggggaggat	gaagaggatg	agggagacga	agaagacgta	1260
gaaagcgctt	cggatgatca	gcaggaagcc	caacagcttt	tgtcgcgatga	tgaacccggg	1320
gctcctggat	cacgcgggctt	ctag				1344

<210> 8228

<211> 195

<212> DNA

<213> A.fumigatus

<400> 8228

aataaaaaata	taccactctg	gatggtgccc	tacgtgcgct	atggcatgga	tcctcagttg	60
ctggttgccac	agagtcaggg	caaggcattc	aggcacgaga	atctcacgtg	gcagactaag	120
cttccttggg	acatggtggt	tgcccttgaag	caagcgggat	cctggggcag	aatgaatatt	180
gactccgtgc	gttga					195

<210> 8229

<211> 351

<212> DNA

<213> A.fumigatus

<400> 8229

gtagtttctg	tggttgccg	acagggagct	ggtgcggggc	tgaccacggg	tgcttgtgaa	60
cagctcctcg	acatatgcgt	caagaactgc	ggttatccgt	tccacctcca	aatcagtaca	120
aaggagtttc	tcaatgagtt	ggttcgtcgt	tttccagaaa	gaccgccaat	gcggccctcc	180
cgggtgcagc	accggatcct	ggagtgcatt	gaagaatggc	ggcagactat	atgccagacg	240
tcgcggtaca	aggaggatct	gggccatatt	cgcgacatgc	accgtctgct	gttatacaag	300
ggctacatgt	ttcctgagat	ccgtcatgaa	gatgccgcgg	tcctgatctt	c	351

<210> 8230

<211> 501

<212> DNA

<213> A.fumigatus

<400> 8230

aagaccgcat	tgatgatctt	atcaaattcc	tcacgtcgc	taactgctga	tccggactcg	60
gcacatgaat	cttctaattg	cgctcgatcc	ggtcgggcaa	tcttctcggg	ttgcggcttg	120
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atttgggcct	cgtcttcgga	gtcatctgag	atggcgtagc	ggtctcgttc	ttcctccgct	240
tcttctcat	cctcgccctc	gcccactc	tgctcactct	tctcctcgtc	ttctgcgtcg	300
gattccgccc	atgcagctcg	tctgtttgta	tttctactcg	tccacatata	gtcggcaccg	360
ccctctgcgc	gattttcttc	gtactcccgc	tcaatcttgg	ccaaccactc	ttcctctgcc	420
ttcttgatgt	cctcttcggt	cgcacaggca	gcgtatcggt	tcaacagtgc	cgaattgatc	480
tcgaggaaa	cttcgccgta	a				501

<210> 8231

<211> 852

<212> DNA

<213> A.fumigatus

<400> 8231

cttttcaggc	caaattgcaa	gaagattctt	tccccggccg	atcgtgaact	attagagcag	60
ttcggagctg	cagtggtaga	gtgttcctgg	gtgagggtca	aggaggtccc	ttggtcgcga	120
attggtggcc	ggtgcgaacg	actgtgtaag	tgctttgttc	ccaatcgcat	ctacgttttc	180
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acagtgaatt	atggacgacc	gtggcggtta	aactgcgtcg	aagcgttggc	cgctgcttc	300
tgcatctgcg	ggcatgaaga	ctgggcgcga	gaggtgctca	agcacttcaa	ttacggcgaa	360
gctttcctcg	agatcaattc	ggcactgttg	aaacgatacg	ctgcctgtgc	gacggaagag	420
gacatcaaga	aggcagagga	agagtgggtg	gccaagattg	agcgggagta	cgaggaaaat	480
cgcgagagg	gcggtgccga	cgatatgtgg	acagtaggaa	atacaaacag	acgagctgca	540
tccggcgaat	ccgacgcaga	agacgaggag	aaggatgagc	agagtgaggg	cgagggcgag	600
gatgaggaag	aagcggagga	agaacgagac	cgtacgcca	tctcagatga	ctccgaagac	660
gaggcccaa	tggccgagat	ccgcgccaaa	atcctcaatt	cgaaatcctt	ccagaatcct	720
tccgtcccgg	acaagccgca	acccgagaag	attgcccgcg	cggatccgac	gccattagaa	780
gattcagatg	ccgagtccgg	atcagcagtt	agcgacgatg	aggaatttga	taagatcatc	840
aatgcggtct	tc					852

<210> 8232

<211> 270

<212> DNA

<213> A.fumigatus

<400> 8232

acaaagctaa	cgcaaagaat	ggtccgtcac	aagaaagaca	acttctcgcg	aggaggcaag	60
aaattctcct	ccaacccccg	cccacggcca	cgcccagtag	cccgcgatga	cgacgatggg	120
tccgctacga	acaggcctgc	cttcaaggcc	gcctgctggg	atttaggaca	ctgcgatccg	180
aagcgatgct	ctggaaagag	gctgatgcac	tttgggttga	tgcgagaact	ggcgatccgg	240
cagaagtttg	ccgggggtgg	gatctcgtag				270

<210> 8233

<211> 459

<212> DNA

<213> A.fumigatus

<400> 8233

ggagttatcg	aagatctcgt	agccctgagg	tatgtatttt	tggctcacia	tggttaatttg	60
ggttatccgg	tcctaacttc	acaactctca	cagagacgat	atcgcgatcg	cgaccgtgat	120
tcataccggc	gacgtgaccg	ctccgtagac	agacgcgacg	atcatcggga	tgaagatagc	180
tatcgatcaa	gccggagaga	tctttctcgc	gatcgacgtc	gatcaagaga	tagagggtgat	240
gaccgggatc	atcgccgaaa	aagtcgcgag	agagattatc	gaagcaggcg	agatgattcc	300
cgcgaccggg	cccggaggcg	aacagacgat	tctgctgact	tgaagcacia	gtctagacgg	360

gacgatagtc ggacgaggaa tctggattcc aagccgcgag aggtaagtcc gactcataat 420
gtttttgaaa ttatctataa acctgatgct aataagtga 459

<210> 8234
<211> 702
<212> DNA
<213> A.fumigatus

<400> 8234
gcctcgaagc catccacccc tgcgcccacg gctccaaccg aggacgagaa aagagcggaa 60
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cgcgaggccg ctgcagctgg tggagcaaga agcattctgg aagagataga cagaaaaatcg 180
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cctactccat attccggcaa atttgaccgg aaggctattg tacgaaatgc ggccaccggcc 300
ccaagtacac ctgctgtgct tggtaacgat gttgccgttc ctgagctgc caaagcgtcc 360
gcttccatcat cctccatgaa taatcatgta caagctaaca aacctccagc cgccaacagc 420
actacatcat gtaagttata cattcccacc ataagatttc ttcaaattgc taatgttact 480
tgtacagcta cgtcgacagt aaaacgaaat gttggcgggt tcgggttagg cgccaagcaa 540
gttgagatg ccgagaagtc atcagcagtt aagactctcg gttttggcga agaggaatcc 600
aagcgaaaga aattggagcg tttaccgacc cctccactag aagacgcaaa agatgacatg 660
ggggtgtgg gtcttcacca ggggtgaaa gagcgctcta tg 702

<210> 8235
<211> 222
<212> DNA
<213> A.fumigatus

<400> 8235
aagcatacat ccaaaatgag tagcaacaag ccgtatgtta tcaaaggcat cctgtctgac 60
gccggccaga tcattccagt tcgtcgggac attgatgagt ggtatgaaga caccagccga 120
cagagcagaa ttcagctgtc catctttata tgggcgctac gtgagttcca atccatcgac 180
taciaagatc gactttccta cttccaaatt gcaggctctgt ga 222

<210> 8236
<211> 294
<212> DNA
<213> A.fumigatus

<400> 8236
agacagtatc tgcgctttga ccccgctcaat gggacttgcg gcgagtacat gggctcatalc 60
atgtcgaatc tgggcgggta ccttgcagac gagatggcga ctgcgaactg cagcttctgc 120
ccgatcaagg agacgaatgt gttcctcggg agagtctcgt cgagttactc ggatatctgg 180
aggaaactttg ggctcatgtg ggtattttatt gttttcaata tctttgcagc ttgttcgctg 240
tactggtggg ttcgtgttcc acgagacaag aagccagttg caaaggccga gtga 294

<210> 8237
<211> 240
<212> DNA
<213> A.fumigatus

<400> 8237
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tactttatct taggtggtgg agcaatacca acaattgctg caagtaccgt ttgcatcctg 120
atgttggtcc taaggtttaa tgtcccagcg ggatatactc gttatgatct cacgtctttc 180
cggcttggtg ctctgggtggc aattgtgaca gtgctctgcc atttttcagt ccaactgtaa 240

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09/417507
10/14/99



<210> 8238
 <211> 1992
 <212> DNA
 <213> *A.fumigatus*

<400> 8238
 aaccgtccga gctcgcgttc ctccatgtcg cgtctgcaga caggaagac tgaattccct 60
 aagccgacac cggcccgggc cgagaaacaa cggacctctc ccgacaggac tcaattgatg 120
 gctcagtttg tggacgtcgg gcgtaagtta atgcgcgaa tggaggagct ggcttccaag 180
 gatgagagac gggataaaac accagctttt gttggcaaag atgccagatc tgcggttgac 240
 cgagaccgtt ctgagagaat ggcagaagcc tcgcgatcaa aaacacggtc cggggctgcc 300
 catgccgcca gctccacagc ctcgatgaa cacagtgaag gatctactac atcctcacag 360
 gaggacgcgc acaactcttt cgagaaaagg gaggtacccc cagaaatgct gtatagacca 420
 tcaactctcg atttgctgcg cgatgcttcg acattcaata tgtatcgtca gcgcgcaatc 480
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 aatatggagg tagtcgcggt caatcgcgac aggtattacc tcctacggca agcttttgag 600
 acgtggcgta caattgtcca aggtaaacgc cgggctgctc agacagagaa atttttcaaa 660
 catctcgaag agcgtgctgg acgcgccagg gatctctacc ttatgaccaa agctttcaca 720
 cattggggcg aaatcgctc tgacgaagt gcaaaaacgt cagctgcccg acggcatatt 780
 cttcgtgtta agtatttcaa cgctggcggt gaaatcacag ccgtaaacga gctgaaagct 840
 cagcgattcg cgctacaaaag accctttaat gcctggcgaa gcaaggcccg agaagcgaag 900
 gaaatggagc aaagagcagt ggctgtccat aacaaaaaac tgtcacatgc ggtctactgg 960
 caatggttct ggagtttctg tgatcggcgg gcgccccagt ggtacgatca tcgctcaag 1020
 cgacgttctt tgccttactg gctgcgaaag ttccgcatga ataggagcgc tattcaagag 1080
 atagacgcga agaataagca tactgcgact gcgacagctt gtcagctatg gcatcagaga 1140
 tctcaagcta ttgtcgctgc agaaaaagac gctatatcta tgaatcgag gcaagtcctg 1200
 caggaaaaac tcgaggaatg gagagtcgag gctcgattac gcccaattgc ttctcgtgtc 1260
 tccgcgacga tagatagaaa tattacccaa acggcattct cgcagtgggc cagacggctc 1320
 cgaatgctca gagaagcaaa agaagtggat cgactgaggg ttatgcgcaa tgcctggacc 1380
 gcttggaaat atctgcttcg atgtcaggct ctgactgccc ggatagaaga gcgcatgaag 1440
 atagaaatca tgtacaaatg gatccttgcg gaacgggttc gactgatgca aaggattcgc 1500
 gatcaacgaa tcaactcgca tgtgttcgct aggtttgtga caaacgtgcy tgacacatat 1560
 acacgtttgt tgcagcatgc cgatgtacat gaggagtacc gcaacgaaga actcctccga 1620
 tcaaaattca actgctggcg ggaacagctt gcgcttcagc ggcaacgcga agtggctgcy 1680
 gctgaattct atgcaccacg ccttcagcag gaatcgctcg tggcctggca ctcgaaacac 1740
 caacatacga cgaaattgga gaggtgggct cgcgacgcac ggttttactt cctagcaacc 1800
 cgaacgatca aaaagtggca caaggctaca ttggactctg ccaagcgacg ccgtcaggag 1860
 gcctatgcc aatgcggcg aaggatcaag atcaatcttg ccctcaaagc gctaacgcac 1920
 tggcattcga gagctcagca cgtagcacga ctcgagtttt ttcttaggag caccgccctc 1980
 cgcaatatata tt 1992

<210> 8239
 <211> 285
 <212> DNA
 <213> *A.fumigatus*

<400> 8239
 gaagctagcc tgtatgcgaa aatccaaaag tgtgagttca ttgtccctga aaccaagttc 60
 ctaggcatta tcattggcca ggatagcatc cgcattggacc ctgataaggt gaaaataatt 120
 gtcaactggc aagttctaac ctgcgttgct gatgctcagg cttttattgg ttattggttt 180
 tggcaacttt taccggcgat ttatcaagga tttctcaaga attattgctc ccttagtgaa 240
 cctgactggg aaggatgtcc tatttatgtg gaccacaacc tataa 285

<210> 8240
 <211> 234
 <212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (105)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8240

ggaagctatc	tgtactacca	tgaacactta	tacatcccta	accatgataa	gctaagagcc	60
cagttattac	aagaatgcc	cgacaagcct	gctgctggac	acctnggaaa	gcataagttg	120
tatgagttga	tagcacgaga	atattactgg	cggggcatgt	accgatatgt	tgatcgctgg	180
accgaaact	gccacacctg	ctgccgatcc	accctgtctt	gtgaagcccg	ttaa	234

<210> 8241

<211> 273

<212> DNA

<213> A.fumigatus

<400> 8241

cctgcgttgc	tgatgctcag	gcctttattg	gttattgggt	ttggcaactt	ttaccggcga	60
tttatcaagg	atttctcaag	aattattgct	cccttagtga	acctgactgg	gaaggatgtc	120
ctatttatgt	ggaccacaac	ctataaatta	agttttgaag	ccctgaagaa	ggcgtttgta	180
aacgccccaa	tcttgaaacc	attcaactgg	ataaaagacg	tcgtgggtta	gaccaactct	240
tctaattaca	tgtctgctgg	tgtgatgtcc	tag			273

<210> 8242

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8242

tatgacaatg	aaggagtcct	gcaccctggt	acattcttct	ctaagaagct	ctcagtcact	60
gagtgttaact	acgagatcta	tgataaagag	ttgctcacca	tcattcactg	tttcgaggaa	120
tggcgcccta	aactagaggg	tacaccatca	ccgatcaaag	ttataactga	tcaccgcaac	180
ctagaatatt	tcattgtctac	caagctgctc	aacagataa			219

<210> 8243

<211> 222

<212> DNA

<213> A.fumigatus

<400> 8243

caagcctgct	ggtccgaatt	cctgtcccgc	ttcaacttta	aaattatata	tcgacccggg	60
aagcaaggag	ttaagcctga	tgctctgacc	aggaggtcag	aagatctccc	ttaagagggg	120
gatgaacggc	tacaacacca	gagccagata	attctgaaga	aaaagaacct	tgaccctgaa	180
attcagaact	cagtgaact	agaagccatc	acgaggagct	ag		222

<210> 8244

<211> 504

<212> DNA

<213> A.fumigatus

<400> 8244

gcattccact	gcagcatgaa	tgtgcataat	gagccactct	ggcagtggcc	ttccagcgtc	60
ctttctaata	cttcgttgaa	ctcggagtca	agccagtcac	ctcaaaaacc	ttaccagtcc	120
agtgacgaaa	atccgactac	tgaatgcccc	gagtctccca	ggaagcacta	tcccaatcgg	180

acttgtcgca	tctgcttggg	atcagtcctt	cctaccttct	accccccttc	agaaaacttg	240
ccaggcttcc	ttcagcccaa	gccgcgagtt	gtctatgagt	cttctgacct	agagcttggc	300
cgactgcttc	gaccgtgcaa	atgcaaaggt	tcttcgcgtt	acgttcacga	gggatgcctt	360
cagtcctggc	gccatgcaaa	tcctagttat	ggaaaaagac	actactggca	gtggccaacc	420
tgcgggtttc	agtacagggt	agaacgtctg	aaatgggcgc	actggatcag	tagtgcacct	480
accccaaata	gtattaactt	ttga				504

<210> 8245

<211> 843

<212> DNA

<213> A.fumigatus

<400> 8245

tactgtgacc	tcacccatgga	ggaccaacgc	cgagacaatc	gcacgcgccg	ccgagatgaa	60
cacatccctc	agagtgaagg	tcgtgggaac	aacactcctc	ccctcccttc	tgagaatcct	120
caatctcatg	aactagacag	ctacactgag	gcctgtcgtg	accttgagaa	gcagctaaaa	180
gccagatca	acctcattaa	gagacacctt	ggtgccgtgg	gcacgtccca	gagcttggac	240
gcgtcttctc	agactgtcca	agttgggtccg	tctgacgcca	tgacgggcca	gccgattgcc	300
tctgagtcgt	ctgcccccat	tacacctact	aaaacctctc	cggcttctgc	gttgaccagc	360
ggccacgctc	acattcacac	tccgaacatt	ggcaacagtg	aggttcctgt	tgtgaatcaa	420
ggtctcgtaa	gtcctgctgt	ctcgacttcc	agtgtcgcaa	cgacctgtga	ggccttcctc	480
gactactacg	agtcctgcga	gaagaatcct	cccatcggtg	acaaagcgca	cgaagcagct	540
tacaattacg	ctatctccaa	ggttgtcgag	gaggcaactc	gtttcaaaaa	gattgacacc	600
aacgtcacca	atcctcctgt	gctcaacgca	gctactgata	ctgttgtgaa	gggcagatct	660
gccaccccca	gcgcaaagaa	agctctcggg	acctttcaga	catccaagca	ctcttcacc	720
gtacccatgc	ccccaatccg	cccttccttc	actgagaccg	agatcgcgga	aagaaagacg	780
aagctgcttg	cagagatgaa	ggcgtttatt	gtcttcacca	cggggcgctg	gaaggacacg	840
agt						843

<210> 8246

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8246

ggtgactggc	ttgactccga	gttcaacgaa	gtattagaag	ggacgctgga	aggccactgc	60
cagagtggct	cattatgcac	attcatgctg	cagtggaaatg	ctcagaagct	caagtcacaa	120
catattaacc	aaatctacca	gagatatggc	gcgagagcat	ccagcgatag	ctcagatgat	180
agaaatacaa	gggtgtcgta	g				201

<210> 8247

<211> 498

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (458)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8247

attctcctgg	ctcagggtat	aaatacggcg	caaagagcca	ttgatcgccc	cctatgtagc	60
cttcagactt	ctcgaaccaa	catggactcc	aaaagaggcg	tcgtggccgc	ggtgctggcc	120
ttgcttcctc	tcgtttctgc	gcaacaaccc	gccgcgagtt	ctgctggtaa	ccccaaagctg	180
acgacataca	aatgtaccac	tgctggcggc	tgtgttcgcg	aggatacatc	tgtagttcta	240
gattggggct	accactggat	ccacacggtc	gatgggtata	catcatgcac	cacatcgctc	300

ggagtcgaca	gcaccctgtg	tcctgatgcg	gccacctgcg	cgaagaactg	tgtgatcgag	360
cgggccaact	acaccagcgc	cggtgtgacc	acctcggggtg	actctctgac	gatgtaccaa	420
tatgttcaga	gcaacggcgt	atataccaac	gcctcgcntc	gcttatacat	gtcatcaagc	480
cggccatgta	gactggat					498

<210> 8248
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 8248	
tcctttttatt	60
tttttttttc	
cttctcttat	
atctccgggg	
attataggct	
aagctgtaat	120
atgatctatg	
caaagaacag	
cgcatgtctt	
atccacctgt	
cgtcgagtct	
taaagagaga	180
agtctttacg	
ccttctacta	
ccctcaaagt	
gcagtaacta	
atgagcgtat	
atttcctctg	186
cattga	

<210> 8249
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 8249	
agagacgcca	60
cctctctttt	
ctgccacacc	
atggcgtcgg	
acttacaacc	
acccaacgat	120
cgtaagcggg	
ttaaggtcta	
cgagctgagg	
gataatgact	
ggttcgaccg	
agggactggg	180
ttctgtatgg	
gacagattct	
cgacgtaagt	
ccccgttgcc	
gctcgcccag	
tcagcgcaaa	228
aagcatcgcc	
cattatcggc	
gcgaaagctg	
cacctggcct	
cacgctga	

<210> 8250
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 8250	
ttatgtccgt	60
tattagacga	
tgccttgtcc	
gacgacctcg	
aaagctatca	
gtcaatcatg	120
ctacctccgc	
ctgaacttgg	
gaatcttccg	
gacatcgatc	
acatcatgag	
ggcggccagc	180
atcactcaag	
gcggtcgcga	
cgcgctctct	
aaatttgtca	
ttagagacga	
gtacatcccg	240
aagctgatac	
ctttagtcac	
tgtcgcagaa	
gatctggaga	
gtcttccgga	
tttgcatacg	300
ctttgaaca	
taatgaaatc	
gcttattcta	
ctcaatgaca	
acactattat	
tgagacggtc	351
gtcaccgatg	
atattatcct	
gggggtgggtc	
ggggcattag	
aatgtgcgtg	
a	

<210> 8251
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 8251	
ttcatcccag	60
atgatcccga	
atttcccacc	
cacaaggcca	
atcatcgaca	
atatctcgca	120
gatcagagcc	
gttacaagga	
agtcgtcccc	
atcaaggatc	
ccatcattcg	
ccgcaagatt	180
cgctacacat	
ggcgccctaca	
gtatctgaaa	
gatgtgggtg	
tggctcgaat	
gtcttcacca	216
cggggctgga	
aggatccgcg	
gtggcgctat	
gtatca	

<210> 8252
 <211> 1470
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (174)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8252

ttgttgact	tcaaagatcc	agtctttccc	gcccctgcag	acgcctttaa	agggttcgat	60
caaggccaac	accacggaat	ggcgaatcca	atgggtctgg	acagcgaaga	cgaaccgagg	120
cgagggacat	ccagagcaaa	tagtgtccgg	ttcgatgaaa	gtgctattca	tggntactac	180
gggcaagcca	gccgatctac	cagcgagctg	ccgctgagga	ctgggagcgg	catgggaagc	240
catccactca	ccgaacgctc	actgtcccac	cggctctgatg	gccgacagag	ctcttcaggg	300
cattcacatc	actcggctcg	gacgaatagt	ttagggctgg	agacgacgag	tcgcttaatg	360
ggctccttcg	tccggcgctc	tctctgata	cccccgccgg	gtatattctt	cataggccct	420
gtgcggtgtg	tcattcgatg	ttggttgacg	acaaatttct	cacatgactc	gcttctgtat	480
gctgctgtct	gttcaggatc	gtatgcgtcg	atacttgggt	atccgatggt	gcagaaactc	540
ggcttggaag	atcttgtaac	ccatgaggat	ggcgtacggg	tcatcaagct	tccgatgtat	600
cttccggagg	ccagcggttc	ccaggcctca	tctcgtccca	acagccccgt	tccacagctt	660
cccaccctga	ctatccgctt	tcttggtcgg	gacatggatc	ccaacgatcc	ttccattcag	720
attatcctcg	gaagcgatgt	tcttcgctct	cataatgcgg	acattttggt	ctctcaggac	780
aagatcatca	tggtagatga	cgagaggaat	aagatttcca	ttcccctagt	gcggccggag	840
gatgactctg	tgttcaagtc	tctctgact	gcacggtatt	gcaactcgct	tgaacgctcg	900
acaagacatg	ctttggaaaa	ggggccgaca	gaagtgcgag	gcgactccgc	agttggggcc	960
attggggagc	tgagccgatc	gcgacgatca	acctctgcgt	ccaccaccgc	aagggcatcc	1020
accgaagagc	tagatgaaag	tcgaaagacc	cattcatcgg	gttctcacga	cgtgtctcct	1080
gtcgtgaag	gtcaggaaga	ttcaggcaag	tccacctctg	ccatcgactt	tcaggcccac	1140
gagaccgcca	agcctgaaac	cgcaggtgtc	tgggggtgcat	ggagacggga	gatgaaaatc	1200
gacccggcat	cgtccggcgc	gagcaagccg	tctcggggcc	gtacgatgaa	agttctacgg	1260
ccgaccaagt	cttctacacg	ggtgccaaca	gcgtcaagcg	gcctcggcac	tgacgccgca	1320
gcgtctcctc	aaccaacgtc	ctcccagagc	tctcagacg	aaagccgggc	tggcaaacag	1380
ttggctccga	atccgatcgg	cggggcttct	gcgtttgggt	ggcttaattc	atcccagccg	1440
cctaaacgcg	ttgtaacaat	gcctaaataa				1470

<210> 8253

<211> 465

<212> DNA

<213> A.fumigatus

<400> 8253

ccatgtccat	tcgtacacac	atccagacac	gatcggaaaa	gaaaaagaag	agatcaaatc	60
ttcgaaaata	cctccatcgc	ctccctcgtc	tcctccttcg	cctccctcac	caaccacta	120
acagccttga	actccgccct	gcccgcactc	cccaatatct	caaacaaaat	cccctcacta	180
ctcgtcacia	ccgccccagc	atcccgtagc	cgcgcaagcg	ccacccccct	ctcctcctta	240
ttcatgctac	tcaccccatc	aacaatcaca	tacaccctat	gcccgcgctc	cagcaaatcc	300
agcgtcgtct	gcgtaataca	gatatgcgtc	tcgatcccca	cgatgataac	atccaggggc	360
gtctccccgc	ccttcacggt	cggcagcagc	gcacgagct	ccggcgtaat	catcgagaaa	420
agtgtcttat	cgatgttggc	gcgcacaagc	ggggtggaga	ggtag		465

<210> 8254

<211> 513

<212> DNA

<213> A.fumigatus

<400> 8254

accaccaagc	tcctcaaagc	ctcctcggca	ctcaacatcc	ccatctacgt	gaccacgcaa	60
aaccgcccac	gactaggcga	tatcgtctcc	gaactccaac	cctacctctc	caccccgctt	120
gtgcgcgcca	acatcgataa	gacacttttc	tcgatgatta	cgcgggagct	cgatgcgctg	180

ctgccgaacg	tgaagggcgg	ggagacgccc	ctggatgtta	tcacgtggg	gatcgagacg	240
catatctgta	ttacgcagac	gacgctggat	ttgctggagc	gcgggcatag	ggtgtatgtg	300
attgttgatg	gggtgagtag	catgaataag	gaggagaggg	gggtggcgct	tgcgcggcta	360
cgggatgctg	gggcggttgt	gacgagtagt	gaggggattt	tgtttgagat	attgggagat	420
gcgggcaggg	cggagttcaa	ggctgttagt	gggttggtga	gggagggcga	ggaggagacg	480
agggagggcga	tggaggtatt	ttcgaagatt	tga			513

<210> 8255

<211> 408

<212> DNA

<213> A.fumigatus

<400> 8255

gatgggttga	cactgtcaag	acttctctgt	ccaacgagct	ccctccccag	gactccgact	60
ggtacgattg	atatgaattg	tcccgtagac	gaccaccatc	taacggctga	tgattgcagg	120
tactacgtcc	gcgcgctgc	cgttgcccg	cacatctaca	tgcgcaagac	cgtcggtgtc	180
ggccgcctgc	gcaaggtcca	cggctcgacc	aagaaccgtg	gctcccgccc	caaccaccac	240
gtcgtatgct	ctggctccgt	cgaccgcaag	atcatccagt	ctctcgagaa	gatcggtgtc	300
cttgagtacg	atgaggagaa	gggtggctgc	cgcattaccc	aggccggcca	gcgggatctt	360
gaccggattg	ccaagaccac	cgttgacgag	gaggaggacg	aggagtaa		408

<210> 8256

<211> 465

<212> DNA

<213> A.fumigatus

<400> 8256

aaaaagtttc	attcctctcc	cgttgaatcc	atagtgtatc	aaaccaactc	atccatgttg	60
ccgacttgta	tgttacttga	ccggttcaac	tcaaagccac	ccagctttcc	ttcttgtaac	120
aacatggggg	aattgtttct	agataaggaa	aacaccgaga	ggttcaagat	gaagacatca	180
gggacttttt	attgttttag	taggagacta	atttactcct	cgctcctctc	ctcgtcaacg	240
gtgggtcttg	caatccggtc	aagatcccg	tggccggcct	gggtaatgcg	gcgaccacc	300
ttctcctcat	cgtactcaag	gacaccgatc	ttctcgagag	actggatgat	cttgcggtcg	360
acggagccag	aggcatcgac	gtggtggttg	gggcgggagc	cacggttctt	ggtcgagccg	420
tggaccttgc	gcaggcgggc	gacaccgacg	gtcttgcgca	tgtag		465

<210> 8257

<211> 1296

<212> DNA

<213> A.fumigatus

<400> 8257

caggcccggg	gtcttcgtac	gcgaggtaca	atgaacgaaa	atgacgagaa	cgggcccgtc	60
acgcgtctga	cacgggcaaa	ggccgctgct	ctgtctgcag	gagatgttcc	aacaaccact	120
gcggctgcca	aaaagcccct	tcagagcaag	aaggccgcca	ccaattcgac	gacaacggga	180
acacaaagaa	gacgtgctgc	gcttggagat	gtcagcaatg	ttacaaaatc	ggaaaacggc	240
gaggccaagg	aaacgaagaa	agccgctct	ggcaaggctc	gcttaacgtc	gaaagctacc	300
atgcagactg	gcggtattca	aaagctgagc	cggaccaact	catcgcttac	cgccttgggt	360
gccaaagata	acgcgaagaa	ggagaagcct	gcggttgagg	gaaagcgtcc	cgggaagtggc	420
tctggtatcg	gcagcacaca	aatgaaacgg	acgtccagcc	agaaatcggt	acaggagaag	480
tccctgcagg	ttgaggaacc	gccgcgcaag	aaagtcgaag	tcgagaagaa	gaccaccgag	540
aagaagacaa	cagtggagg	ctctacagcg	aaggaagatg	ctgtgattgc	cactgagccc	600
gaagtcgcca	agaagcctga	tgacgtagtc	gacgacctgg	acactgaaga	tttggacgat	660
cctctgatgg	ccgctgaata	tgtagtggag	atctttgact	acctcagggg	cctggagttg	720
gagacattgc	ccaaccctca	ctacattgat	caccaaccgg	acctcgagt	gaagatgcgt	780
ggcattcttg	tcgactggct	gattgaagtt	cacacacgct	tccgtctcct	cgccgagaca	840

ctttttctcg	ctgtgaacat	catcgaccgt	ttcctttccg	ctgaagtcgt	cgcccttgat	900
cgcccttcaat	tggtcggagt	tgcagccatg	ttcattgctt	ccaaatatga	ggaagttctt	960
tcaccccatg	tggccaactt	cagtcacgtt	gcagacgaaa	catttacaga	caaggagatt	1020
cttgatgccg	aacgccacat	cctagccact	ctcgagtaca	acatgagcta	tcccaacccc	1080
atgaacttcc	tccgtcgtat	ttcgaaggca	gacaattatg	acattcagac	tcgtaccctc	1140
ggcaagtacc	tcattggagt	tagccttttg	gatcaccgct	tcattgtgta	tcctcaaagc	1200
cacgtcgccg	cagccgcgat	gtaccttgct	cggctgatcc	tggaacgtgg	ggcttgggta	1260
aggaccctcg	cacttgtgag	gcagagtgc	ttgtaa			1296

<210> 8258

<211> 384

<212> DNA

<213> A.fumigatus

<400> 8258

cagacatttc	atagatcgac	tgtacaaact	catacttcaa	acataggtca	attgaatccc	60
agactcatca	atcatcgggt	ccctcattat	caattccagc	ctatcatcca	ttcaatctcc	120
aaacaacccc	gcaaacacca	tcccaccagc	ccacaaatcc	accaactaac	aacacacacc	180
caccagcttc	aaccacaacg	tcgagcccat	cgcgaaggca	aaaatgtcct	ggttccagaa	240
aacgttcaac	cttccccccc	gtccccgcgg	ctcgtacctc	ataaccgacg	aagtcctctc	300
ccaacttccc	gaaatccgca	actacaaagt	gggcatgctc	aacctctttg	tccagcacac	360
cagctgcgcg	ctctcgctga	atga				384

<210> 8259

<211> 558

<212> DNA

<213> A.fumigatus

<400> 8259

caacacacac	ccaccagctt	caaccacaac	gtcagagcca	tccgcaaggc	aaaaatgtcc	60
tggttccaga	aaacgttcac	ccttcccccc	cgctcccgcg	gtcgtacct	cataaccgac	120
gaagtctctc	cccaacttcc	cgaaatccgc	aactacaaag	tgggcatgct	caacctcttt	180
gtccagcaca	ccagctgcgc	gctctcgctg	aattgagaact	gggacgagga	tgtgcgtgcc	240
gatattgagc	atgcgttggg	taggattgtg	ccgactgacc	gcaaggggaa	tctctatcgg	300
cattcggcgg	agggggaggga	tgatattcgc	gtatgctctt	tgtcattttt	cgttcgctgt	360
ttgcgaattg	cgttacggga	atggagaatg	gggctgacga	gtggtgcagg	ctcatatcaa	420
gtccgctctt	gtgggggcgt	cggtcaatat	tcccatcacg	aatggggcgt	tggccactgg	480
tacgtggcag	gggatttggt	atattggagt	tccgacgagt	cggcacacgc	gcaagggttg	540
tgcgacgatt	cagggtga					558

<210> 8260

<211> 618

<212> DNA

<213> A.fumigatus

<400> 8260

acctggttct	acaaaaaagg	atggtgccga	gttcatcggc	atcgagaccg	gtcacgatta	60
gtgagtaa	ggaattctcg	aagtgatcga	tccgaggagt	taacagagtt	tagtgactgg	120
gagagagtga	tcattcattca	ctcaagagac	gcaaaaca	tgtgggcgcc	gacccgtgcc	180
tttctctttg	cgcacagtgg	ctaccatgat	cttgcatggg	gagacatcca	gaacacgctt	240
accaccagc	agatcaatgc	cggagacgct	aaaaatccga	acggtgtaca	gaacaatgac	300
cattccaaagg	tttatgttgc	ttggtctaag	cacgctcact	ttgatgaccg	caataccggc	360
tggaaacgat	ccatcagtca	gtcaacggat	aatgcattcc	gcagcgatga	ctgggtggtat	420
tatgttgaca	agagctatta	tgtgagtttt	catgtgttct	tcacagcagg	tttagagtta	480
ttgacaggca	ttagattcta	tcagatgata	ccaccgctgc	tggcaaagct	ctcgggtctg	540
cgaactgggg	cgatgcgact	agtaaccctc	cttctgtgca	tgcaagtgtg	tgctctgcgc	600

catgatggca gtaaatga

618

<210> 8261

<211> 270

<212> DNA

<213> A.fumigatus

<400> 8261

atcgactgta	caaactcata	cttcaaacat	aggtcaattg	aatcccagac	tcatcaatca	60
tcgggtccct	cattatcaat	tccagcctat	catccattca	atctccaaac	aacccccgcaa	120
acaccatccc	accagccccac	aaatccacca	actaacaaca	cacacccacc	agcttcaacc	180
acaacgtcga	gccccatccgc	aaggcaaaaa	tgtcctggtt	ccagaaaacg	ttcacccttc	240
ccccccgctc	ccgcggctcg	tacctcataa				270

<210> 8262

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8262

tcgcaacgaa	agcgaagcca	gtcaacgagg	cggatctata	ataccttcat	tgataaatct	60
tctctctgta	cgctcttctt	ccttgctctc	atgcttctca	acaacagctt	gcacgtaaac	120
atgttagtta	taatcgca	aggagaggta	atctggagaa	tataccgtcg	gaggagggt	180
tcatga						186

<210> 8263

<211> 477

<212> DNA

<213> A.fumigatus

<400> 8263

ctcgttttca	gggtcccgga	taaaccgtat	tctactcadc	gcctactgat	cggcacgcac	60
acttctagcg	atgcgcaaaa	ttatttgcag	attgtctcatg	tccaactccc	caatccgtct	120
gctccaaatc	cggacgacta	cgatgaggag	cgcggggaaa	tcggagggtta	cggcggcagc	180
tctaagaagg	cgcccatgga	aatcaagttc	aacatcgtgc	agaagattga	tcacaagggc	240
gaagtaaaata	aggcccggta	tcagccacag	aaccccaaca	ttattgctac	catgtgcaca	300
gatggcaggg	tcatggtctg	ggatcgctcg	aaacaoccaa	gtctgccaac	gggccaagtc	360
aaccctcaga	tggagctcat	cggccatacg	aaagaaggat	tcgggtctcag	ctggagccccg	420
catactgcag	gacaacttgc	taccggtagc	gaggataaga	cagtccgaat	ctggtaa	477

<210> 8264

<211> 261

<212> DNA

<213> A.fumigatus

<400> 8264

agatgcccac	gacggcccac	cagagctgta	tgtatatcta	gcatectttc	tgttgttcgt	60
ctattcgata	ctaatttccct	atgcagtctc	ttccagcaag	gcgggcatac	caaccgcatt	120
tctgacttca	ggttgaatct	gaacgatccg	tgggttcttt	gctctgctgc	cgaggacaat	180
ctactccaag	tatggaaggt	cgccgacgcg	attgttggca	aggatttgga	ggatgtgcca	240
accgaggagc	tggaaccttg	a				261

<210> 8265

<211> 618

<212> DNA

<213> A.fumigatus

<400> 8265

ctgaacattt	ggcacaggga	tttgacgaca	tattcaaagg	gcaacaagtt	actgaagcct	60
tccagaactt	acactcacca	ttcgtctatt	gtcaacgatg	ttcagtatca	tcctcttcac	120
tcatccctta	ttggcactgt	atccgacgac	atcactcttc	agattctaga	catccgagaa	180
tcggagacaa	ctcgtgcggc	tgcattctaca	gagggtcaac	accgcgacgc	catcaatgcc	240
attgctttca	atccagccgc	cgagaccgtt	ctagcaaccg	ggtctgccga	taagacaata	300
ggtctttggg	atctgcgaaa	cttgaaaact	aaactgcact	cgttggaaag	ccacactgac	360
tcggttacct	caatctcatg	gcatcctttc	gaagaagctg	ttctggccag	cgcaagctat	420
gaccgtaaga	tcgctttctg	ggatctcagt	agggcaggcg	aggaacagac	acctgaagat	480
gccaagacg	gcccaccaga	gctgtatgta	tatctagcat	cctttctgtt	gttcgtctat	540
tcgatactaa	tttcctatgc	agtctcttcc	agcacggcgg	gcataccaac	cgcattttctg	600
acttcagttg	gaatctga					618

<210> 8266

<211> 630

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (49)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8266

tcacgtatat	tcttcttgag	ttggatgacc	cttcattgtac	cggatcgtnt	ctccccaca	60
tttacatctc	ccctgtgtgt	atgoggatgg	ggtcttggtg	catccttcca	gtcactggct	120
acttcattca	gcaccttcgt	ggttctgcga	gccttttttag	gcatcacgga	agcggcattt	180
ggccctggcg	tgccgttcta	tctctccctg	ttctacaagc	gggaagaact	cgctttacga	240
aacggactgt	ttatctcagc	ggctcccttg	gagacttcat	tcgcgagtag	tctcgcatgg	300
ctgattgtca	aggtcagcag	taatggcccc	attgcaccgt	ggcggacgct	tttcttggtc	360
gaaggatttc	ccagtgtgtt	tgttgccgtc	tttgccgtgga	tactgatccc	tgactcgccct	420
gagagcgctc	gttttcttga	gcccagagag	agaatggtag	ccaagttagc	gctgggagag	480
accaggtccg	actattgtgg	gcccagattcc	aggaagttca	attggaggga	agtcgccaag	540
gcgttgctcg	atcccaaata	ttatgtgaca	gctgttcgtg	gaagtcatat	ctctccagcc	600
ttgagcttaa	ctgacgtgca	gctactatag				630

<210> 8267

<211> 741

<212> DNA

<213> A.fumigatus

<400> 8267

cgtgcagcta	ctatagttta	tgttcttcag	ctgcaatgtc	gctttcagct	ccatgcctgt	60
gttcctgccc	accatcatag	aagagtaagc	cctggaatga	gtaaccagct	tgatcaatgc	120
actcatttta	acagcatggg	ctactcctcc	ctctccgctc	aagccctctg	cgcacctcct	180
tacctcatcg	ccttcattgt	agtccttgca	acagcatacc	tatccgaccg	gcacagaagc	240
cgcagccctt	acctcatcgc	ccacgccctg	atttcttcat	tcgcctatct	cgccatcgcg	300
gctacaggct	actaccatga	gcacctatcc	gccggcgctc	agacctttat	ccgatacgcc	360
tgcgtctacc	ccgccacgtc	aggcttcttc	tctgccatca	ccctcatcat	cacgtggagc	420
atggacaacc	gcgccgcaaa	ggaaggcaag	ggagccagca	tggcgatcct	caacctcatc	480
gggcagtgtg	ggccgctact	cgggacgagg	ctgtaccgcg	gcagtgaggg	cccgtgggtac	540
gtacgcggga	tggcgacgtg	ctctttcttc	atggtcgtgg	tggctgtcct	tcgcatcgctg	600
ctgagagcca	tgctgcagag	gggggttcgt	gcagcggatc	ggaaaaggaga	tgctgacgggt	660
gagatggaaa	cgcggcgggt	ccttatggat	ggaaatcagt	tcaatcacag	tggtgaagag	720
agatttgtga	atattctata	a				741

<210> 8268
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 8268
 atcgtcttga gaaaccacac ccggaattcg aaaccgccaa aggccaagcc gaaaaggaat 60
 acggcgggcg gctggactac cgacgcacg acgtgcgcac cgaaccagag gtcagcgacg 120
 tcttcgccga aatcgctcc cgcgataagc gactgtacgg catcatcgcc gccgcagggc 180
 atcaaccacc tgcagagcgc ggtggagcac tcccagtcgg ccctgaacga agtcatgcag 240
 atcaactaca acggcgtgtt caactccgcc acggcagcag cagccagat gttcaattac 300
 caacagaagg ggtccatcct gtcgttgca agtatgagcg ggctcatcgc caacaagggc 360
 atgacctcgc ccgtgtacaa ctcgtccaag gcggtgtgta tccagctcgc gcggtccctg 420
 gcgatggagt ggggccggcg cgggatccgg gttaatagtc tctgtccggg acacatcctc 480
 acgcccattg tgcagctagt gtttgagcag aatccggctg caaaagccac ctgggagggc 540
 gagaatatgc tcggtcggct ggcgtgtccg gaggagtcca ggggtgcggc gctcttcgcg 600
 ctcagtgatg ccagtagctt tatgacaggc agcacgatga tcattgatgg tggtcatact 660
 gcgtggtga 669

<210> 8269
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 8269
 ctgctccccg gggtaagggt gttttcgtcg tacatctgtc caagagagct ccttcctcc 60
 gctatggacc tgctcaagga ggtctccgcc tggggctttc tccaaagcaa cgccatcctt 120
 tctctcttca taccactgcc aaatcatgct tccaagggtc tccctgtgat gctcattctt 180
 actatctga 189

<210> 8270
 <211> 360
 <212> DNA
 <213> A.fumigatus

<400> 8270
 cagcgcggtg ccttccatcc ccgtcgtgaa gactccgaag tcaacaaata taccacacc 60
 cccgtcaacg ccgtctggtt cgctgtttctc ttcagcatcg gcctcaactg catcgccatc 120
 gggtaacccc aaacggccac tgcaattttc agcatcaccg cccagcact ggatatctcc 180
 tatgttttcg tcatectcgc tcatagactc tacaaggata aggtcaagtt cgttgagggg 240
 ccgtttacgc ttggtaaatg gggcgcagcc attaaactggg tttcgatcgt ctgggtcctc 300
 ttcataagca cgggtgctttt cttcccgcct actgtgccgg tcacggcgctc gaatatgtga 360

<210> 8271
 <211> 1701
 <212> DNA
 <213> A.fumigatus

<400> 8271
 tttcgcgtgc ttttactaac cgaaaacctt cacaagaac ggccatcaga tagtaagaat 60
 gagcatcaca gggagacctt tggaagcatg atttgagcgt ggtatgaaga gagaaaggat 120
 ggcgttgctt tggagaaagc cccaggcgga gacctccttg agcaggtcca tagcggagga 180
 agggagctct cttggacaga tgtacgacga aaacctcttg acccgggga gcagttaatc 240
 tatcagcaat atttggccac caagagacaa ctgcaggatg catcgagac tagaggccaa 300
 gaaaacctcg agaaccgcac agatgttctt gacgaccgat cgagctctac gtcggaagat 360

tcggagacgg	agcagcaggg	acgggtcctg	aacttctcta	cctcattggc	tcattgccaac	420
cgcaacaagc	tgggtcttag	cgacgaagat	ttgggcgtga	acattcttct	ccgtcgggaag	480
aacgtctacg	actacgacgt	ccgtgggaag	aagggtcgcg	aacgaatgtt	cccatatgta	540
gtcccaagaa	agcgcggaga	tgagtatgga	gaattcattc	ggcccgagga	atatattacga	600
gccgaagagc	gtgaagaggg	agacatgcaa	cagcgtcggg	ccgaagccca	gaccaaattg	660
ggccaaaaac	gacgatggga	cgaggcaggt	ccgcacgggc	gtcgcgcctc	ccatagtggg	720
gccaaagcgg	aacaggtcgc	cggggacgct	cacaagaggg	aggctggtgg	cgccggacgat	780
ctcagcacga	ccgaggatgc	ggacggcggg	gatgcggcga	tatcatcgga	ggatgaagcc	840
gatgaacaat	cgtttgaagg	gcccgcgaaa	gcggtgttcg	agaaatccac	gatcaccatc	900
aacgcacgtc	tcgcttttgt	ggacttctact	gggctccatg	ataagcgag	tctagagatg	960
ctgattccac	tcattccagcc	gcggaaacta	atcttggttg	gaggaatgaa	ggaggaaaact	1020
accgccttgg	caacagagtg	caagaaactt	ctcgccgcaa	aagctggcgt	cgatgtctcg	1080
tcgccagact	cggccctgat	tttcacgcc	acgaacgggt	aaacggtcga	tgccagtgtt	1140
gataccagcg	cttgggatgg	caagctgagc	acgaatcttg	tcgggcgcct	gaaatggcag	1200
cacgttcgca	gcttgggtgt	agtaacacta	acagcccaac	taagagggcc	agaactcaac	1260
cccaaggagg	aaagcgagga	gtcggcaagc	aagaaacaaa	aggtgttgca	ggacgaggcc	1320
agttctgcag	caacatccac	cctcggcgaa	acaaagccag	cggtggacaa	atccgacgtt	1380
ttccctgtgc	ttgatgtttt	accggcgaa	atggcggctg	gtaccgggtc	catgactcga	1440
cccctacatg	tgggtgattt	ccgactggca	gatctacgca	aagtcatgca	gagcgcggga	1500
cataaggcag	aattccgtgg	cgagggaacg	ctcctcatcg	atgggatggg	cgctgttcgc	1560
aaatcgggta	ctggcaggat	tgaaatcgag	gcattctgcg	agtcgtcgac	catgaaccaa	1620
gccacgggac	gtggcggtgg	aagctttcta	gcagtgaaga	ggaagatcta	cgatggtctg	1680
gcagttgttg	cgggaagttg	a				1701

<210> 8272

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8272

cggagcgcca	taacctcgct	cagagacggc	tcatacaaaa	tcatttcaa	cctaaatcag	60
accaagtatg	tagatagatc	aactcacaac	ttcactgaac	ctaacgcagt	gtctcttaat	120
cttcgtttta	atcctccgtc	ggaacctctt	gtatatactc	gttcgtccgc	ggaccagtat	180
atttcttaca	gacaacagaa	gcgttaa				207

<210> 8273

<211> 600

<212> DNA

<213> A.fumigatus

<400> 8273

atcattgcca	tcattttttca	ccatcatagc	tcacatcatc	atagatttgg	cacacatatt	60
tcagtcatgg	ctttttttct	aaggcgcccg	ttcgccgttc	caacggctct	tcgtcaagcc	120
cctaaggctg	cgaacaccgc	tcgcttcac	cacaactcac	ccatcaagcc	tggttcagtcg	180
aagcctctag	gtccctgctc	gtcctcaatc	ttcgcacagt	ccaaacagac	catccagaat	240
gccttcaggc	gcacctacat	gcagcagctc	tacggtagag	ctcagcgtgg	cgacctcacc	300
cagcgcctgc	tctacggtgc	ggccattgtg	ggtggcactg	tcattggctac	gaacttcata	360
ttcaaccgtg	aaacaagaga	ggatggcgga	atgcctcact	acgagcgaag	ttatctgaat	420
gaaactttta	tgacacccgg	acttgggtgt	ggtattatcg	gtatcgccgc	tagagctttg	480
cacatgaacg	gatggcttta	tcgtttgatg	gccaccaacc	cttgggtggg	tgctgggtgt	540
ggtctagctg	ccagcatggg	cacgatgttt	gctacctact	atacttctcc	cgataagtaa	600

<210> 8274

<211> 495

<212> DNA

<213> A.fumigatus

<400> 8274
 cggggtatttta gctacgtaat gaagtatggg ctctgggctg ccttcaacgt cactcagggt 60
 gcgcttctctt cccctctgat gttcatgcac cctgccctgc tcgctcgtgc cggctctttac 120
 actggttgga tgatgggttc gattgcgttc gtcgggtgcca ccgcgaagca ggagaagtac 180
 ctctacctag gaggtcctct cctcgtctggg gtgaccatcg ttgccctttc cggcttggtc 240
 cccctcgtta tccccgccac tgcgcgtcgt gctctgatgt ggtccgagaa gatctgggtg 300
 tacggtgggtc ttgctgtctt tgggtggcttc accctttacg acgtccagaa gatcctgcac 360
 cacgctcgtc tggccgaacg aggacttggt cgcagggatg tcgtcaacga gagcatcagt 420
 ctggagttgg acttcatcaa catcttcgtt cgtatgggtg agatcttggc catgcagcgc 480
 aacaaccgga aataa 495

<210> 8275
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 8275
 gcagaggata atggcatggg gattcaaagt ccaggcatcc tcgtgtccac cactggggtc 60
 attaggactc gctataccta tactcgtgcc ttccaggctg tcctttttga gctgatttt 120
 ctgcaagggtg tcaaagacca ggcatttgcc cagattcgcc gaattggcca gagcagcccc 180
 caaacaacct gcattcgtct cgtcgtgccc ggtatgcaat ataagcagca ggtcttcacc 240
 cgccaagagc accgcagaca gctgaagcga gcatag 276

<210> 8276
 <211> 627
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (532)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8276
 atagcgacgg atgtctcctt tgatcgatat tgttttccag tgatcagcat cgacgacgac 60
 cgccgacatg cagaccctgt tcctttctct cctggcggcc gccgtgaccg tccatgccta 120
 cggttctggt ggcagcaact gggatcaggc ctactctcgc gccaaagatg ccctgcagaa 180
 gctcaatcag accgaaaagt ggggttggtg accggagtca aatggatggg cggccccctgt 240
 gtgggcaaca catacaagcc cgagtcgatc gactaccctt ccctgtgttt gcaggactcg 300
 ccgctgggta tccgcttcgc aaaccccgtc actgccttcc cggcgggtat caatgccggt 360
 gcgacctggg ataccagct gctgtatgcg cggggagcag caatgggcgc tgaggcgaaa 420
 ggacttggtg ttcattgtga gcttggtccc gtcgctggac ctttggggaa gaacccgaat 480
 gggggcagga attgggaggg attctcagtg gatccgtacc tgagtgggtg anccatggag 540
 aagaccatcc gaggaatgca ggactcggga gtgcaggcgt gtgccaaagg atgttctcct 600
 cgccaacaga aagaagcctc gtgctga 627

<210> 8277
 <211> 303
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (246)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8277
 cactggctgg gaaatgagca ggagcactac cgcgacacga tcagctcgaa tatcggcgac 60
 cgtgcggcac acgagctgta cgtgtggccg ttcattggacg ccgtcaaggc gggcgtcgcg 120
 tcggtgatgt gctcgtacaa caaagtcaac ggcacctggg cgtgccaaag cgatgccctc 180
 aacaacaagc tcattgaacga agagctcggc ttccccgggt acatcatgac cgactggaac 240
 gcgcancaca gcaccgtcaa cagcgcgggt gtcggaattg gacttgaaca tgccggggcag 300
 tga 303

<210> 8278
 <211> 258
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (75), (242)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8278
 gagagaattg gctacacaga caccatgaag acctttgcga tccttggagc tttcttctcc 60
 tctgccctcg ctcanactct ctgtgaccag tatgccacct acagcaacgg ccgctacacc 120
 gtcaacaaca acctctgggg catgagctct ggctccggct cccaatgcac ctatgtccat 180
 agtatctccc actcgggggt taccttggca tacgacctgg gacgtggtcc gggcggccga 240
 cnaccaagtt ccaaaaacc 258

<210> 8279
 <211> 300
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (264)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8279
 caggggaaggt accgtattga ttcttccac caaaatgatg aaaaagagct gatggaatgg 60
 cgaatgcagg aacacggcgg gatcgacctc attttccaca cgaatctctt ctcaagcaag 120
 acgatggatc tcgcgggtcca cccgtcagaa gtcaacatgt ccttctctgga tcccgtagac 180
 ggctcctggg cttegatctc cggcaccgcg gcgctggttg ccgaacagga gaccgtaaag 240
 agatactact cgctgcgtt gcangcgtgg ctgggtgatc tgggccaagg tgtacattga 300

<210> 8280
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 8280
 actactgata tagatatttc accctgtcta tctgtacaat acacaatgtc ttccacgatc 60
 aacacaagca ccggcaacaa gcccgttgac ccctacaagg ccaagagcct cgaggatccc 120
 cctctccagc aaaaagtcca ggacatggtc aactttatca gcgagaccaa attcggcatg 180
 ttgacgacga aactgtccaa ctcgacctc ttgacttcgc gatgcatggc ccctagcagg 240
 gaaggtagcg tattgattct tcccacaaa atgatgaaaa agagctga 288

<210> 8281

<211> 558
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (545), (548)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8281
 tcgagcagca caaacgacga cgtatatccc acagcattat accgatcaat ctccgggacc 60
 ggatgcggcg caacggggag gatgatggcg tcgaccgacc ggccggccag ccggtcgcca 120
 tcgcgcaccc acatcccccag cagctccttt tccaccgacg accgctgcgc ctgcaactgc 180
 gccagctgca ccacgctcag cgccttgccg cgcttcacgc ggccctgcag ccacgggatc 240
 aacggctccc cegtgccttc cagcagatcc agcattgtcg acccatcatc gacgcccac 300
 agccggcccc ccagaccctg gcaattggac agcgccggcg ggacggggat gtcaaccacc 360
 tcgacgcccc cegtccggcg cagcatctgc gccacctcct ccagcaccct cgccaccggc 420
 ggcagcggtc gcaacgacgc atccgacctc agcaccccaa tcgtcacgtt tctcctccgg 480
 cccgaacggg ggaactcccc gtcccacaac gtcttcaccc cagggccgaa ggaccgagca 540
 tgcgntangc cccccccc 558

<210> 8282
 <211> 294
 <212> DNA
 <213> A.fumigatus

<400> 8282
 tcaaataatc cttcatctgc cgaacgggtc gaacctcggc cagtcgggtc aaagactcca 60
 tggaaatgtg ggggaagtgg ggctactact ataaacatag agagctgtcg tctcaataca 120
 ttcggtactg atatcacaac ctatctctca tccatcgga tcaagatgtc agctgaagaa 180
 caagtccgcc tcgataactt tgactccatc ttctccctcg atggcaaagt tgccgtcgtc 240
 accggcggtt caagaggcct cggtctccat gctgccagcg ggtacgtcta ctga 294

<210> 8283
 <211> 426
 <212> DNA
 <213> A.fumigatus

<400> 8283
 gctatgggta ggtttgcccc cctactcacg gccaaagcaa cccgtgagtc gccctcgcg 60
 gtcacgtgca ctggttccgt cgctggcatt ggggtcggct ctatcggcga aaatgccacc 120
 tttgcgtact ccgcctccaa agcagccgtg attcacctgg ccaagaacct ggcggttgag 180
 ctgggtcccc ggggcatcct gtgcaatgcg attgcacccg gcttctaccc gtccaagatg 240
 gccaatgggt tgatcgagaa gcagggcggc ctcaagcagc tggaggagca ctgcccac 300
 cggcgactag gcagggcgga ggatattgcc gggctggtgg tgttcttgtc cagccgtgcg 360
 gccagtcatt tgaatggggc tgtgattgtg actgatggag gggccgtcct gaagggaaga 420
 ctataa 426

<210> 8284
 <211> 471
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (460), (463)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8284

tggcgtcgac	cgaccggccg	gccagccggt	cgccatcgcg	catccacatc	cccaacagct	60
ccttttccac	cgcagaccgc	tgcgcctgca	actgcgccag	ctgcaccacg	ctcagcgctt	120
tgcgcgctt	cacgcggccc	tgcagccacg	ggatcaacgg	ctccccctg	ccctccagca	180
gatccagcat	tgtcgaccca	tcatcgacgc	ccatcagccg	gcccgccaga	ccctggcact	240
tggaacagcg	cggcgggacg	gggatgtcaa	ccacctcgac	gcccgcctgc	cggcgcagca	300
tctgcgccac	ctctccagc	accctcgcca	cggcggcag	cggctgcacg	acgccatccg	360
acctcagcac	cccaatcgtc	acgtttctcc	tccggcccga	acgggggaac	tccccgtccc	420
acaacgtctt	caccccacgg	ccgaaggacc	gagcatgcm	tangccccc	c	471

<210> 8285

<211> 537

<212> DNA

<213> A.fumigatus

<400> 8285

ccgttgagat	gcaccctgac	cgcgtcaagc	ctccttcagg	cgggctgctc	aaaggtctac	60
atcacctccc	gtaaagccaa	agcgtgcgat	gaggccgtcg	cgcacctgaa	tgccctcccc	120
aataagcgtc	ccggcgcggt	agccattgcc	gtccccgcgc	acaacgcacg	catggacgac	180
ctggaccgac	ttgtggccga	ggtaagaag	acaaccgatc	acgttgatat	tctctttgca	240
aacgcgggcg	ctacctgggg	cgagcgggtc	gaaaagtatc	ccgagtctgc	cttttccaag	300
gtcatggatc	tgaacgtcaa	gagcgtgttt	tatttggtgc	agaagtatgt	ccccattagt	360
ttttggtgta	tatcaacttt	aactgagcta	tggttaggtt	tgcccccta	ctcacggcca	420
aagcaaccgc	tgagtcgccc	tgcgcgtca	tgcactcgg	ttccgtcgct	ggcattgggg	480
tccgctctat	cggcgaaaat	gccacctttg	cgtactccgc	ctccaaagca	gccgtga	537

<210> 8286

<211> 210

<212> DNA

<213> A.fumigatus

<400> 8286

gtcatccctt	tcttctctct	gctcaagagt	tccccactga	tctggcacat	agggaaacgag	60
aaaacgggtg	atcgacgtgt	atacctcgac	tctcccctga	gcattcaggt	cgtcacaccc	120
aagcagcacg	actacgagct	ctacagggcc	atggagatta	ttgaccgagt	agtgcgggca	180
gaggagcaca	agacagttgc	caagctgtag				210

<210> 8287

<211> 714

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10), (13)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8287

ggggggggcn	tancgcatgc	tccgtccttc	ggccgtgggg	tgaagacgtt	gtgggacggg	60
gagttcccc	gttcggggccg	gaggagaaac	gtgacgattg	gggtgctgag	gtcggatggc	120
gtcgtgcagc	cgtgcgcgcc	ggtggcgagg	gtgctggagg	aggtggcgca	gatgctgcgc	180
cggacggcgg	gcgtcgaggt	ggttgacatc	cccgtcccgc	cggcgtgtgc	caagtgccag	240
ggtctggcgg	gccggctgat	gggcgtcgat	gatgggtcga	caatgctgga	tctgctggag	300
ggcacggggg	agccgttgat	cccgtggctg	cagggccgcg	tgaagcgcg	caaggcgctg	360

agcgtggtgc	agctggcgca	gttgaggcg	cagcgggtctg	cggtggaaaa	ggagctgttg	420
gggatgtgga	tgcgcgatgg	cgaccggctg	gccggccggg	cggtcgacgc	catcatcctc	480
cccggttgcc	cgcacccggg	cccggagatt	gatcgggtata	atgctgtggg	atatacgtcg	540
tcgtttgtgc	tgctcgacta	cccggcgggc	gtcatccccg	tgcggaagtt	ccgcgagacg	600
gatctggagc	tggggccagga	gatgacggcg	ccgggtgctgg	ggagctggga	caaggccaac	660
cggtgtgtgt	gtaagtcac	cctttcttcc	tcctgctcaa	gagttcccca	ctga	714

<210> 8288

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8288

aacaatcata	tctcaacttg	tgaactcatt	tctaggcaaa	ataattctct	tagttttcta	60
aactctggta	actatggggg	cctattcggt	gaacacgtgc	caacagatac	cggaacctcg	120
cgaaatgggt	ataaacaacc	atcccgcac	ctcgccgaaa	tggtgtggac	tgctaccac	180
cgcattcaac	tgtgcctcta	g				201

<210> 8289

<211> 1152

<212> DNA

<213> A.fumigatus

<400> 8289

tgcgcggatc	ttgggctcct	tggggcaatg	ttttcgaaga	cgatcagaaa	cgtaatttgg	60
gatgtgccaa	ttcaattttt	cggcggccat	tatcatatcc	gcgactatgc	tcggtacgat	120
tctaaagcgt	acgggctggc	gagcggccgc	ttcatggaga	ccattggggt	tttgtcaatc	180
gacggtctgt	ccactagtaa	gaatcggtc	aagcctgctc	aagcaactcc	cagcttcaac	240
cgacggtaca	ttgataacaa	cctctactcg	tttcaccatc	acactgggtc	tgatcgggat	300
tcttttccca	cagagcacgg	tccaaatata	tcgcatctta	ttcagcagtc	cagggatgcc	360
cttgatctgg	ataggggtgca	cggttgcgct	cctcgggacc	tctggatgac	ccgagtaaag	420
tatccctctc	atgacagtat	atatacgtgg	ctcgaggaga	acgtgcttcc	tagtcaagtg	480
aaggatgact	ctcgcaaaag	gaagcccgcg	ttgggtcattg	tcaacactgg	agccatacgc	540
ttcgacatat	ttaagggtcc	gtttacacaa	gatacgacat	tcattgtctc	gccctttacg	600
agcggcttcc	ggtatatcaa	ggacatcccc	tacgacaaag	cgcaaacggg	agtagacatt	660
ttgaacaagc	agccgcaaat	tttgactgcg	cccaaggacc	acacaaacca	cacaccatgg	720
actcttgccg	cacctgagca	atcaatgcat	atgcacgata	agattgtgga	aagcgacgat	780
gtggctgccc	attatcttac	tgatcagagt	cggcttccaa	tgagcacacc	attcacgcct	840
aagggttttcc	ctggctacac	cactgtagat	gatgggggta	tagatgggtga	tgacactgtt	900
cattcgccaa	tatcattcta	ccgtgttcca	aattgcattc	aagctctcat	caatccaggg	960
acgtctgccg	atccgaacac	agtggatctt	gtgtatattg	actttatcga	gccctacgtg	1020
gcgctggccg	ccaaatttgc	gagacttgat	ctcgattttg	cacgggatag	tgacgtctat	1080
atgcccttcg	agactttaac	tgatcttatc	ttggactggg	tcaaacataa	ctggaaatgc	1140
gaagatgcat	ga					1152

<210> 8290

<211> 1068

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (269)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8290

cctgacttgt	tttctccctc	atccaggcctt	cacaaacatt	cgatatctcc	tcctcatgga	60
acacaagtca	ctctccgtct	tctagcggcg	cctttgaacc	cgcccgatgt	gaatcagatt	120
caaggggtat	acccaagcaa	accgcccttc	cagaccacgc	tgggcacaat	ggagccgtct	180
gccgtcgcgg	gaaacgaggg	cgcattcgag	gtcattgcca	ctggctccaa	cgttaaaaat	240
cttgccaaag	gcgactgggt	cgtaatgana	cagacaggac	aaggcacctg	gcgcactcac	300
gcacagttag	acgaatcaca	ggtgatcagg	attgaaaaca	aagaaggctc	gagcccgcct	360
caggtcagca	cagtcagcgt	caatccgggt	actgcctacc	gaatgatcaa	agacttctgt	420
gactgggatt	ggatgcgggc	cggggaagag	tggctcatcc	agaacggagc	aaacagcggg	480
gttggacgag	ctgcaatcca	acttgcacgc	gaatggggca	tcaaacgat	caatgttgtg	540
cgagagagaa	ggacaccoga	agaaactgat	gctctaaaaa	gggagctcta	cgatcttggg	600
gccaatgcag	tggttactga	atccgagctg	ctatctggag	aattcaagag	catggtgaat	660
gaattcacc	gccaaggaaa	ggagccaatt	cgactagccc	tcaactgcgt	gggtggtaag	720
agtgccactg	ccctggcgaa	gacccttgct	ccaggttcac	acctggtcac	ttatggtgcc	780
atgtcaaaac	agcctgtcac	tttgccatct	ggacttctga	tcttcaagaa	ccttgttttc	840
gacggtttct	gggtgagcag	atggggggat	aaacatcctg	agctcaagga	aaacacaatt	900
aatgatgtgc	tgaagttgac	tcgagccggc	agattcaaag	atatcccagt	ggaatacatc	960
agatggacct	gggaaaccga	agccgctgag	ctggttgccg	gtgtacagga	gactctaagt	1020
ggattccgca	aaggtaaagg	cttggttaaaa	tacgaagggg	acgaataa		1068

<210> 8291

<211> 897

<212> DNA

<213> A.fumigatus

<400> 8291

tgtcgtctgg	acgcggttct	tctgccccgt	ggtgaagacc	atgttcagaa	gatcgatcgc	60
aagaagttgg	gtatcgacgt	ctcgaccatc	gagcaggagc	tctcggaaca	ggcggctggg	120
gatgcagaac	aaacacgtag	gctcactgcg	gaggaggaag	agaaaattaa	gcgaactgct	180
accagacctg	atctgtatga	gcttctctct	cggtccttgg	ccccagcat	ctacgagatg	240
gacgacgtga	agaagggaat	cctgcttcag	ttgtttggag	gcaccaacaa	gaccttcag	300
aagggtggta	accacgata	ccgtggagat	atcaatatcc	ttctctgtgg	tgacctctct	360
acatccaagt	cccagcttct	tcgttacgtc	cataagattg	ccccctgcgg	tgtgtatacc	420
agcggcaagg	gtcctcggc	tgttggctct	acggcgtagc	tcaccgcga	tcctgaaacc	480
cgccagatgg	tcctcgagtc	gggtgccttg	gttctttcag	acggcggtat	ctgttgcatc	540
gacgagttcg	acaagatgaa	cgaatccact	cggctcggtc	tgcatagaat	catggaacaa	600
cagacagtat	ctatcgccaa	ggcaggcatt	atcactactt	tgaacgctag	gaccagcatc	660
ctggcttccg	ccaatccgat	cggtagcagg	tacaatccca	acttgcccgt	tcctcaaaat	720
attgaccttc	cgcctacett	gctctccgga	ttcgacttgg	tatacctcgt	gctggaccga	780
gtggatgagc	aggaagatcg	tcggctcgct	aagcatcttg	tcaatatgta	cctggaagac	840
agacctgagc	atgctgccga	gcaagaaatc	ttggtaagtg	cttttctgac	cacctga	897

<210> 8292

<211> 621

<212> DNA

<213> A.fumigatus

<400> 8292

cccgttcatt	cactgcagcc	gatcgaattc	cttacagcct	atatcaccta	cgccaagacc	60
aaagtccacc	cagtgtctac	accggccgcc	ggtaaagcct	tgtcggatgc	ttacgttaac	120
atgcgtaagc	ttggagatga	catccggtct	tctgaccgcc	gtatcacgcg	taccactcgt	180
caactggagt	ccatgatccg	actgtcggaa	gcgcatagcg	gtatgcggct	atcgccggag	240
gtcactgogg	atgatgtgga	ggaagccgtg	cgcctgatcc	gctccgccat	caagcaggcg	300
gccactgact	ctcggaccgg	tctgatcgac	atgagcttgt	tgacggaggg	cactagtgcc	360
agcgagagac	gcagccggga	agcactcaag	cgtgccttgc	tgtctgtggg	ggatgatctg	420
tgcagcggtg	gcggtgcagc	tcgctggggc	gaggtcttca	ggatcttaag	cgagaacagc	480
agcattgagg	tggatggagc	ccagtttgcg	gatgcgggtc	gagcgctgga	ggctgaagga	540

gcggtgagtg tggtcggcga aggtgccccg gcgggaatat ccggcgcaatt ggccggcgctc 600
 ttctgtagac cagttctcta a 621

<210> 8293
 <211> 393
 <212> DNA
 <213> A.fumigatus

<400> 8293
 ccgaacaaac tctatgccat ccttaccccc ctgcagcagc cgggtgtatta tactttctagc 60
 gattcgtctt tggatgtttg gacgatcatc gcggcgacgt ctgaggatgc gactgttgat 120
 ttcacagaca cgggagataa gacttgtctg gtcatgcaga tgagcgataa cacttttcaa 180
 gtgctcctcc gcctgatgtt atactttcgg cgtaggcctg ctacgcggaa ttttgtatat 240
 ctttacctcc tgattttgcc aaagtgtacc tttcttggtc atttaatttg gattgcaatc 300
 cgtgccctac aaatgcaagg cagccttgta agtcacatcc ctagaattaa tggggtagtc 360
 acctggagac ttagatctcc tataaatata tga 393

<210> 8294
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 8294
 actcatctgt cagtcagcat ggaagtttca atactatcgt tattcaaggc atatgccgca 60
 tacgtcacag ttgcgggtgg cctccttcgt ttaattacca atcgggtccg taggggcctt 120
 gcgggaattc caggccctac aatcgccaaa tggaccctgc tgtggaagtt gcacagtgtg 180
 tggagggtta atcaccacac taccgccatt gacttgcac gcaagtatgg accgctgggtg 240
 cgcattggtc caaagcatgt atctgttgga gatcccagtg ctattccgat catctacggt 300
 ctcaacaaag gggtcacaaa gggttagaggg tag 333

<210> 8295
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 8295
 aagactggat tctatcccat ccagtgcata tcatggaaca aaaggcctca gatgaacctt 60
 ttctccacgc gcgacgagat gttccaccgg gaacaaaagc ggccgggtggc gaatgcctac 120
 agtatgacct cgctgctcga gctggaacct gcagtagact cctgcactga gatcttcac 180
 aatcagctgg cgaagggttcg ctaa 204

<210> 8296
 <211> 339
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (203)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8296
 actcctgcac tgagatcttc atcaatcagc tggcgaaggc tcgctaatac caagaaaccc 60
 gtcgacctgg gcatgtggct gcaatactac gcctttgacg tggtcgggga attcaccttt 120
 gccaaagaaac tcggctttct gccggaagga aaggacgtcg acggcatgat tgaagcaatc 180
 caggggatgc tgggtgtatgc tantgtgtgt ggtcagatcc ccgaggctca cccgctgctc 240

ctggggaatc ctcttttccc gatcttcacg cccagcatgg agacatggaa ccaggtcctg 300
 aatttcacgc tcaaggcgat caactcgcga gcatactg 339

<210> 8297

<211> 768

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (762), (763), (765)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8297

atactgatct	tgaagggtt	cttcgagtct	cgtaatgacc	ccaagaacga	ccccgttgtt	60
ctgtggctca	atgggtggccc	tggctgttct	tcccttactg	gattgttcc	ggagcttgga	120
cccagcagca	tcaacgagaa	gatcaagccc	atctacaatg	actttgcctg	gaactccaat	180
gcctccgtca	tcttctctaga	ccagcctgtc	aatgtcggct	attcttacag	tggcgccgct	240
gttagcgaca	cgttgctgc	aggcaaggat	gtctacgcc	tccttaccct	tttcttcaag	300
caattccccg	aatatgcaa	gcaggacttc	cacattgctg	gagagtcgta	cgctggtcac	360
tacatcccg	tatttgcctc	tgagattctg	tcccacaaga	agcgcaacat	caacctgaag	420
tccgtcctca	ttggcaacgg	cctcacagat	gggttgactc	agtatgatta	ctaccgcccc	480
atggcttgcg	gtgagggtgg	ttatcctgct	gtcctggacg	aatccagctg	ccaatctatg	540
gataacgctc	tgcctcggtg	caagtcgatg	attgagtctt	gctacaacac	agagagttcc	600
tggatttgcg	tccctgcttc	gatctactgc	aacaacgcgc	tccttgggtc	ttaccagaga	660
actggccaga	acgtctacga	tattcgtggc	aagtgtgagg	attcgagtaa	cctgtgctac	720
aaggtcttca	ccgggggtgc	aagacgctca	gtgcaatcaa	anncngca		768

<210> 8298

<211> 516

<212> DNA

<213> A.fumigatus

<400> 8298

gttaccatga	gagttcttcc	agctacattg	ctggctcggag	cggccactgc	ggctgctcct	60
cccttcacag	agatcctcgg	attgcccagg	aagagtgcgg	acacattggc	caagcctctt	120
catgacctcc	aagagcagct	caagaccttg	tctgggtgagg	ctcgtcatct	gtgggatgaa	180
gttgctatcc	acttccccaa	caacatggat	cataaccggg	tcttctcgct	gcctaagaaa	240
cacaaccgtc	gtcctgactc	ccactgggat	cacatcgctc	gtgggtgctga	cgtccagagt	300
gtctgggtcg	cgggagccag	cggcgagaag	gagcgagaga	tcgatggcaa	gctggaggcc	360
tatgatctga	gagttaagaa	gaccgatcct	agtgtctctg	gtatcgatcc	tggtgtgaag	420
caatacactg	gttatcttga	cgataacgag	aatgacaagc	atctgtttta	ctgtgagttc	480
taccttgatc	tcttgggtctg	cgtagctgaa	tactga			516

<210> 8299

<211> 360

<212> DNA

<213> A.fumigatus

<400> 8299

aaaatcaact	gtgctggtaa	cctgaactcc	cttgaagtgg	agctgcccga	cctctccagt	60
ggcaccaaca	tgaccttccg	caacgtcagc	gctgtctctg	tccctctctt	ccacaacctg	120
actggctcagc	ttggcttctg	gggtgacacc	ttcaagtctt	tcagtgtctc	caaccttacc	180
gagactggcg	acctgggtttt	caactccaac	agcaagctca	ctaactcag	catgccagct	240
cttgagactg	tcaacggtgg	tttcttgatt	acccgcaacg	atgagctcag	cagcattgat	300
ctgccttccc	tgaagggtgt	tactggtgcc	gttgacttca	gcggcaagtt	cgacgagtaa	360

<210> 8300
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 8300
 tcaaatcgca gagtgagcat gcccaaaactc gagaacgtca agggccagtt caacttgcag 60
 agcaccggca acttcagctg cgacaccttt gacaaggccc ataatgacaa ggtcattcgc 120
 ggtacctaca agtgcaaggc tgctgagcct aacctacca ccaaggatgg atctttctggc 180
 accaccacta gcagcggcag ctctgcttcc gcttccaagt ccaatgctgc tgacctcaac 240
 gctgctaacc tccctgctct cggattcgcc gccgtttttg gagctctggt gcagtacgtt 300
 ttgtaa 306

<210> 8301
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 8301
 gatatttata agtggagacc cgattggctg tggggatatca aatccattga gcaacactgg 60
 aaaagcctca tctgggtggc attcactttg agcctcttag tctgtgactc tctctctctt 120
 tctctcatt tctctctctc ttacctgtct ccagtctctc tccctagagt tctccgcgg 180
 cgaaccttcc ttggtcattt ctccaagaac tgtctgtaa 219

<210> 8302
 <211> 348
 <212> DNA
 <213> A.fumigatus

<400> 8302
 ctcacatgt cctctgttt aaaccgcctt acagaagaac ggtatgtcca tcaaccacagc 60
 ttaaattcgc gccgcgcaaa cacatccacg actccgcaac cgacaacaac ccaagagaga 120
 ctgacaaccc ccacgcgcag gaagcaatgg cgacgcgacc acccgttcgg cttctacgca 180
 aagcctcatc ggacacccca gggcgtgctg gacctgaagc gctgggaatg cggtatcccg 240
 gggaaagcga atacgctgtg ggaaggcggc ctattcaagc tggacgttgt ctttccagat 300
 ggtaagcctg cctgtgcctg tggtcgtgac cggtcgggtc ttgtataa 348

<210> 8303
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 8303
 actgacgtcg caaacgatac aggcaaattc gtccccccac tcttccaccc caatgtctac 60
 ccctcgggca ccgtctgtct ctcaatcctt aacgaagaag aagcctggaa gccggccatc 120
 acaatcaagc agattcttct gggaatccaa gacttacttg atgacccgaa cccagagtct 180
 cccgcgcaag ctgaagcata taacttattc aagaaggacc ggccggcgta cgagcggcgc 240
 gtgcgccagg tcgtcaagga gaatcctgct ctctag 276

<210> 8304
 <211> 396
 <212> DNA
 <213> A.fumigatus

<400> 8304

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gaatccctca	cgacccatcc	ttctaccgcg	cagcaggccc	gggccttcac	ttcccccgct	180
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aacataacga	ttggcgctca	gggtgcgaat	ggaactgtga	acggccatca	gcagggagga	300
aatgccgtca	atggcaatgg	ggtgacgccc	gctactcccg	ctgcaactcc	tggtgccaat	360
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<210> 8305

<211> 474

<212> DNA

<213> A.fumigatus

<400> 8305

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atccagaaac	tgggcttcaa	tgccaaagttc	accgacttca	agatccagaa	catcgtcggt	180
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gtcctcttga	tcttcgtcag	tggaaagatt	gttttgaccg	gcgccaaagt	gcgtgaagag	360
atttatcagg	cggttcgaatt	gatctatcct	gtgctttctg	gtacggttat	tctttttttc	420
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<210> 8306

<211> 390

<212> DNA

<213> A.fumigatus

<400> 8306

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atcgctcgact	accacctga	ctacgcgggc	ttgttcctcg	ccacaggcgg	cagcggtcac	180
gcatacaagt	tcttcctgt	tctgggcgac	aaagtcgttg	acgcgatcga	aggaaagctc	240
gagcctgagc	tgcgcaatct	ctggaagtgg	cgggtcaagg	tcgaccagag	cgctttcgaa	300
ggggacggga	gcagatccgg	ggagcagggg	cttctcctga	tggaggagtt	ggccaaaagt	360
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<210> 8307

<211> 228

<212> DNA

<213> A.fumigatus

<400> 8307

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cctctggagg	gccaggaagc	tttcagaaca	gccctcaagg	agctacttcc	cagcttcgcg	180
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<210> 8308

<211> 780

<212> DNA

<213> A.fumigatus

<400> 8308

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tatgtgctga	caaacatcct	cgaaagagcc	tatgccctgc	aacggcgaca	tcccatcact	180
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ctggcccgtt	taatggagtt	gttcgatgcc	atcgatgaag	aggtggttga	ttgttggaa	360
cagcgctgca	acgtcaattc	aggctattgt	aataatctca	ccgaggagaa	ggctttgtcc	420
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tacaccatca	cggttgctgt	ggacgcgttg	aaaatatgcc	agtcattacg	gcttagctca	720
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<210> 8309

<211> 378

<212> DNA

<213> A.fumigatus

<400> 8309

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cagcctcttg	gtgagcattc	tacagcctcg	gtggctggct	ccatggcagg	accaggcgctc	180
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tttatggaaa	aattcaaggc	gtatctgagt	tctttgcaca	tcgtcggggg	tgggtgcagc	360
aactgggcgc	aaacgtga					378

<210> 8310

<211> 1251

<212> DNA

<213> A.fumigatus

<400> 8310

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ccgcggttcaa	acacctcgat	cgggcgctcg	tggcctgcaa	cagataacct	gtcagtagat	360
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gacaatctag	atgcgcaggt	gcctgtattc	gagtttccag	gaagcaatat	ctacctaaag	480
gcategctgc	cgtcgatcat	ccaaccggag	caggaagctg	ctggattgca	gccgcatcat	540
gtggacactt	caaacttggc	tctttctact	atgggggtca	tgccagccgg	acccgttccg	600
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<210> 8311

<211> 375

<212> DNA

<213> A.fumigatus

<400> 8311

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tggatgctat	tggccatgag	ccagatgaat	ggcgagtcgc	aagcgaacaa	ggtcggccaa	180
gcatttgccc	aaaagctact	agagatcggc	gacatacata	cgtcggctac	cgtattgctg	240
ggctctgggtg	ataaaaaacga	agctattgaa	gtctatgtct	ctcagaactg	ctacatggaa	300
gcgattctga	tgacttgtct	cctgacgccc	acggattggc	agcgccagtc	atatctggtc	360
cgtcgatggg	ggtga					375

<210> 8312

<211> 873

<212> DNA

<213> A.fumigatus

<400> 8312

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cctcgtgggt	ttgctaatta	tggcccaact	gctactcttt	tcaactctcg	gcccactac	180
acagtgc	caac agtacgattt	agataaccgc	agtatgggtg	ctaactgtgc	acacattcct	240
gctggggccc	ttactgcaac	tccagaagaa	cccaggggag	gatctgtaga	ctcacgagcc	300
ttgcaggatc	cgccagatct	tagagaatca	gcgcgcattt	acgacagccg	gccacctttt	360
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atgctgagtg	tcgtgtttgg	atgggatggg	gatattcaag	acctgattag	agacgagtg	840
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<210> 8313

<211> 1392

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (427)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gatccctgga	cttctcccgc	tgcgcagcaa	gctgcgtctt	ttgccgaaat	cctttcaggc	180
cgatcgccga	tgacgtctcc	tgagccacag	cctttgcagc	aacaatcttc	gaatttcctt	240
cggccgactc	cgaattcaca	gccaaaggtg	ccacctagca	ccagatcgaa	cgcgaaaaca	300
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aagggcacag	gaaccaaaca	tcctgccagc	aaatcacgca	atagtagcag	agtggaggaag	1320
ccacgctctc	gacactcatc	ggagcgtcgt	cggcatcggt	ctgtattcgc	cacgggctgg	1380
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<210> 8314

<211> 240

<212> DNA

<213> A.fumigatus

<400> 8314

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gacgacatgg	agaccgagga	ggcgtagctg	tatgaggccc	cagactgctg	cggagtctct	120
cttcactctg	ctgaagctag	cgagaacgat	gtagcgcgtc	gtcccgatct	acttggtgct	180
gaaaaatggc	ccatcctgta	tttccttgaa	gatgctttcg	agctgacgga	gttggcgtga	240

<210> 8315

<211> 477

<212> DNA

<213> A.fumigatus

<400> 8315

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tccgaagaaa	cctgcgactc	cttcctctgc	cgttgctat	ccttcgcgga	ggcctcggat	180
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aacaggtcgt	catcactctc	ggcttcaagc	gcctctcggc	tgatttttca	gccggcatat	360
tgttttccga	gattgattgg	gtcctgcctg	cgaagcctcg	cctttctggt	tgagggttaac	420
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<210> 8316

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8316

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gggtgtgggc	aatctaccat	tgacggtatg	aaacttttgt	cttggtatgc	atccgaatat	180
ctcatatga						189

<210> 8317

<211> 723

<212> DNA

<213> A.fumigatus

<400> 8317

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ccatcccaac	ctacaggcaa	cattcccattg	gacaccactc	ctatctcatg	gcgtgggtctg	180
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gtgcctacgg	ttgtttcaga	ggaaagtgat	gaccgcagcg	taaggcgcaa	ggcttttctg	660
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taa						723

<210> 8318

<211> 534

<212> DNA

<213> A.fumigatus

<400> 8318

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gaagccgaga	gtgatgacga	cctgtttaga	ccacgctcaa	gcgacgagga	ggaggatagt	180
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agcggagaat	tttcctccga	cgacgatcaa	gaggggtgacg	aggacgggga	tgacgacgag	480
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<210> 8319

<211> 645

<212> DNA

<213> A.fumigatus

<400> 8319

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<210> 8320

<211> 396

<212> DNA

<213> A.fumigatus

<400> 8320

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aagaatcttt	ctttctttct	tgccgacatg	aggcctcaac	ttctgcttat	ctatgccgtt	120
ctggctgggtg	ctgaaacgac	tgcaactgtt	gatcaatccc	cccaagagca	ctttggacta	180
cactcacagt	tcatcgacaa	gcttggggct	acctataacg	tttttgtaa	ggacttccat	240
ggcagcgata	agattcaata	catcaactca	accgacttta	tccccacaag	ccatttcgtt	300
cgattcgatc	aacacccaaa	tctagacgag	agaaacgttt	gccgcaagtc	gctgattgca	360
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<210> 8321

<211> 2655

<212> DNA

<213> A.fumigatus

<400> 8321

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gtacgttttt	gtctcaccaa	tttgaattcg	gggggggaat	caggggagat	acctaccggg	180
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cgttggcatt	tgaacgaatt	cacaggacga	aatatgatag	aagaagggtg	aaatcctcta	300
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acaacacatc	tctctccaga	ttctgcacaa	gcagtggcag	agaaacaaac	tagccgagaa	1560
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gtccagacag	agaaaaacaa	tgcctcgcgg	aagaagaaag	cacagacaaa	gccctcaacg	1680
gtggccagca	gtgaaaaaga	aaaccaggct	gatgagattg	aatgccaatc	ccaggaaatt	1740
tgtgggtctag	ggcaaaggaa	gcccggctta	tatgctctga	agaagccagg	ccacggaaat	1800
cgcagagcac	agacttcgac	tagagaaagg	gaaaggggtca	cgtctgggtta	ccacagtcct	1860
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aagatactct	ctcgtactaa	gaccattccg	aggctgactc	ccaggaaggc	catagttgac	1980
aacaatggga	gtccccggct	ggtctcacga	cacattgctg	gatcccaatg	ctctaccac	2040
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tcgcaaagat	ctagcgaatc	tggatacgag	gcggattttg	atgagcaact	agaacagatt	2160
ccgcttgaga	cacatgagat	ctcttcattt	cgtacgaaga	tggatgctca	tcgcgataaa	2220
tatgttcaca	gaaattgcga	aacagcaacc	cacaggaaac	tttctgaaaa	tcctgtgact	2280
ggttgcagag	aagggttggt	cgcgtcaaaa	ctcgtaaccg	catcaggaaa	ggagtttatg	2340
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gaaggcgatg	gaccgacaca	gctctcttcc	aagaaagaag	ggtgcttcat	agattccagc	2460
tgtgacccaa	ctgaaatgag	tccaagaagc	gaggagttgc	ctcgtcaggc	tgacttagta	2520
tcatcattgc	agtcactgta	tgagagcgcc	catgatatgc	tcctgattac	gaacgaggta	2580

tgtcaatgcc attatacaat tcattatgac cgtgtattgc taatgcagcg caaagcacct 2640
attgcacgga ctga 2655

<210> 8322
<211> 198
<212> DNA
<213> A.fumigatus

<400> 8322
aattggtcaa caaccctcac atcatgcaac tcctcatcca tcttcatcaa ttccggacatg 60
acaagtcata catggaaccc ctgcacatg ctcgatgttt ctgctatcta tctacactgc 120
acatccaaat ctctaggacc agtcctagcc gaaatgcgtc tgtcccccggtggagctctc 180
ctgacgatcc ctccctga 198

<210> 8323
<211> 282
<212> DNA
<213> A.fumigatus

<400> 8323
tcggccattg gtataaatat cctacccctt cagcccactc tcttcaccct cacttcccca 60
tcattctcct ctatctgtca tctgtccatt gacagcagcg acatgttttc gtcgctcttg 120
aaccgtggag ctttgcctgc ggttgtttct ctcttgcct cttccgttgc tggcgaggtt 180
tttgagaagc tgtccgcggt gccacaggggt ttgttctccc gacccccgc ctcttacgtc 240
gtgactgacg agaacaggat ggaaatactc ccacaccct ag 282

<210> 8324
<211> 597
<212> DNA
<213> A.fumigatus

<400> 8324
ctgacgagaa caggatggaa atactccac acccctagt accgcgatcc cattcgccctc 60
cagattgccc tgaagcaaca tgatgtcgaa ggttttgaga ccgccctcct ggaaatgtcc 120
gatecctacc acccaaacta tggcaagcac ttcaaactc acgaggagat gaagcgggtg 180
ctgctgcccc ccaggaggc ggtcgagtc gtccgcggct ggctggagtc cgtggcaatc 240
tcggatatcg aggaggatc agactggatc aagttccgca caaccgttgg cgtggccaat 300
gacctgctgg acgccgactt caagtggatc gtgaacgaag tggggcacgt tgagcgctg 360
aggaccctgg catactcgtc cccgcagtc gtcgcgtgc acgtcaacat ggtccagccc 420
accacgcggt tcggacagat caagcccaac cgggcgacca tgcgcggtcg gcccggtcag 480
gtggatgcgg acatcctgtc cgccgccgtt ccagccggcg acacctccac ttgcgatcag 540
gtcttcaccc ctcatgtct caaggatctg tacaatatcc gggactacca agccgac 597

<210> 8325
<211> 195
<212> DNA
<213> A.fumigatus

<400> 8325
cctgtcaaca ctattcttga tggtatccag gattactctg tacatcctta ctctgcagaa 60
atgtgtgccg tttgtatctg cctcgttcca gtgtcaagca ggaggtcagt tcataattac 120
tcgtaccccc atccccattt gcagcccggc aagatccgta ccaccaaatt gcattgcagt 180
atgacgatgg agtag 195

<210> 8326
<211> 429

<212> DNA

<213> A.fumigatus

<400> 8326

accggtttct	tccaaacacc	cttccatcct	gttatttctcg	aaatcgatgc	aacgcacacg	60
atattcggtca	tgagtcagga	gtatttcccc	ggcaaggcgc	catcgcccg	agagggatcc	120
tctcggcacc	ctcccgagga	tgtttctctcg	gagaatagcc	ctccttatcc	acgacccccg	180
cctacgtaca	tgactgtcgg	gaatgggtcg	acgtctgaga	gcgccacagc	tctcatggct	240
tcgttgaatg	cggattcggg	ctatggaggc	agtatcgcg	gtggaagtgt	gatggatggg	300
gatgaggggg	ccgggtggcg	agcggatatg	atggttgata	aaccgacgcc	ggtgcctaac	360
acctccagta	ttggtaactg	gaatccagct	ggtttcgaat	tttgttcgtg	ctgggatgat	420
aaggggtag						429

<210> 8327

<211> 225

<212> DNA

<213> A.fumigatus

<400> 8327

atcgtcgaat	gggcattcgg	gaagcgcgatg	acgccagcgg	agcgtctacg	caagcatcaa	60
agagcgctcg	atcggacgca	gcgagaacta	gacagggaac	gaatcaaact	ggaaaaccag	120
gagaagaaac	tgatacaaga	cattaaaaag	agcgccaaaa	atggccaaat	cggagcctgc	180
aagatccaag	ccaaggatct	ggttcggacg	aggaggtatg	tatag		225

<210> 8328

<211> 567

<212> DNA

<213> A.fumigatus

<400> 8328

gtacatccag	aaattttatt	agatgcggac	gcagttacag	gccatttccc	tccgtattca	60
ggtacggcag	cggttagaga	gctggcggat	cagtgcgctg	acattgacat	acagaccgtt	120
cgaagcaatg	aacagatgat	gcagtctatg	aaaggagcca	cgatgctcct	aggaagcatg	180
aatcgccaga	tgaacctccc	cgcgcttcaa	cggattgcga	tggagtgtga	gcgagagaat	240
gatatcatgg	accaacggca	agaaatgatg	gacgatgcca	tagacgaagc	tacaggtcta	300
gaaggagagg	aagaggaagg	cgaagacatc	gtgaagggaag	ttctggatga	aattgggtgc	360
gacctcagcc	aggcgggatg	tttcatccag	tggtctactt	ctcattcttg	cgctttactg	420
acatttctac	cacagctggg	tgaactccg	tccgatattc	agaagacatc	agttggcgag	480
accagagttg	cccaagcggg	tggagccggg	ggtgggactg	ccagcgatga	cgatcttcag	540
gccaggctgg	acagtcttcg	acggtaa				567

<210> 8329

<211> 576

<212> DNA

<213> A.fumigatus

<400> 8329

tcgtcgattt	ccgtcgacac	aagtgcattg	cgtagccgtc	ataccatcca	cggcagttcg	60
cgaacacact	cgtcggggcg	cattcatcga	acgaatgata	acgggatgac	tccgcgtatt	120
ctttctgagc	agttggagac	tgcacattcc	agatcatctg	ccgcacggaa	ttcaggctcc	180
cactcgaggt	ctttgtcttc	caacaagacc	gttactgcta	ttcctccgag	cctgttaccg	240
tccgcacctg	cgtcacctcc	gactccagcc	tctagcccga	cccctcacca	gagacctcca	300
acgtggcagt	cctcagatga	ggacgatgac	gcctttctcc	tgaattccag	gatacatatt	360
acttctttat	ccagcgcgaa	gaagcagagg	tttttggagg	gtgtactcgg	tctgtgcgat	420
agtcagcttc	tcagctatgt	gtcaagttat	gtcgctccac	ggttaaggaa	agatcctttt	480
caagtcttcc	caactgaact	ttgcttgagg	gtaagctttt	ccgttgacga	ccgcttgact	540

ttgcctgata gaactgacct aagcactctt cattac

576

<210> 8330

<211> 525

<212> DNA

<213> A.fumigatus

<400> 8330

gccgcggaga	acgagacttg	ggatgagtct	gaacacatgg	agaagcgctg	gaagatggcg	60
ctgaagcggg	aatatatggg	catgggtctg	gccactgttg	gaggggggtt	gatcatcggg	120
ctctccgctg	gtttgctggc	cccggtcatc	ggcgctggtc	ttgcagcggg	cttcacaacc	180
gttgggattt	ctgggactag	cgctttctta	gggggagccg	gtggcacagc	cttgatcgct	240
tctggcgcta	ccttgacagg	aagtactatc	ggcctaaggg	cttcacacag	acgcactggg	300
gcagttcaga	cttttgagta	tcgtcctctc	cacaacaaca	agaggggtcaa	cttgattggt	360
gcgatttcag	gctggatgac	tggcaaagtc	gatgatgtcc	gcttgccatt	cagtacagtt	420
gacccatta	tgggcgacat	ttattcagtc	ctatgggagc	cggagatgct	ccaaagtatg	480
gggtgccacca	tcaacattct	agcaacagag	gtaagcgtct	cctga		525

<210> 8331

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 8331

gccttgactc	aggggtctgca	acagggtttta	ggaagcactg	tccttatggc	tttaatggca	60
tccttgacgc	tacctcttgt	tctcactaag	ttgtcatact	tgatcgataa	tccttggaat	120
gtctccctag	ctcgagccaa	cgcggcaggg	ctgatttttg	cagactcggt	gatggatcat	180
aacttggggc	agagacctgt	cactctacta	ggtttctcgc	ttggggctag	agtcattttc	240
tcgtgtctga	aagagctcgc	agataagggc	gctagcggcc	tgggtccaaa	tgtctacctc	300
ttcggggctc	cactcgtggc	aaacaaggac	gaattcatca	aggcacgcag	cgttgtctct	360
ggcgcctttg	tgaacgggta	ctcttccaat	gactggattc	tgggatacct	cttcggggcc	420
acaagcggcg	gtattatgcg	tgtggctggg	attgctccgg	tagaagggat	tcctggcctg	480
gagaaccatg	atgtcactaa	cctagtcaat	ggccacatgg	actatcgtgc	cgctattcca	540
cggctactca	aggaagtccg	gtgggagggt	ctcagcgcag	agtttgctga	aatcgaagac	600
ccagaccggg	agaatcatgg	cgagcggcaa	cgagagttga	tccgcgaaat	tgatgaggct	660
cgtaaagccg	cagaagctca	acctgagaaa	aagcggtttg	gactgttcaa	gcgtggcaag	720
ttagctgaga	aaaagggatg	ggaaacatat	gacgtgaaac	gcaatgactc	gtttccgcgt	780
gaatccatga	acagcaacgg	aaccggagcc	gtccttttct	atatcgatgc	gatcagggca	840
gaactcgcct	cagagatgat	tgagggtcaag	cagctcgagt	ctacgctccc	acccatgaag	900
ctagatctca	attcaccgtc	aactcaatca	ccagctgctg	ctacaccgtc	agagcataga	960
gctcctaagg	atggacgcgc	taccccatcc	gttcctcaga	caccgatga	aaattccagg	1020
ggccactcgg	cctctcaaaa	gacgcaatct	ccaccacccc	gccaggagca	gatccatatg	1080
gctttttgata	cttctacga	taaccctccg	caacgttctc	attcttcttt	tgaaccagct	1140
tcttatgatt	tatgtccgac	gagaccagct	ttacgatcat	ctgtgacgat	gcccactagt	1200
gtcgggtgcca	gcgcgcttgg	cgctatggct	ctggagccca	atgcctgggc	tgaccacgac	1260
ttcggccacg	gcgaagaggg	tgagatctcg	atgaccttct	agtga		1305

<210> 8332

<211> 435

<212> DNA

<213> A.fumigatus

<400> 8332

actgccccag	tgcgtctgtg	tgaagccctt	aggccgatag	tacttctgt	caaggtagcg	60
ccagaagcga	tcaaggctgt	gccaccggct	ccccctaaga	aagcgctagt	cccagaaatc	120
ccaacgggtt	tgaagcccg	tgcaagacca	gcgccgatga	ccggggccag	caaaccagcg	180

gagagcccgga	tgatcaaacc	cctccaaca	gtggccagac	ccatgaccat	atatttcgcg	240
ttcagcgcca	tcttcagcg	cttctccatg	tggtcagact	catcccaagt	ctcggtctcc	300
gcggcttatt	gcattctgag	agcatcaatg	acacgcttgt	caaagcgggc	aatttgcaac	360
caggacactt	ccatagactg	cccgaccctt	tccagcaaag	atcgggatcg	ggcatcgta	420
tacaccgccc	ggttg					435

<210> 8333

<211> 726

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (317)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8333

ggaaaagcgt	cgagaatttt	tagcacgccc	agcatagggg	tcttaacgga	aacgaaagcc	60
cggccttatt	ccccgccc	caatttcggc	gacgataatt	cccgcccgcc	aagccaagca	120
ggcggctact	cgccatccgc	tgccgggtgta	cgcggcgcg	ctcctcgtgg	tattgacct	180
tttggcctct	cgcagactcc	ggttcagggc	aacaccgata	ctgctgggtg	agcgtctct	240
cagtccccct	ctcgcgctaa	cagcaattca	tctccgagct	ccggcatgaa	ccctatcttc	300
ggaaaattag	agggctntga	ccaacccccg	acctcaactt	cctccccctg	tagggcggat	360
tcgccctctt	cgagacaggc	agccgtcaaa	cccaatgctg	gcgcgattgg	ttccgtcggc	420
ccgatcggct	ctcgcccagt	tcagcagtca	ggcccttccc	agatctccaa	tcctgctctg	480
aacaagcgct	ccacgacccc	cttgccatcc	ccccttggct	ttggcttcac	gtccagtgc	540
ggagtgcgtt	ctggagcgaa	caacgaccgt	gcggcctctt	ctgcctccaa	tcctgttgcc	600
tccacccccg	ccacaaacgc	cggcgcggaag	gaatcctccg	gcgggtgtcgg	tctgggctgg	660
ggcaatggca	gcgggtgatg	gggctccaa	ggtggcctgg	gggtccaggc	ctccgtttgg	720
ggctaa						726

<210> 8334

<211> 198

<212> DNA

<213> A.fumigatus

<400> 8334

gtcctgaatg	caatgtttcg	tggcaatttc	tgttttgctt	atgtgcctgt	cttccttgta	60
ttggaacttt	ctacttactt	cattagtac	gtgattgagt	tatctgtttt	cagccacaag	120
gcgacctacg	tcctcgctgt	gtatgcacaa	gagggtgttg	atgcactcct	gggggatgaa	180
cacgttcatg	ctagatga					198

<210> 8335

<211> 894

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (553)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8335

ttcacagata	ttatcttggc	tttttgtgac	gttgagggca	attacttcat	tgtgctggca	60
tacogttata	cgacaatgct	tagcgctcag	ttgatcaact	tgtggaccat	cgccgttgct	120
gtttttatct	ccttcctctt	cgggcgcgct	cggtatcata	taacacagat	tttgggtatt	180

ttgatctgca	ttggcggcat	gggtgtcttg	attgcatcag	atcatatcac	gggctcaaac	240
ggaggcgatg	tttccagcgg	caaccaaatac	aaaggcgacc	tctttgcgtt	gttgggtgcg	300
agcttatacg	gtctcactaa	caccggagag	gaatacttcg	tcagcagccg	ccccgtgtac	360
gaagtgcctg	gtcagatggc	cttcttcggt	atgatcatca	acggcgcca	ggctggtatt	420
ttcgaccgtc	actctttcca	aatcgccgtc	tggaacagca	gagtcgggtg	ctattttacc	480
ggatacacc	tatgtcttgc	attcttttac	tgcattggcg	cgctcttatt	ccgcctctcc	540
tccggggcct	ttntcaacat	ctccttgcgt	accatgaatt	tctggggcgt	ctgcatcggc	600
atcgaggctc	tccactacaa	gatccattgg	atgtaccoga	tgcggttcgt	cctcatcatt	660
gtcggccagc	tcactactt	cctcggaag	cgagtcctcg	gcgaagcccg	caagccttgg	720
ctcggcaaga	accaggaacg	tggctttgcg	ggactcttca	ccgcaaaggc	gaagatcgac	780
tctgtccgcg	ctaagttggc	ttctaacaat	aatcataatg	ttaatgctgg	tgggtgccac	840
catgacgacc	gcactgcggc	tacgattgat	gagcgtcact	cgaatgccgt	ttga	894

<210> 8336

<211> 243

<212> DNA

<213> A.fumigatus

<400> 8336

ctaaagagat	ggatattgtt	cattgaaaag	ggcagcaaag	aatgtttcac	ctcctatgct	60
cccttcgtag	acttgattct	cgaggatcat	gaggctcttg	ccaagcatcg	ccatctggag	120
gtgtatgatg	ttgtgtctt	tgtgacggtc	tgtgccatca	gccagttatc	aaagaaatta	180
atgcctgtgg	ctcaagctaa	gcatgacata	tgctcccaga	accataagaa	taagacccca	240
tga						243

<210> 8337

<211> 222

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24), (192), (222)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8337

cccagaggca	ccatcacccc	gttntgttcc	gtcaccaaga	tcgtcactgc	tctcgccgcg	60
ctcaccttcg	tcgaccgcgg	ccagtttgac	cctaacgcca	aagtcgcccc	gtactggccc	120
gagttcgccg	cgcacggtaa	gcaggacatc	gaggtcgcgc	atgtgctcag	ccatactgcc	180
ggcctaccg	cntgggatcc	gcccctgtcc	cgcgaagaat	an		222

<210> 8338

<211> 756

<212> DNA

<213> A.fumigatus

<400> 8338

tacaacacgc	ccctggccac	gcagaaaactc	atccagcaac	aaccctggtg	gacgcccggc	60
tccgcctcgg	gataccacct	ctcgaccag	ggcttcctac	tggcgagct	cgtgcgcgcg	120
gtctcaggca	agtcgctgac	gcagttcatc	gccgacgagc	ttgcggcccc	gctcggcgca	180
gatttccagc	tcggcgctcg	ggagaaggac	tggccgcgca	cggcgatat	cgtacccccg	240
cctgcagcac	cgtttctctg	cctcgatccg	cagagtatcg	ctatgcgcgc	attccgcgga	300
acccccgcgc	acgccacggc	gagtatgacg	cctgagttcc	gccgcgcgga	gcaaggcgcg	360
tggggtggat	ttggcaacgc	gcgagcgatc	aacaagattg	cctcgatggg	gacactgggc	420
gggagtgtaa	acgggaagcg	cttctctctg	ccgcagacga	tcgatctgat	cttccaggag	480
caggtcagcg	gcgtggatct	ggtgctgggg	agctttctcc	ggtttgggat	tggcatgggc	540

ttgccgacgc	cggagaataa	ggcgttggag	tggatgccgc	aggggaaagt	gtgcttctgg	600
ggaggctggg	gtggctcaat	tgcgattatg	gatctcgatc	gtaaggtagac	ggttacttat	660
acgttgaata	agatgggagc	tgggacgctg	gggaatccac	gaactgagaa	gtatgtcagg	720
gctgtgtatg	cggcgctgga	tgcgtagaag	ccatga			756

<210> 8339

<211> 489

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (152), (320), (350)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8339

cccttttttg	aggagcactt	ggcttccggc	gaggaacttg	gtgccgacat	ttgcgtcaac	60
atcaacgggg	agaaccgttg	tcgagctctg	gggcgggcta	cgcagacaat	gcacgcacaa	120
agccctgacc	cagaggcacc	atcaccctcg	tntgttccgt	caccaagatc	gtcactgctc	180
tcgccgcgct	caccttcgtc	gaccgcggcc	agtttgacct	taacgccaaa	gtcgcccagt	240
actggcccga	gttcgccgcg	cacggtaagc	aggacatcga	ggtcgcccat	gtgctcagcc	300
atactgccgg	cctaccgcgn	tgggatccgc	ccctgtcccg	cgaagaatan	tacaacacgc	360
ccctggccac	gcagaaaactc	atccagcaac	aaccctggtg	gacgcccggc	tccgcctcgg	420
gataccacct	ctcgacccag	ggcttctctac	tgggcgagct	cgtgcgccgc	gtctcaggca	480
agtcgctga						489

<210> 8340

<211> 705

<212> DNA

<213> A.fumigatus

<400> 8340

ccacatacac	cacagcgacg	aatctgccag	cttggaacga	cttgccggaa	gggcttcaca	60
aaacctccaa	cctcccggca	ggggaacacc	cgccactgcc	gggggcaaat	atcagctcgc	120
ctttccccc	accagtctcc	aaccctttct	cagggtccgc	caccacctgg	agccccgcct	180
actcagcgcg	ccccttcagt	ccctcctcca	ccaaagggca	cggctcctcc	tccccgagtg	240
acctcgccac	ctactaacc	accaggccct	tcattccgcg	ccaaccctta	cgcttccttg	300
cctcagtcct	ctccaatggg	ctcaaccatg	ggcgcttctc	cccctccgtc	aattcctcgg	360
gggccatctc	cctacaacgc	cccaccttcg	atgccaccac	cgtcgaacag	gtatgcacct	420
agccccgcaa	ctcaagcagc	aagcccgcaa	ctctccaacta	gagcgctgtg	tcctcctcca	480
ccgcatgcag	ctgcttcacc	ctatacttca	cagccaggat	cgcacctccc	gccagcaaat	540
ccttatgctc	ctagcacgcc	accaccaagt	caattgccga	tgcagcaggg	gccgcccggc	600
caggctacat	cctcgaggcc	aagcaccgct	tcgtcgcaac	ggaaggctgc	tcccgcctct	660
cctaagtacc	gtaagtcatt	tctacttctt	gattcccatt	cgtag		705

<210> 8341

<211> 1941

<212> DNA

<213> A.fumigatus

<400> 8341

caacgcgcta	tgctgtccgt	attacttgac	acgtccccag	agcggcgcg	cgctaactgt	60
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actccgttcg	aggttgacga	gactgtcgca	aaatctacgg	agacgtttga	gaatgccctc	180
aaggagggtg	accttcggag	catctgcgaa	accagagctt	ctcaggctgc	aagtgcagag	240
gagaaggctg	actggaagg	cattgaggcc	ttgatttcag	aaaaccctcg	caagagtttg	300

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atcgagtatc tccgggttcca ggatcaagac gacgaaactg ctgataaact ggcccagctt 360
ggcctgaata aggaagaaga cgaggtgaac ggaaagtcgg ccaaggaatc ccgcgggtcg 420
ggagccaaga agcacaagcg cctgcagtcg atgtttgatg cgaaccctga agctgacaac 480
ttcctgtccg atttagctgc atcgaaggga gccaaagacca acaaccatt ccagatcttc 540
aatggctctg agaccgaagc agacaagggc attactcgag ctttgcttct gggaaacttt 600
gaaaaggcac tcgatgtggc tttgaaagag gaccgcgtgt cagacgcgtt catgattgca 660
atctgtgggg gccagaagtg catcgagaag gcgcaggagc attacttctc gaagcaaacc 720
gatggggccga actacatccg cttgcttgca tccattgttg gcaaaaacct ctgggatgtc 780
gtgcacaatg ccgacctgtc taactggagg gaagtcatgg ctgcgctttg cacatttgcc 840
gatgacaatg aatttgccga tctctgcgag gcccttggtg accgcctgga agagcagatt 900
cgaaacaccg aagacaagag cctccgcaag gacgcctctt tctgcttcct agctggatcc 960
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gccactcacg gacgactgca agttgcccg aagtacctcg accttgtccc tgagaagcac 1260
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gtgaccacat acaccacagc gacgaatctg ccagcttgga acgacttgcc ggaagggctt 1740
cacaaaaacct ccaacctccc ggcaggggaa ccccgcac tgccgggggc aaatatcagc 1800
tcgcctttcc cccaaccagt ctccaacct ttctcagggt ccgccaccac ctggagcccc 1860
gcctactcag cgcgccctt cagtcctcc tccaccaaag ggcacggctc ctctccccg 1920
agtgcctcg ccacctacta a 1941

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<210> 8342

<211> 429

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222>

(142), (143), (144), (145), (146), (149), (154), (156), (160), (164), (186), (187), (188), (189), (222), (244), (278), (285), (298), (299), (319), (320), (321), (351)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8342

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ttcccatctg tagttctgac tttgataagc tcccggcgac cgctcccaca tccccgcaga 60
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atctctcttc aaagcgcaag gnnnnnggnc ccncncgcn gccnggcccg ggggcccccg 180
ccccnnnnnc gcccggcgcg gcgcccgggg ccccgggggc cngggggagcc ccccccccc 240
cggngccccg cgggcccccg cggcccggcc ccggccgngg cccngggccg gagggcgnc 300
cgcgccgacc cagcgggggn nccggggccg gaccgcccc aaccaaggcg ncggccgagc 360
cccaaagaaa aaaaccaacc aggaacggga ggcccccaa accgcaaaga ggggaccact 420
caaaggacc 429

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<210> 8343

<211> 438

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222>

(77), (107), (108), (109), (129), (130), (143), (150), (184), (206), (239), (240), (241), (242), (264), (268), (272), (274), (279), (282), (283), (284), (285), (286)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8343

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cggcgcggnn	gcgcctccg	ccnggggcn	cggccggggc	cgggcgcgg	gggcccgcg	180
ggcnccgggg	ggggggggg	ccccnnggg	cccggggccc	cgggcgcgc	gccggggcgn	240
nnggggggcg	gggcccccg	gccnnggcg	gngnggggnc	cnnnnncctt	gcgctttgaa	300
ggaggatggc	gctcgagact	tcacgcgctg	catgtcggcg	gagaggatct	cgtaaatagg	360
catggcgctc	gcggggatgt	gggagcggtc	gccgggagct	tatcaaagtc	agaactacga	420
atgggaatca	agaagtag					438

<210> 8344

<211> 654

<212> DNA

<213> A.fumigatus

<400> 8344

ttatacaata	aaaacagcca	agcggtttgtt	gagttcacaa	cactccaagc	tgcgacagct	60
gccaaagcatc	aaattgagaa	tttgaacgtc	tcaagtcaag	ggggccgcaa	atacatgggt	120
cattatacga	accctcacac	aaatccattc	cgcacacttc	ctaaggacgc	tcctatgcgc	180
aaggacaacc	aggcgcgctc	actatcaggc	ggtttcaact	cgccgaatca	gaatatgaat	240
tttggaatga	acaacatggg	cggaggcttc	cgcggcggac	ggggagggtt	caacagccgc	300
ggcggcatga	acaacatggg	aggctttggg	ggcagaggcg	gctttcaaaa	cacaatgggc	360
ggttttcaag	gcaaccctat	ggtcggaggc	ttccagggca	atccaatggg	agggatgcag	420
aactacggct	ttaacaaccg	tagcaatatg	atgggcggcg	gcatgcgtgg	cggctcctggc	480
ggaatgcgcg	gtcgcggttg	tatggctggg	ccgaatatga	tgggaatgcc	agcgatgaat	540
cccatgggtg	gtatgggtat	gaatcctatg	gccgggtggga	tgaaccgat	gatgggtgga	600
atgggcggaa	acatgggcat	gcaaggtgcg	tccagctggg	gctcgatcac	ttag	654

<210> 8345

<211> 498

<212> DNA

<213> A.fumigatus

<400> 8345

tatcgcgatt	tatatctaaa	cacgatggcc	actgaagatg	ataacttcga	tattgacatc	60
tatggtgacg	gcggtggcta	caacaccaac	gatcaaggag	actatatcaa	acatgaggac	120
acggagctga	tcctagatgc	accagagcag	acacaaaacg	gcgccgctag	ccaggaccaa	180
aacagtacag	agcagaaagc	tcaacaggag	caggagagaca	gcaccggtag	caacggtgaa	240
cacgtaacac	aggcgcacgc	tgtccagcag	caagaagctt	ctcaagcagc	cccggcgccg	300
caacagggtg	taaagcgcaa	ggagcacgag	gatcgcccat	cggaccggga	cgctacaact	360
gctttactta	tttctgactt	gtattggtgg	actactgacg	atgacatccg	tggctggatc	420
aatgcagccg	ggtgcgaaga	tgaactcaag	gatgtaacgt	tcagtgaaca	caaagtcaat	480
ggtaaaagca	aagggtag					498

<210> 8346

<211> 462

<212> DNA

<213> A.fumigatus

<400> 8346
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 gccatttcca cccatcatcg ggttcatccc accggccata ggattcatac ccataccacc 120
 catgggattc atcgctggca ttcccatcat attcggccca gccataccac cgcgaccgcg 180
 cattccgcca ggaccgccac gcatgccgcc gcccatcata ttgctacggg tgttaaagcc 240
 gtagttctgc atccctccca ttggattgcc ctggaagcct ccgaccatag ggttgccctg 300
 aaaaccgccc atttgtgtttt gaaagccgcc tctgccccca aagcctccca tgttggttcat 360
 gccgcgcggg ctgttgaaac ctccccgtcc gccgcggaag cctccgcccc tgttggttcat 420
 tccaaaattc atattctgat tcggcgagtt gaaaccgcct ga 462

<210> 8347

<211> 765

<212> DNA

<213> A.fumigatus

<400> 8347
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 ggttgtttac tggcccagag attcaccggt cctcagattc tccgaatgca gaggaaatat 120
 cccgaggttt acaaaaagac ggccagaatc tcgcttgtgt catcgtttct tgcgtccttg 180
 ctcttggggc acattgcacc catggacatc tcggacgtct gcggcatgaa cctgtgggat 240
 atcaagaagg gtgcttacia tgagaaactc cttggacttt gtgcaggacc atttggcgta 300
 gaggaacctca agcggaagct aggtgccgtc ccggaagatg gaggtctacg ccttggaaag 360
 atcaatcgct atttcgttga gcggtatggg ttcagctcag actgtgagat ccttccttcg 420
 actggcgata acccggtctac tctccttgct ctgcccttgc ggccgtccga tgctatggtg 480
 tctctgggaa cttccactac tttcctcatg tctactccaa actacaagcc agaccccgca 540
 acgcatttct tcaaccaccc caccaccctt ggactttaca tgttcatgct ttgctacaag 600
 aacggtggcc ttgcacgaga acatgttcgt gatgcaatca atgagaaatc aggcagcggc 660
 gcgtcccagt cgtgggagag cttcgacaag atcatgcttg agacgcccc aatgggccag 720
 aagaccgaat ccggccccc atgaatgggc ctgtttttcc cctag 765

<210> 8348

<211> 510

<212> DNA

<213> A.fumigatus

<400> 8348
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 aatactaaa catccctact cgaactagca gatactacgg ttgatgacga catcaaagac 120
 tccgtgcgca atgcagcatc caagatccta gccaaactcg aagatccaca cgcgattcag 180
 atccgggacg ttcagggtat gaaatctgga caaaactacc tcatggagat tgaattagcg 240
 gtgccggggg cttggtcgct cagtcgatct cgcgagattg aggagaccgt tcgacatgcc 300
 gtcgggggccc gtgtgcgcgg ggtcaagcgg ctcaaggctc gatttgtccc ttccgaactg 360
 gagcatctgg actttacgga ggagtttatc gctccagagg tcatcagaca aagtagcccc 420
 gagccgcagg agggcgatat tgatgcggta catgaggcgc atgcgcacga ccatcaacac 480
 aagggaaatg agaaccgcaa gacccgttaa 510

<210> 8349

<211> 903

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (693)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8349

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agggataaat	tggtgagaga	cagcttccac	ctgacatttt	gccaattgac	catcagtctc	180
gccttaaacc	cttcttattg	tcttcggatc	ttcttctatt	cctatttctt	taataatacg	240
ccccattttg	tttcattctt	tttctccacc	ctaccttcgt	ctgtgttgtc	accggctttc	300
ttatccgtat	cgacgtcatc	ttatctcccc	gcgggggttag	attctcagtc	attcaactct	360
catatcatga	cttctcaggg	ccctctatac	attgggttcg	acctctccac	acagcagctg	420
aaaggcctgg	tggtcaactc	agagctgaag	gtggtgcata	tctcgaaatt	cgacttcgat	480
gccgattccc	acgggttctc	gatcaaaaag	ggcgtgctca	ccaacgaggc	ggagcatgag	540
gtcttcgcac	ccgttgcgct	gtggctgcaa	gccctggatg	gcgtgttgaa	cggtctgcgc	600
aaacaagggc	tagatttttag	ccgtgtcaag	ggaatcagcg	gcgccggaca	gcagcatggt	660
agcgtttact	ggggcgagaa	tgccgagagc	ctnctcaa	cgctggattc	aagcaagtgc	720
ctggaggaac	agctgagtgg	agcttttttcg	cacctcttta	gcccgaactg	gcaggatgct	780
agcactcaga	aggagtgtga	tgagtttgac	gctttcttgg	gaggcccgga	gcagttggct	840
gaggcgacgg	gtagcaaggc	gcacatgta	agttggtcat	gtaccgtgtc	ttctgtccaa	900
tag						903

<210> 8350

<211> 300

<212> DNA

<213> A.fumigatus

<400> 8350

gaggaaaagat	gcaagcgctt	ttgcttaacg	ggctctgctg	ttctcatttc	ccttgtgttg	60
atggctcgtgc	gcatgcgcct	catgtaccgc	atcaatatcg	ccctcctgcg	gctcggggct	120
actttgtctg	atgacctctg	gagcgataaa	ctcctccgta	aagtccagat	gctccagttc	180
ggaagggaca	aatcggacct	tgagccgctt	gaccccgcgc	acaccggccc	cgacggcatg	240
tcgaacgggtc	tcctcaatct	cgcgagatcg	actgagcgac	caagcccccg	gcaccgctaa	300

<210> 8351

<211> 561

<212> DNA

<213> A.fumigatus

<400> 8351

acactgacat	ctctgcagtg	gtacgaccca	gatgcggtaa	cgactagaaa	tggggctcctg	60
gagattcgtt	tcgattcgtt	cccaatcac	gagctgaaat	accgatcagg	gatggtacaa	120
agctggaaca	agctgtgctt	ctccgggggt	cgctggagg	caagcatatc	cctgccgggt	180
gccggtgatg	tgtctggatt	ttggcccggg	ttctgggcga	tggggaatct	ggcgcggcct	240
ggatacgctg	cgaccacaga	aggaatgtgg	ccgtacagtt	atcatgataa	atgtgatgcg	300
ggcatcacac	caaaccagag	ttctactgat	ggcatcagtt	acctccctgg	gatgcgcttg	360
cctgcctgca	cctgcgcagg	cgaggaccac	ccaagtcccg	gcaaactctag	aagtgcgcca	420
gagatcgatg	tgattgaggc	aagcgtgact	gctctgaata	acaacccaaa	tgagttatt	480
ggctctgtct	ctcagagttt	gcagatggcg	ccgtttgaca	tatggtacat	gcctgattac	540
ggtaagtgtt	actcactctg	a				561

<210> 8352

<211> 225

<212> DNA

<213> A.fumigatus

<400> 8352

ccacaatggc	ttcctagaac	ggcgggtgaaa	ggcatgcgag	ataaatctgg	gcctaagtgt	60
aatccgagcg	atcctctctg	tctggaagta	cggaacgcc	cgttgctctc	gaacatacga	120
agaggcctga	tcgatccgga	cacgccggat	tccgccaaaa	ccaagaaagc	cgcagatggg	180

aaggagtgga tacttgtagt aagccgaggg cccttttttt tgtga

225

<210> 8353

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8353

ctttttgtca	cctctctaga	cggaaaactg	acatctatga	ttcagttttc	ggacgaattc	60
aatactgaag	gtcggacgtt	ttatgaagga	gatgacccgt	tttatcaggc	ggttgatctc	120
tggtatggcg	tgacacagga	cttggaggtc	agccatgaga	catgtattgc	gaactggagt	180
aaacactga						189

<210> 8354

<211> 396

<212> DNA

<213> A.fumigatus

<400> 8354

cgaattaca	ttcgaaatct	gctaactgac	ttcaggggca	ctaccttcct	gatcggggccc	60
tttctaggcc	ctgcactggc	cggatatatc	ggtgctggca	gcaattggaa	ggcctcgttt	120
ggcgttctga	cggccttcta	cgcgctgtcg	acaatactga	tctttctctt	cggatacgag	180
acttactatg	ctagaggaca	tcaatgtcag	cgtaattcgc	gcctgcagtc	aatgtttgga	240
atcaaaaaatc	acagcctacc	tgctggggcg	actctggccc	actggaccaa	gatccttgcc	300
atatacatct	tcaagttccc	gctcctcctg	actggaattg	caacaatggg	caacttttgc	360
tggccgatcg	gtgggtgggc	tgatcctgca	acatga			396

<210> 8355

<211> 429

<212> DNA

<213> A.fumigatus

<400> 8355

aatacgtat	gtgcccttaa	tcagcttcta	cgacaggagg	aaaacactgc	ctctgagcag	60
acaatgacct	tgcaagtccc	tctgctcggg	aggctgcaca	tccgtcgcaa	cgtgaagcct	120
ccacagtcga	ctgcgatcaa	cgcgaaagca	tcattccacat	tagctccctc	ttctcatgct	180
ctgagtcaag	gcaatgtatc	tgcttctttc	ctacagggcc	cggctggctg	tcaactgccc	240
accgtaatgg	acggcgcgac	tggtgtccaa	aatggatggg	gatggaacga	cttctcctgg	300
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caggccgctt	tgtggtataa	tacatcta	aattcacttt	ccacgtggaa	tacgttcaat	420
atattgtga						429

<210> 8356

<211> 609

<212> DNA

<213> A.fumigatus

<400> 8356

aggccggctt	cttatacaag	agacacttgt	tctccccccc	cgcggagttc	aaccactggg	60
cgcacgcgcg	gcaccgcagg	tggggaatcg	aacttcgac	ccatccgcgg	gttcttcaac	120
gaggacggct	tctttgcaga	acgcatgggc	tggcacctcc	cgggcttcga	cgatagcgcc	180
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aatgggtacc	agtatggtcg	gtacaatccg	cacatcgggg	accaggctcg	gtttcctgtt	420
ccaccaggta	ttctggacta	ccagggcgat	aacacgatcg	ggttggcggt	ttgggcgcag	480

acggaagagg gtgctggcat ccaggtggac tggaaagtga attacgtggc ggatagctcg 540
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 ttgcctag 609

<210> 8357

<211> 216

<212> DNA

<213> A.fumigatus

<400> 8357

cccggttgcc ttacttttct gagtgcctgg tacactcgca aagagctggg cttccgcact 60
 gctgccctct actctgggtc tctgatctcc ggtgctttct ctggtctcat tgetgctggt 120
 atcaccgatg gtatggagaa tgtaagggt ctccgagcct ggtatgggtc tctatttctt 180
 ttgcaccat cgagcgtagt tgcgcagtct tgctga 216

<210> 8358

<211> 303

<212> DNA

<213> A.fumigatus

<400> 8358

ttgcgcagtc ttgctgactt ctctaggcgg ttgctcttca tcattgaggg agccattact 60
 atagtgggtg cgttcattgc catgtggatc ctgcccaact tccctcgta cactacatgg 120
 ctttcggaag aggaaaagca actcgtaca tggcgtctcg aggaagacat cggcgaagac 180
 gactgggttg attccgaaca acagtcactc cttcatggcg caaaactcgc ctttaccgac 240
 ctgaaaacct ggatacttgt gagtgcgtat tctttacctc taactcgcaa cggcactgac 300
 tga 303

<210> 8359

<211> 423

<212> DNA

<213> A.fumigatus

<400> 8359

tgcagagtaa gtgtcatcaa tagactgagc ctgtgccata aactgaccgt tgtagttcca 60
 tccaacttga tgttgaacaa gttcggaaag cccgccatct atctccctg tgcaatgatt 120
 ctttggggtg tcatctctac ggccacagct ggtgcgcaga actttgctgg actggttatg 180
 actcggttct tccttgggtt cattgaggcc gcttatttctg tacgtctctc taacaacgat 240
 taccatggcc gtgattcctt tgctgactgt attgtagccc ggttgccctt actttctgag 300
 tgcttggtag actcgcgaag agctgggctt ccgcactgct gccctctact ctggttctct 360
 gatctccggg gctttctctg gtctcattgc tgctgggtat accgatggta tggagaatgt 420
 taa 423

<210> 8360

<211> 477

<212> DNA

<213> A.fumigatus

<400> 8360

atgttacaca tcttgtgtat cgtttcctcc gcctccgtga ctaacttctt cccaactggt 60
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 ctggcggtca tcagcgctt cttcaatgcc tggcactcgg accgtacagg cgagaaatac 180
 ttccatatca cagctcctct gtacatctcg gtggccgcat tcatcatcgc cgcgaccacc 240
 accggtgtgg ctccccgcta cctctccatg atgctgatgg tccctccct gtacgctggt 300
 tacgttgtgg ccctaggctg gatctcgagc acccttcttc gtctgcatc caagcgtgcc 360
 gccgcactgg ctgccatcaa catgggtcagc aatgccagca gtatctacgc cagttatatg 420

taccctgacc atgatgcgcc tcgcttcagt acgtcccaat acttctctat catttga

477

<210> 8361

<211> 195

<212> DNA

<213> A.fumigatus

<400> 8361

tcattgcttt	ctgaccgctt	tatagtcacc	gccatgagtg	tcaactgcgt	tactgcattc	60
attgctattc	tctctgccac	tcttctccga	atcatccttg	tccggctgaa	caagaagctt	120
gaccggggtg	aggccctcaa	tgatggcagt	gttcttgac	aggccagttc	cagagggttc	180
cgcttcttgg	tttag					195

<210> 8362

<211> 783

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (743)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8362

tttctttatt	gttcgctctt	ccctttcatt	cttctttcaa	ccatcgctct	tgattctttt	60
caaattctga	gggacgacac	gcggaatatt	ttaattcctc	atagtccttct	ttctggtatt	120
tcttctgcc	atgaccaggc	agtcattcca	gagggttggtg	tgagtcgtgc	agcgatggcg	180
atgcaaccat	cctatccagc	tcttttcggg	gcggcggtca	tctcatctag	tgcgggccag	240
gaagtgtcaa	gtacaatccg	gcggcaattc	actgatgctg	acgcggatcg	tatcgtggag	300
acccactag	gagagaaggc	agacagttca	gacacggcag	ggcctgattc	cgaggacggt	360
attgatcagg	aaggcatga	caagattaca	gctcttgccg	ggagtctctc	gcagatatct	420
cagaagagt	caggccaac	caacacgttt	ctcgaccctt	ccagcgacct	ggagctagac	480
cccaactccg	acaaattcag	ttcgcgcaaa	tggatgaaga	atttggtgca	cattaagacg	540
cgcgatccag	accgttatcc	ccgtcgtacc	gcaggcgtct	cctttcgcaa	cctgaatgcc	600
tatggttacg	gaacggcagc	cgactaccag	gccgatgtag	ccaacatgtg	gctcaaaggg	660
ttcgggtggc	ttcgaagtat	tcttgggtgt	aggaataggg	tccgcattga	catcttgccg	720
aattttgagg	gatttgtccg	tancggcgaa	atgcttggtg	tacttggccg	gccaggcagg	780
taa						783

<210> 8363

<211> 1470

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (117)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8363

ctgtgtcgcg	cacatagtgg	atgttcaacc	ttctcaaga	cgattgcggg	agaaactcat	60
ggtttgtggc	tggacaaagg	aactcacatt	caatacgaag	gtatctcatg	ggatganatg	120
cacagtgcgt	tccgcggcga	ggatcatctac	caggcagaaa	ccgaaattca	tttcccacag	180
ctcactgcag	gcgagactct	gcttttcgcc	gccaggctc	gaaccccagc	aaaccgtttc	240
cctggtgtct	ctcgcgaaca	atatgcaact	catatgaggg	acgtcgtcat	gaccatgctg	300
ggtctaagcc	acacggtgaa	tacacggata	gggaatgagt	acattcgagg	cgtctctgga	360


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ggcgagcgaa agcgggtcag tattgccgag actatcctgt gtggctgccc cctgcaatgc 420
tgggataaca gcacccgagg tcttgatagc tctacggctc tggaattcgt caagaacctt 480
cgccgtgtcca cggattatac tgggtcaaca gctatagtag ccatctatca agctagtcag 540
gccatttacg acatatttga caagggtcatt gtgctctatg aaggccgcca gatatacttt 600
ggcaaagcca gcgatgcgaa gcgcttcttc attgacatgg ggtttgactg cccagacagg 660
caaaccaccg gtgacttctt gacatctctg acgagtcctt ccgaaagatt ggtccggaaa 720
gggtacgaag ccctcgtccc gcgcacaccg gacgagtcgt cggctcgatg gagggaaagc 780
gccgagcggc aacgggtcct ggctgacatt gaagcatttg aaaacgagtc tccgttgggt 840
ggcagcaaat acaaggagt cactgtctct cgcgcagcgg aaaaagccaa aggtaccagg 900
gcgcgcgtcgc cctacactct gtcgtaccgg atgcaaattc gtctctgtct ccgccgaggc 960
tttctccgtc tcaaaggcga catgagcatg accctggcaa ccgtcattgg caatagcatc 1020
atggcggttca tcgtctccag cgtattctac aacctggacc aaacgaccaa cagtttcttc 1080
tcccgcggtg cactgctctt ctctcgcaatt ttactgaatg cctttgcgag ctcgcttgag 1140
atthttgacac tgtggcagca acggccgatt gttagagaagc acgacaaata cgcgctctat 1200
catccttcag cagaagccat cagttctatg attgtcgact taccttccaa atthctgggt 1260
tccgtcgtgt tcaaccttat cctctacttc atgaccaatc tgcgtcgatc cccgggacat 1320
ttctttgtct tctacttggt ctctgtaaca atcaccctga ccatgtccaa tatttttcgc 1380
tggatcgagg caatctcccg ctcgatggca caggccatgg tgccctctc gattttgtct 1440
tcagcgcaca tgcaatcaac ctcatggcca 1470

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<210> 8364

<211> 414

<212> DNA

<213> A.fumigatus

<400> 8364

```

atcaatgccc tectggacca gctcccacag aggactcagc tctcggagga aatggacacg 60
gtcttgaaca gecttgagga cgtagtcaat ctcgctatct gttgtgaacc gtccaatgcc 120
aaaacgaatg ctgctgtgag cgctctcgtc gctgctgccc aatgctcgaa ggacgtagct 180
gggttccagc gaggcagagg tacaggcact accagacgac aatgcaatgt ccttcagagc 240
catcagaaga gactcgccct caatataagc gaacgagacg ttgacgcac cagggtaatg 300
gcgctcagca tccccattga gcgtgggtgtg ttccatcgcc agaagtccat ccagcagacg 360
cttcgacagc cgtccaacgt gcttccctatc atactgctcg atgtgttagt ataa 414

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<210> 8365

<211> 489

<212> DNA

<213> A.fumigatus

<400> 8365

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agccgtgtcg ggtcgaatgg ccgcctcgag atcctccatc cggatcaatc gtttattttg 60
aacgggcaaa tatgtgactt cgaatccctc atcttgaaga tgccggcagc tgtccaagac 120
acacttgtgc tcagtctgcg atgtgataat gtgcttcttc ttgccggaac gaccaaagaa 180
tctggccaca cccttgatgc tcatgttggt actttcgggtg gcgccactcg taaagatgat 240
ttccttttga tccgccccaa tcaatttcgc aatatattct ctggcttggt cgacagcctt 300
ctccgactcc caaccatag cgtgagtcct ggaatgcggg tttccgtaga tacgggtgag 360
atagggaagc atagcatcga gaacacgagg atcaaccggc gtagtggcct gcataatcaa 420
ataaataggc cgtgttccct gatccataac agttgcttgt ttcaaaatac ccgcagaggg 480
actcattga

```

<210> 8366

<211> 360

<212> DNA

<213> A.fumigatus

<400> 8366

tcagcatcat	ggctgtcaac	aatgagattg	gtgttattca	acccttgga	agagatcgga	60
aagctctgcc	gtgcgaagaa	ggttttcttc	cacactgatg	ctgctcagga	agttggcaag	120
atcccccttg	atgtcaacaa	gctgaacatc	gatttgatgt	ctatctccag	ccacaagatt	180
tatgggcccc	agggtattgg	tgcttgctat	gttcgacgca	gacccagggg	tcgccttgag	240
cccacatctc	ccggtgggtg	acaggaacga	ggattgcgca	gtggcacgct	cgctcctcac	300
ctggttggtg	gtttcggtga	ggcttgccgc	atcgccagtc	aggacatgga	ggtaagttaa	360

<210> 8367

<211> 882

<212> DNA

<213> A.fumigatus

<400> 8367

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ctttcgtcga	cccagcatgg	ctccctggcg	accgcgtcct	tccccagacg	ggcgctcgcc	120
acatccagtg	gtgcccgttc	gagacggaca	tatgttaccg	aaaccaaagc	tggaacgct	180
caggtttcga	tcgacacagc	catcaaacag	gagcagaaga	acttcatcaa	gcagacaggt	240
cttgagcctg	gaaagggttg	acttccctgcc	tctggcatct	ccggagatgc	ttcaatgagt	300
ccctctgcgg	gtattttgaa	acaagcaact	gttatggatc	agggaacacg	gcctatttat	360
ttggatatgc	aggccactac	gccggttgat	cctcgtgttc	tcgatgctat	gcttccctat	420
ctcaccggta	tctacggaaa	cccgcattcc	aggactcacg	catatggttg	ggagtcggag	480
aaggctgtcg	aacaagccag	agaatatatt	gcgaaattga	ttggggcgga	tccaaaggaa	540
atcatcttta	cgagtggcgc	caccgaaagt	aacaacatga	gcatcaaggg	tgtggccaga	600
ttctttgggtc	gttccggcaa	gaagaagcac	attatcacat	cgcagactga	gcacaagtgt	660
gtcttggaca	gctgccggca	tcttcaagat	gagggattcg	aagtcacata	tttgcccgtt	720
caaaataaac	gattgatccg	gatggaggat	ctcgaggcgg	ccattcgacc	cgacacggct	780
ctagtcagca	tcattggctgt	caacaatgag	attggtgtta	ttcaaccctt	gggaagagat	840
cggaaagctc	tgccgtgcga	agaaggtttt	cttccacact	ga		882

<210> 8368

<211> 435

<212> DNA

<213> A.fumigatus

<400> 8368

cacatcgagc	agtatgatag	gaagcacggt	gagcggctgt	cgaagcgtct	gctggatgga	60
cttctggcga	tggaacacac	cacgtcfaat	ggggatgctg	agcgccatta	ccctggatgc	120
gtcaacgtct	cgttcgctta	tattgagggc	gagtctcttc	tgatggctct	gaaggacatt	180
gcattgtcgt	ctggtagtgc	ctgtacctct	gcctcgtctg	aaccagcta	cgctcttcga	240
gcattgggca	gcagcgacga	gagcgtcac	agcagcttc	gttttggcat	tggaagggtc	300
acaacagata	gcgagattga	ctacgtcctc	aaggctgttc	aagaccgtgt	ccatttcctc	360
cgagagctga	gtcctctgtg	ggagctggtc	caggagggca	ttgatctaaa	caccatccaa	420
tggagtcagc	attag					435

<210> 8369

<211> 945

<212> DNA

<213> A.fumigatus

<400> 8369

ctgcctgcgc	ggatggggcc	gtcccttggt	gaaaacaccg	tggtctgata	tattctgcgc	60
aagcagcagt	cgttcagtca	accaaattcct	caatcgtccc	cgcacacgta	ttcttcttca	120
gcttccccct	ctgacttcta	tcggcaagat	cctcattatg	ggcaagatac	accgttctcc	180
gaaatggaca	tccctatcac	ggccatccac	ctggggccag	tcgaacgcaa	ctgctcacag	240
tcggtcccac	cgaatatgcg	ttttgggcat	cacatggggg	atccaattcc	tcggccggca	300
tccacaaagg	ttgaaatca	tcgtagacgg	ccttctcata	acaacaaccc	tgcgctctgt	360

cctctggacg	aactcgaggc	tctcggaccc	attgatactc	ccgaagatct	cgatcggacg	420
ccccgagctg	ctcactgcaa	gacccccctt	agccccgatg	gtccccacgc	caatgatatt	480
attcacagtg	gctggatgaa	gaagcgaaaa	acgaccgctc	tgctgcgtca	tgaatgggag	540
gaccaccact	tcaccctacg	gggtactcag	cttgccatgt	acccggatga	agacgcttct	600
cgacgcgact	cgaaggccct	tgaatacatc	gatgtggatg	actatgccgt	tgcttgcctca	660
tctctggctt	ccagttccaa	gttaaccgcc	gctttcaaga	agactgttct	gaagcgcagg	720
gacaacactc	aaggcgaagc	tcgctttgct	ttctgcttga	tccccctacc	aaacgccggg	780
agcgaccgca	agagcttctt	caatcaggct	gctaagacgc	accgttttgc	tgtcaagacc	840
cggaagagc	gcattgactg	gatgagagag	ctgatgcttg	ccaaggcact	ccggcgaggc	900
cgagagagcg	gggccactct	aaatctaaac	ggcaaccctc	tctaa		945

<210> 8370

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8370

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ccgaaccccc	tgccgagact	ggttattctg	atggccttgg	ctgaagggga	cgctcgactat	120
aagggtctctg	ctctttgtga	aagacttagt	tctagctgtg	atgatgctta	ttacaagggt	180
gttcccagca	acacctatat	tacttaccct	gagtatgtct	atgctttaat	gagaatggat	240
gatttgactt	ttgactaa					258

<210> 8371

<211> 210

<212> DNA

<213> A.fumigatus

<400> 8371

tctaaggact	atatcacccc	actccaagta	gtgactagta	ggaacagcag	agacgaatcc	60
cagaatgtgt	caattactta	tagttgtagt	gttaaccggg	cccataactc	cataaatagt	120
aatagcaata	agaagaagaa	gaagaagaag	aagaagaaga	agaagaagaa	gaagaagaag	180
aaggagaaga	aaaagaagaa	aaagaattaa				210

<210> 8372

<211> 471

<212> DNA

<213> A.fumigatus

<400> 8372

ccacgtcgtg	ggtctcctgg	ccggcgcgag	cctgctgcag	gccgcgcggg	agcattgggtc	60
cggaacactg	atctgcctct	tccagccggc	ggaggagcat	gtccgcgggg	cgcgggcgat	120
gatcgaggac	gggctgtacg	acaaagtgcc	ccagccggat	gtggtgctgg	cgcagcatct	180
ggtgcggatg	aaggcgggga	cggtgagtg	gcgggcgggg	cggttgctga	cggcggcgga	240
tgcgatcgat	gtgcgcgtgt	atgggcgtgg	gggccacggc	tcggcgccgc	agtctctgat	300
cgatccgatt	gtgattgggg	cggccattgt	gacgaggtcg	cagagtattg	tgagtcggga	360
ggtgacgccg	ggcgagttgg	cggtgggtcac	ctgcggcagt	atccatgccg	gccacaaggc	420
gaatatcatt	ccggatcagt	tggatttgaa	gctcagcgtg	cggacgtatg	a	471

<210> 8373

<211> 1254

<212> DNA

<213> A.fumigatus

<400> 8373

gtccccacca	gctcaacgg	cctcattgaa	agataccggc	cagacttaac	ccccttcgaa	60
------------	-----------	------------	------------	------------	------------	----

gaaacctacc	gacaaatcca	ccgctccccc	gaactctccg	gccacgaaga	gcaaacctcc	120
accattgccg	cctcccacct	gcaaggcctc	ggtttcgacg	tccacacaca	catcggcggg	180
tatggcctcg	caggggttct	acgcaacggg	cccggcccca	ccgtttctct	ccgcgcagac	240
atggacgccc	tccccgtgga	agagaaaacc	ggcctgccct	acgcaagcac	caaaaccgcc	300
accggcccg	acggcgagac	cgtccctgtg	atgcacgcct	gcgggcacga	tagccacgtc	360
gtgggtctcc	tggccggcgc	gagcctgctg	caggccgcgc	gggagcattg	gtccggaaca	420
ctgatctgcc	tcttccagcc	ggcggaggag	catgtccgcg	gggcgcgggc	gatgatcgag	480
gacgggctgt	acgacaaagt	gccccagccg	gatgtggtgc	tggcgcagca	tctggtgcgg	540
atgaaggcgg	ggacggtgag	tgtgcgggcg	gggcggttgc	tgacggcggc	ggatgcgac	600
gatgtgcgcg	tgtatgggcg	tgggggccac	ggctcggcgc	cgcagtcctg	catcgatccg	660
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attccggatc	agttggattt	gaagctcagc	gtgcggacgt	atgatgccga	cactcgcgcg	840
agagtcacgc	cgggcattaa	gcgcacgtc	gaggcggaat	gtgcggcggc	gggtgccgtg	900
gagacgccgt	cggttgacat	tgtgtcttcc	accccggcga	ccatcaacga	cgaggcgacg	960
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cctatcgcag	cgagcgagga	tttctccctg	ctcgcgacgg	ccgtcggggc	gccctacgtg	1080
atgtggacgt	atggcggcgt	cgacgacaag	acatgggcgg	acgccgtggc	cagggggacg	1140
gtgaacgagc	tgccgagtaa	ccattcgcgc	ttctttgcgc	cgtgtatcca	gccgactctg	1200
cggacagccg	tggatgcgat	gagcctgggg	gcgctgacct	ttctccggca	atag	1254

<210> 8374

<211> 309

<212> DNA

<213> A.fumigatus

<400> 8374

ggccttgacg	cagctgggtgg	gatcccatgc	gtccttgacc	gcccgggagg	ggcgggccct	60
gtcggagcag	aaggccgccc	tcgagctcct	ggagggtatg	tacatgcgga	cgctgtacgt	120
ggtgcacttt	tccgacgagg	cgcgcgagtc	gccgcgggat	gtgcaggcgg	atctggaaga	180
cgcgcgctc	atggcgtggg	cggagtttct	gcccgcagga	ttcttagata	ctctggctgg	240
cggcggagtg	ggtgcgacgc	tgtcgtatgt	cattctggcg	tactttcatc	ttctcttctc	300
gctgtttga						309

<210> 8375

<211> 510

<212> DNA

<213> A.fumigatus

<400> 8375

tccggaatga	tattcgccctt	gtggccggca	tggatactgc	cgcaggtgac	caccgccaac	60
tgcgccggcg	tcacctcccc	actcacaata	ctctgcagcc	tcgtcacaat	ggccgccccca	120
atcacaaatc	gatcgatgca	ggactgcggc	gccgagccgt	ggccccacag	cccatacacg	180
cgcacatcga	tcgcatccgc	cgccgtcagc	aaccgccccg	cccgcacact	caccgtcccc	240
gccttcatcc	gcaccagatg	ctgcgccagc	accacatccg	gctggggcac	tttgtcgtac	300
agcccgctct	cgatcatcgc	ccgcgccccg	cggacatgct	cctccgcggg	ctggaagagg	360
cagatcagtg	ttccggacca	atgctccgcg	gcggcctgca	gcaggctcgc	gccggccagg	420
agaccacga	cgtggctatc	gtgcccgcag	gcgtgcatca	cagggacggt	ctcgcgcgtcc	480
gggcgggtgg	cggttttggt	gcttgcgtag				510

<210> 8376

<211> 612

<212> DNA

<213> A.fumigatus

<400> 8376

gtgcgcgatgg	gcccgcctg	agccatgacg	cagtacggct	acgcgaacga	cgactggcga	60
atgtgtccgc	gggacgcgct	ttgctcogtg	gcgtccatgc	gtcgcgggtg	ctcaccgcgc	120
ctggttgcgt	tctgccgcgg	cgcggatgag	gccttgacgc	agctggtggg	atcccatgcg	180
tccttgaccg	cccgggaggg	gcgggccctg	tccgagcaga	aggccgccct	cgagctcctg	240
gagggatgt	acatgcggac	gctgtacgtg	gtgcactttt	cggacgaggg	gcgcgagtcg	300
ccgcgggatg	tgcaggcggg	tctggaagac	gcggcgctca	tggcgtgggc	ggagtttctg	360
cccgcgggat	tcttagatac	tctggctggc	ggcggagtg	gtgcgacgct	gtcgtatgtc	420
attctggcgt	actttcatct	tctcttctcg	ctgtttgagt	cggtttggtg	tgttcagggc	480
gggtttgacg	gggagattgt	gcagatccaa	gcgttggtgg	agatgtcggg	cgagggcgag	540
ttgatgtcgc	tgatgcagtg	gccggtggct	gttatcgctg	tcaatcatga	tcatcgcggt	600
tcatccgtat	aa					612

<210> 8377

<211> 861

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (551)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8377

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cacagccaac	tgctgatcaa	agtcattctca	gcctccatca	accgcggcca	ctacaaagtc	180
cccgaatg	ccatcgctcc	gcggtttttt	gtgtcctatc	ccgccacccc	gggaatggac	240
ttttgcggac	aggctcgctc	cgccggcccc	ggcgccaccg	ccttccaacc	gggccaactg	300
gtctacggca	cgacggcggc	gcctgcgcag	ttcggtctgc	tgggcgagta	cctgctctgc	360
aagacggagc	acgtcgctct	cctgcgggac	ggggtcgcac	ccgaccacgc	ggccaccgtc	420
ggggtcggcg	cgcaaaccgg	gtaccagtct	atcgcgccgt	acgtctcggc	gggggatcgg	480
gtgttcattc	acgggggttc	gggcggggtg	gggatcttcg	cgatccagat	tgccaaggcg	540
ctgggggtgta	ncgtcacgac	gacgtgttgg	aggcgcaatg	tgccgttctg	caaggagctg	600
ggggccgagg	aggctcatcg	ctacacccag	gacgatgtgc	tggcggtact	ccgcgccccg	660
gggccccgtg	tatgcgcacg	ccgtcgacca	tattgggctg	cccgagggcg	tgtactcgca	720
gtcgcattatg	ttcttgcttc	cggggaaggc	gtttgtgcag	gttggtgcgc	tgtcgatgct	780
gacgtttgtg	cggcggggtg	tgtggccggg	gtttttgggc	ggtgggcgga	ggaagtatgt	840
gatctttatg	atgaagagta	a				861

<210> 8378

<211> 717

<212> DNA

<213> A.fumigatus

<400> 8378

ccaccgcca	ctcgccccg	gtcacctccc	gactcacaat	actctgcagc	ctcgtcacaa	60
tggccgcccc	aatcacaatc	ggatcgatgc	aggactgcgg	cgcgcgagcc	tggccccccac	120
gccatacac	gcgcacatcg	atcgcatccg	ccgcgcgtcag	caaccgcccc	gcccgcacac	180
tcaccgtccc	cgccttcac	cgcaccagat	gctgcgccag	caccacatcc	ggctggggca	240
ctttgtcgta	cagcccgctc	tcgatcatcg	cccgcgcccc	gcggacatgc	tcctccgccc	300
gctggaagag	gcagatcagt	gttccggacc	aatgctcccc	cgcggcctgc	agcaggctcg	360
cgcgcggccg	gagaccacg	acgtggctat	cgtgccccga	ggcgtgcac	acagggagcg	420
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ccacggggag	ggcgctccatg	tctgcgcgga	ggagaacggg	ggggccgggg	ccgttgcgta	540
gaaccctgc	gaggccatac	ccgcgatgt	gtgtgtggac	gtcgaaaccg	aggccttgca	600
ggtgggaggc	ggcaatgggtg	gaggtttgc	cttcgtggcc	ggagagtctg	ggggagcggt	660

ggattttgtcgt gtaggttttct tcgaagggggg ttaagtctgg ccggtatctt tcaatga

717

<210> 8379

<211> 891

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (415)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8379

tcaaagtc	at	ctcagcctcc	atcaaccg	ccgactacaa	agtccccgaa	atgccc	atcg	60
tc	ccccgc	ggtt	ttttgtgtcc	tatcccccca	ccccgggaat	ggacttttgc	ggacaggtcg	120
tc	gccgcgcg	cccccggcgcc	accgccttcc	aaccggggcca	actgggtctac	ggcacgacgg		180
cg	ggcgcc	ctgc	tcgctggg	cg	agtacctgct	ctgcaagacg	gagcacgtcg	240
ct	ctcctgcc	ggaacggggtc	gcacccgacc	acgcggccac	cgtcgggggtc	gccgcgcaaa		300
cg	gcgtacca	gtctatcg	ccgtacgtct	cggcggggga	tcgggtgttc	atcaacgggg		360
gt	tcgggcg	gtgcgggac	ttcgcgac	cc	agattgccaa	ggcgctgggg	tgtancgtca	420
cg	acgacgtg	ttggaggcgc	aatgtgccgt	tctgcaagga	gctggggggcc	gaggaggtca		480
tc	gactacac	ccaggacgat	gtgctggcg	tactccgcgc	ccccggggccc	ggtgtatg	cg	540
ca	gcgcgtcg	accatattgg	gctgcccag	gcgctgtact	cgcagtcgca	tatgttctt	g	600
ct	tc	ccggggga	aggcggtt	gg	gcgctgtcga	tgctgacgtt	tgtgcggcg	660
gt	gggtgtgg	cgggggtttt	gggcgggtgg	cggaggaagt	atgtgatctt	tatgatgaag		720
ag	taatcagc	gggatatcgc	gacgctgggg	gagtgatgc	agcaggggaa	gctgcgcgtg		780
gag	gtcgaca	gcacgtatga	gttgaggat	gcggtcaagg	cgtttgcgaa	gttgcgttcg		840
ggg	aggggccc	gagggaagat	tatcattcat	gtttctactg	agtccagctg	a		891

<210> 8380

<211> 1122

<212> DNA

<213> A.fumigatus

<400> 8380

gtccaagtag	tctatgctag	tctagtgcc	aaagtaaata	cattcattta	ctggagttgc		60
cgagtgtat	tgccggagaa	aggtcagcg	ccccaggctc	atcgcatcca	cggctgtccg		120
cagagtccgc	tggatacacg	gcgcaaagaa	cggcgaatgg	ttactcggca	gctcgttcac		180
cgtccccctg	gccacggcgt	ccgcccattg	cttgcgtcg	acgcgcgc	acgtccacat		240
cacgtagggc	gccccgacgg	ccgtcgcgag	cagggagaaa	tcctcgtcg	ctgcgatagg		300
ctccgagtcc	accaggttct	cgccgaagta	ggcgccaaag	gtctcctgga	gcgcacgcac		360
cgtcgcctcg	tcgttgatgg	tcgcccgggt	ggaagacaca	atgtcaaccg	acggcgtctc		420
cacggcacc	gccgcgcac	attccgcctc	gacgatgcgc	ttaatgccc	cgatgactct		480
cgcgcgagt	tcggcatcat	acgtccgcac	gctgagcttc	aaatccaact	gatccggaat		540
gatattcgcc	ttgtggccgg	catggatact	gccgcagggt	accaccgcca	actcgcccgg		600
cgtcacctcc	cgactcacia	tactctgcag	cctcgtcaca	atggccgccc	caatcacaat		660
cggatcgatg	caggactgcg	gcgccgagcc	gtggccccca	cgcccatata	cgcgcacatc		720
gatcgcatcc	gccgcgctca	gcaaccgccc	cgcccgacac	ctcaccgtcc	ccgccttcat		780
ccgcaccaga	tgtcgcgcca	gcaccacatc	cggctggggc	actttgtcgt	acagcccgtc		840
ctcgatcacc	gcccgcgccc	cgcggacatg	ctcctccg	ggctggaaga	ggcagatcag		900
tgttcgggac	caatgctccc	gcgcggcctg	cagcaggtc	gcgcgggcca	ggagaccac		960
gacgtggcta	tcgtgcccgc	aggcgtgc	cacagggacg	gtctcgcctg	ccgggcccgt		1020
ggcgggtttt	gtgcttgctg	agggcaggcc	ggttttctct	tcacggggga	gggcgtccat		1080
gtctgcgcg	aggagaacgg	tggggccggg	cccgttgcgt	ag			1122

<210> 8381

<211> 207
 <212> DNA
 <213> A.fumigatus

<400> 8381
 ctcatagggtg ctttcaaatt cgacctcagc actgtttcca ccatcatccc cagaaggacc 60
 accaatgact gtggtgtcac cccacacctt cttgcggaaa cccacacctg gaggatgggtg 120
 gaagatagga ggcgggtgga taatagtatt cttgacatca acagaatgat catctttata 180
 ccaatccttc acgctggagg catatga 207

<210> 8382
 <211> 1170
 <212> DNA
 <213> A.fumigatus

<400> 8382
 cgagatatca tgaagggttt ggtcggagga atccctcttg cctgctggt cgccgcgctc 60
 gccaacggcc atggccaggg gttaaaggag gacggccctg ttacagtgat cgggtggcccc 120
 agtggtgacg acggtgggaa caatgttgct gtcgagttcg ccgggagcta caattccggt 180
 gtgaaggaca ggtacaaaga cgaccactca gttaatctga agaaccaccgt ggtcgcgcac 240
 gccccacctc atccgccagt gcgtgggtcc cataagcgac atcatcccg cgtgaccgtt 300
 atcggagggtc cgtcgggaga cgacgggtgt aacagtgcgg aaatcgagtt tgatagttca 360
 tatgcctccg ccgtggagga ctggtacaag gacgatcatt cccacgatgt cgagaatcac 420
 atcattactc ctccagtcca cggctttcgc aggcgtgggt atccctcagt aaccctcgctc 480
 ggaggcccat ctggcaacga tggcgggaac agtgttgaat ttgaatttga tagctcatac 540
 gcctccgttg tcaaggatgc gtacaaggac gaccactccg tcggcattga gaaccatatac 600
 acgcacccgc cccagctcc tggtttccgt aagaggggtg acggtgacac tacagtcatt 660
 ggtggtccat ctggcaacga tggcgggaac agcgcgtgaga ttgaatttga cagctcatac 720
 aactccgctg tcaaggacgc gtacaaggac gaccattccg ttgacatcga cgaccatatac 780
 gtgcaagctg ccccatctcg cggtttccat aagagaggtg ggggtgacac cacagtcatt 840
 ggtggtccct ccggggatga tggcgggaac agcgcctagc tcgagtttga tagctcatat 900
 gcctccagcg tgaaggattg gtataaagat gatcattctg ttgatgtcaa gaatactatt 960
 atccacccgc ctcttatctt ccaccatctt ccaggtgtgg gtttccgcaa gagaggtggg 1020
 ggtgacacca cagtcattgg tggctcttct ggggatgatg gtggaaacag tgctgaggtc 1080
 gaatttgaag gcacctatga gtcaagtgtt aaggactact acaaggagac cattcagtg 1140
 cttcaccacg gggctggaag gacacgcgct 1170

<210> 8383
 <211> 417
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (343), (347), (356), (357), (366), (367), (372), (405)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8383
 cctgtccac caccttatca cccgcgcgt cctgtccggc atcagcagat acggccagtt 60
 cttgaacaag ttgcgaacc ccttctgctg tccgataacc ctggaaccgc aaacatgtcg 120
 tcgctttct tttacggcgg tggtagcgac agcgactcca gctcgtctga cgaggaggag 180
 ctttacagcg atcgcgagga ggaggaaaag tccgaggagg aagaatccag cgaggaggaa 240
 gatgagacct cggaggagga ggagtccgac gaggaaacag gtgcaaggaa gttcttgaag 300
 gatgttgctt ccgacagcga aggaagaaga agaaagagat tangtcnccg ttgtcnnaag 360
 tgcccnngga tnaaaaattg gatgaagctt gaaatcacta tcaanctgaa tgagaac 417

<210> 8384
 <211> 696
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (182)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8384
 gcgatggtcg ccccaacaag ccaagctgca ccctttcatt acgcagcaga agtttacagg 60
 gcccttcgta ccgccaatga atctgaaaat tcctcgctca acaaaaccat accgcctgga 120
 atacagcagc aacagcaggc tgaggatggt agcaaacagc gagcagccca agcggcacat 180
 gntcagtcag cggcccagaa tgcataatcg atgcaaatga atcagttcca tacaccttct 240
 catggccaac cccaccccat gtacaacggc atgtttgccg gccatcagca aggcgctcat 300
 cctccatata ctgcccagcc gcctggctac ggccatcaaa tgaaccttat gccaggtcag 360
 atgcctcaat cgcaatatgc accgtctcag agtctctacg ctcaagcaac cactagagct 420
 ggtcgccaac gcgcattcac catggaccat cagggaggag gaattccgcc aactattcaa 480
 cgcgttgcc gtcacctgga cccgaatgcc cccattcgac tccagcccag cccagcgtat 540
 taccggccac ctcttgacgg atatgtcgac aacaatgctc aacggcgagc gggaagccgt 600
 gcaggggctg gtcaacgtaa ccgagacttc attcggactc tcgaggacgg tgtcctcggc 660
 ggcgacggct atatgaacca gagccagtgg cactga 696

<210> 8385
 <211> 708
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (670)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8385
 actgactcaa gcagttactc gtctgcaatc gatatgtggt ctcttggttg catcgttgtc 60
 gagctcttcc ttggtctgcc tcttttccct ggctcctccg aatacaatca ggtctgtcgg 120
 attgtggaaa tgcttggtct accaccgacg tggatgcttg aaatgggcaa gcagtcaggt 180
 gaattctttg agaagaccca ggacgagttc ggtcgcaaga cataccggct gaaaagcctg 240
 gaacaatact cccgcgaaca taacacgaaa gaacaaccga gcaaaaagta tttccaggct 300
 tccacgctgg aagaaatcat tcggagctat ccaatgccta ggaagaatat gaagcaagcc 360
 gagatcgagc gaggttcggt tctccagaca actatatctt ttcactcgct gacctctcgt 420
 ccagaattga acaatcgagt tgctttcatc gactttgttc gtggactgct gtcaatcaac 480
 cctcttgagc gatggtcgcc ccaacaagcc aagctgcacc ctttcattac gcagcagaag 540
 tttacagggc ccttcgtacc gccaatgaat ctgaaaattc ctcgctcaac aaaaccatac 600
 cgcttggaat acagcagcaa cagcaggctg aggatggtag caaacagcga gcagcccaag 660
 cggcacatgn tcagtcagcg gcccagaatg catattcgat gcaaatga 708

<210> 8386
 <211> 423
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (35), (91)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8386

gctaattcgg	attcatatca	acagcgcattg	cagantgacc	ttcctgggtgt	gttctcagca	60
tctccagtag	ctgacaatgt	cagaacttgg	ngagttcttc	attcttctcg	attcatccgt	120
acatctgaag	aatgtggtaa	tggagtgact	gacatatccg	tctgtaggaa	tgccgtcatc	180
attggccccg	ccgatacccc	gttcgaagat	ggtacattcc	gcttggtaat	gcacttcgag	240
gaacagtacc	ccaacaagcc	gccaggtgtc	aagtttatca	gccagatgtt	ccatccta	300
gtctatggta	ctggggagct	ttgccttgat	atcctgcaga	accgctggag	ccctacctat	360
gacgtggcgg	ccatcttgac	tagtattcag	aggtatgttg	aatattatta	cacaacacac	420
tag						423

<210> 8387

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8387

cagatcatct	gggccccggt	cgaacacccat	caagggtttg	tatgctccgt	ccgaagacat	60
atgttcgaag	atactcaccg	gtactgtaca	gtcgttgcca	gattccgacc	gcaaaacaaa	120
gtcgaattag	cgtctggagg	agaaccgatt	gttgagtttg	aaaatgagca	gtcatgtaaa	180
atcaacgtga	gtctcccttc	aaggctgatg	aaaggcaagg	tttgctggcg	cttgaagata	240
ttgaccagag	agcgatag					258

<210> 8388

<211> 936

<212> DNA

<213> A.fumigatus

<400> 8388

tccaaagaag	gctccggagc	cttcaccttc	gatcgagttt	ttcccatgga	ctcgaaacaa	60
acggacattt	tgcactactc	gateccgcct	acagtcgacg	atatactgaa	cggttacaac	120
ggtacggtct	ttgcttatgg	tcaaacaggt	gctggaaagt	cttacacaat	gatgggttcc	180
gatatcgatg	acccggaggg	caagggtatc	attccgcgta	ttgtcgagca	gatcttcgca	240
agcattctca	ccagcccaag	caacatcgaa	tatacgggtc	gagtcagcta	tatggagatt	300
tacatggaac	ggatccgcga	tctcctgggt	ccacagaatg	ataacctgcc	tgtccacgaa	360
gagaagtccg	gaggtgttta	cgtcaaaggt	ctgctcgagg	tctatgtctc	cagtgtgcag	420
gaagtctacg	aagtgatgcg	acgaggtggg	gcccgaagag	cggtggctgc	gaccaacatg	480
aatcaagaat	cctcccgatc	ccattccatc	ttcgtcgtca	ctgtctccca	gaagaattta	540
gagacgggct	ccgcaaagag	cgccagctc	ttcctagtgg	atctggcagg	tagtgaaaaa	600
gtcggcaaga	ctggcgccag	tggccaaacc	cttgaggagg	ccaagaagat	taacaagagt	660
ttgagtgtct	ttggtatggt	catcaacgcg	ctgacagatg	gcaaatcgac	acatatccct	720
taccgtgact	caaagctcac	tcgaattcta	caggagagtt	tgggtggtaa	ctctaggacg	780
accctgataa	tcaattgtct	tcccagtagc	tataacgatg	cggaaacgat	ctcaacgctg	840
cgattcgggtg	ttcgcgcaaa	ggcaatcaag	aacaaggcga	aggtcaatgc	tgagttgacc	900
ttcgggtcttc	accacggggc	tgggaagggtc	cgcgca			936

<210> 8389

<211> 675

<212> DNA

<213> A.fumigatus

<400> 8389

ggccatcttt	cattcacagg	aatcttggtg	ctctcttcca	ccacccttga	taaccgagtt	60
gatatccgag	aagtcaactt	gagggctgac	accctgtgtg	taaagattga	gggcaagagt	120
gaccagatcg	acattaccag	ttctctcacc	atttccgaaa	agagttcctt	cgacacgctg	180

agcaccagcc	atctgagcca	gctcggcggc	ggcaacagca	cagccacggg	cgttgtgggg	240
atggacagag	acgacaaact	tctctctctc	cgctcatgttc	cggcagaaat	actcaacctg	300
gtctgcaaat	acgtttggcg	ttgtcatctc	cactgttgct	ggcagattga	atattatggg	360
gctttcttcg	gtagggcccc	aagcagcctt	gacggcctcg	caaactctga	ctgcgaactc	420
aggctcgggtg	tcggagaagg	tttcgggaga	aaactcgaac	tgccactggg	taccagccat	480
ctctggatcg	tccttggtta	tcgagcgggc	gtacttggtg	catcttacgg	caatctcaag	540
actctgttcg	cgggtggttc	cgaaaactat	tcggcggaaa	cacgggctgg	tagccaggta	600
gatgtggagg	atagctttct	ttgcgctttt	gagggaaatcg	acagtgcgac	ggatgatttc	660
ttctctgcaa	ggtga					675

<210> 8390

<211> 405

<212> DNA

<213> A.fumigatus

<400> 8390

gccagctcgg	cggcggcaac	agcacagcca	cggctcgttg	ggggatggac	agagacgaca	60
aactttctct	tctccgtcat	gttcggcgag	aaataactcaa	cctggtctgc	aaatacgttt	120
ggcgttgtca	tctccactgt	tgctggcaga	ttgaatatta	tggggctttc	ttcggtaggg	180
ccccaaagcag	ccttgacggc	ctcgcaaatc	tggactgcga	actcaggctc	ggtgtcggag	240
aagggtttcgg	gagaaaactc	gaactgccac	tgggtaccag	ccatctctgg	atcgctcctg	300
gttatcgagc	gggcgtactt	ggtgcattct	acggcaatct	caagactctg	ttcgcgggtg	360
gttcggaaaa	ctattcggcg	gaaacacggg	ctggtagcca	ggtag		405

<210> 8391

<211> 453

<212> DNA

<213> A.fumigatus

<400> 8391

ccggtcgggt	gtaatgttgt	agtcgaccaa	ggtgaagcga	gggttcgact	tgaggtggta	60
cgctctctcg	aagagctcga	cgatttcctt	gggcgcgagc	tcccggttca	cggcttcggt	120
cttcttctga	acgatcttgc	tgaactcgac	ctgcagagcg	cgcgggagat	ccagctccag	180
actgcgcagg	atgacccagg	cggcaccacc	cttgccgctc	tgggagttga	cacggatgac	240
agcctcgtag	ttccgccccaa	tgtcctgagg	atccagaggg	aggtatggga	tgaccatttc	300
gtcgtcgtcg	gtggcggttg	cactttcgcg	cagcttgaat	cccttcttga	tagcgtcttg	360
gtgactgccg	ctgaacgcgc	agacaaccag	ctgaccaccg	tagggccatc	tttcattcac	420
aggaatcttg	ttgctctctt	ccaccacctt	tga			453

<210> 8392

<211> 828

<212> DNA

<213> A.fumigatus

<400> 8392

gatggtgatc	agaagtcccg	gttctttaag	atgctcgtcg	acatcggcta	cacggaaatc	60
gaagtatcat	tcccctcggc	atcgcaaacg	gacttcgact	tactcgaagc	tctggtaaag	120
acacctggtg	tcgttcccga	cgatgtctgg	ctccagggtc	tgtaaccttg	cagagaagaa	180
atcatccgtc	gcactgtcga	ttccctcaaa	agcgcaaaaga	aagctatcct	ccacatctac	240
ctggctacca	gcccgtgttt	ccgccgaata	gttttcggaa	ccaccgcgca	acagagtctt	300
gagattgccg	taagatgcac	caagtacgcc	cgtcgataa	ccaaggacga	tccagagatg	360
gctggtaccc	agtggcagtt	cgagtcttct	cccgaaacct	tctccgacac	cgagcctgag	420
ttcgcagttc	agatttgcca	ggcgtcaag	gctgcttggg	gccctaccga	agaaagcccc	480
ataatattca	atctgccagc	aacagtggag	atgacaacgc	caaacgtatt	tgcagaccag	540
gttgagtatt	tctgccggaa	catgacggag	agagagaagt	ttgtcgtctc	tgtccatccc	600
cacaacgacc	gtggctgtgc	tgttgccgcc	gccgagctgg	ctcagatggc	tggtgctcag	660

cgtgtcgaag	gaactctttt	cggaatggt	gagagaactg	gtaatgtcga	tctggctact	720
cttgccctca	atctttacac	acagggtgtc	agccctcaag	ttgacttctc	ggatatcaac	780
tcggttatca	agggtggtg	aagagagcaa	caagattcct	gtgaatga		828

<210> 8393

<211> 1047

<212> DNA

<213> A.fumigatus

<400> 8393

cggagagaga	gaagtttgtc	gtctctgtcc	atccccacaa	cgaccgtggc	tgtgctgttg	60
ccgccgccga	gctggctcag	atggctgggt	ctcagcgtgt	cgaaggaact	cttttcggaa	120
atggtgagag	aactggtaat	gtcgatctgg	tcactcttgc	cctcaatctt	tacacacagg	180
gtgtcagccc	tcaagttgac	ttctcggata	tcaactcggg	tatcaagggt	gggtggaagag	240
agcaacaaga	ttcctgtgaa	tgaaagatgg	ccctacgggt	gtcagctggg	tgtctgcgcg	300
ttcagcggca	gtcaccaaga	cgctatcaag	aagggtattca	agctgcgcga	aagtgccaac	360
gccaccgacg	acgacgaatg	ggatcatcca	tacctcctc	tggatcctca	ggacattggg	420
cggaactacg	aggctgtcat	ccgtgtcaac	tcccagagcg	gcaagggtgg	tgccgcctgg	480
gtcatcctgc	gcagtctgga	gctggatctc	ccgcgcgctc	tgagggtcga	gttcagcaag	540
atcggtcaga	agaagaccga	agccgtgaac	cgggagctgc	ggccaagga	aatcgctcag	600
ctcttcgagg	aggcgtacca	cctcaagtcg	aacctcgtc	tcaacttggg	cgactacaac	660
attacaaccg	accggtcaca	gtcacccggc	cccccgagc	cgggcaaggc	cctcaacacc	720
aagaatctca	agcgtcgctt	caccgggtatc	atcgaaatcg	acaacattca	acacgctatc	780
actggcggtg	gccccgggtg	catctcatct	ctggcgaaatg	ctctgtcgac	tctagggtatc	840
gatctcgatg	tcacgtgatta	caagggaacac	tcgatcgggc	tcggtcgaga	tgtgaaagcc	900
gccacgtatc	tccagtgac	tgacgcggc	agcaaagaac	aagtctgggg	tgttggtatt	960
caccaggacg	tggtacaagc	cagtttgatc	gcctcctca	gcgctgcgtc	ctcggtagct	1020
ttcttattac	acttttcctc	cccttaa				1047

<210> 8394

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8394

tttgataggc	ttaaagatcc	ctcaaaaaaa	tacaagccct	tcaagcctct	gcattctcct	60
aaccgtcaat	ggcccgataa	ggttatcgac	aagccgcctc	gctggctggc	tactgatctg	120
agagatggca	accagagtct	gcctgatccg	atggtgagga	cctcgttcat	tttttttgga	180
cgctctga						189

<210> 8395

<211> 294

<212> DNA

<213> A.fumigatus

<400> 8395

tcgccctcct	cagcgtgctg	tcctcgggtac	gtttcttatt	acacttttcc	tccccctaag	60
atttccatca	tctctaatag	attgtctgta	cagttcctga	caagcgtgct	cggctcccc	120
gtctccattcc	gccctcaacg	ctccaacacg	ctcacagacg	aagatctgca	agccctcgag	180
cagctcggca	gtcctaattg	cgccgccatc	acagcctcga	agctcacaac	caacgacagt	240
gccaagccaa	aagttgatct	ggacgcgctg	accgccagg	cgaacagcca	gtaa	294

<210> 8396

<211> 918

<212> DNA

<213> A.fumigatus

<400> 8396

acaatacatt	tcgtccttcc	tatttttttt	tatctactgt	ctttcccttt	ccttatacaa	60
cccctggta	taccagacat	ggccagctac	agtacctgcg	cggaagtcag	ccccctctgt	120
ccagtggagg	ccacgacata	cggctactat	ccaaacctag	caggcaacat	cttcttcgct	180
gttttcttcg	gcatectcgc	tctcttccag	ctcggcatag	gcattcacta	ccgcacatgg	240
accttcattg	tggcagtcgc	cgtaggcgct	atcctcgaac	tggcgggcta	catcgccgc	300
gtgctcatgc	accgtaaccc	atgggactcg	tcagccttca	agctccaaat	cgtctgtcta	360
gtcctcgcac	ccacgttcgt	cgcggcaggc	atctacctca	ccctgaaaca	catcatcctc	420
gccctgggcc	cggagcactc	ccgcctcaaa	cccgcctctc	tcacctggat	cttcacatggc	480
tgcgatgtgg	gctcgcctcat	ccttcaggca	gcaggggcg	gcgttgccagc	cgcagcgggg	540
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caggttgcca	cgatgtccgt	gtgtgggttc	cttgggctgg	agttcttcat	ccggtattcg	660
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tataccttct	cccgcttacc	ttcccgatcc	tcttgaggga	cactaaacat	ggcgaccagc	840
atccccgaaa	tggccggcgg	atggggcaac	cccttgatgc	agaaggaaaa	cgagtttctc	900
gttctcgacg	ggatgtaa					918

<210> 8397

<211> 441

<212> DNA

<213> A.fumigatus

<400> 8397

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gccaaagaac	aaggcgtgag	aagactctca	gtactgggta	ctgaaccaaa	attgtttgct	120
acctgcacg	atcattgctg	gctcagtgat	catatcgag	gcagtcagtt	gaagatggct	180
tttcttcgca	ctcccatcgt	gctcttgctg	acgcagatac	tgtcttctct	gggectagtc	240
aatgcagttc	ctaccccgga	atctcttgat	gtgcatggaa	atttagctcg	agatactgcg	300
tcgagcttct	gggtgggctaa	tattaagcgt	caaggcgccg	tggctttcgg	ccagagctcg	360
ggttatcagg	tttaccgcaa	tgtgaaggac	tttggcgcaa	agggttaagtc	tccttctacc	420
gagaccagag	tattttccta	a				441

<210> 8398

<211> 1296

<212> DNA

<213> A.fumigatus

<400> 8398

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gattcctcca	ccaccactcc	cgtcttggtt	tactttcctc	ccggtacata	cgttgtctcg	180
aagcccatca	tccagtatta	ctacactcag	atagtcgggtg	atgccgttga	tcttctctgtg	240
atcaaagcat	ccgccgactt	tacaggcatg	gcggtgattg	acgccgaccc	gtacgagaat	300
gacggctcca	attggtacac	caaccagaac	aacttcttcc	gcgccattcg	caaccttgtc	360
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gcaaccagct	tgcagaacat	ccgcttcgag	atgatcaggg	gaggcggcga	cgccaacaag	480
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ggcggcaact	acggcatggt	cgttggaac	cagcagttca	ccaccgcaa	cctgagcttc	600
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gttgtggcta	gctggattca	gggtaacacc	tacagtccag	caaactctct	caacaagcgg	960

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tcgacagagg	ctcgccaatc	gaatgcagat	gcttacgagt	cgactcaggt	agcaggccag	1140
cccagtgag	ccaagactac	ccctgtgggt	tacccactc	tgtctgggtg	cctttccaag	1200
cctggtttta	gttctgggtc	gaccatcagc	tctcaagggc	catcgagtgg	aaacatgccg	1260
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<210> 8399

<211> 249

<212> DNA

<213> A.fumigatus

<400> 8399

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ggacgcttcg	agctcgttta	cgcggtctgc	ggcgacaatg	agcttctata	cacctgcogg	180
tgcgacgaat	ccggtgaccc	cgacggatgt	gacggcggcc	agcataccga	cgatcgtgtc	240
gggggatga						249

<210> 8400

<211> 429

<212> DNA

<213> A.fumigatus

<400> 8400

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gcttcgagct	cgtttacgcg	gctgtcggcg	acaatgagct	tctatacacc	tgccggtgcg	180
acgaatccgg	tgaccccgac	ggatgtgacg	gcggccagca	taccgacgat	cgtgtcgggg	240
gatgatggcc	gcagtaacgg	caattcgggg	agtggcggta	acgggggggt	tggtcatttcg	300
gtcaacgggg	tcattggagg	gccgggaggt	gatctcaatg	ctgccaatgc	aaccgcgaga	360
tttgatggg	agaccgcgtt	gactctgtct	atcgtgctgg	gaactggact	tttgatgata	420
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<210> 8401

<211> 681

<212> DNA

<213> A.fumigatus

<400> 8401

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acgcaattca	ggaagatagt	atacattgac	tgtgatgttg	tggtctgtacg	ggctccggat	180
gaactcttaa	cattggagga	agatttcgcg	gccgcacctg	atgttggtcg	gccggatatt	240
ttcaatagcg	gtgtcatggt	ccttcgaccc	aacttgcaag	attactatgc	gcttaaggcg	300
ctcgctgaga	ggggcattag	ctttgacggc	gcggaccagg	ggctgctgaa	catgcatttt	360
cgaaattggc	ataggctgag	cttcacgtat	aactgcaccc	ccagcgccaa	ctaccagtac	420
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ggaaggtggg	gggctattta	tgataggcat	tatcgccctg	ttgtaacggg	gggttttgac	600
gttctctact	gtgacacctt	cccctcagcc	acctttattg	ctcacgacgc	ttcagggtcc	660
cgtacgctcc	ctgccgagta	g				681

<210> 8402

<211> 1146

<212> DNA

<213> *A.fumigatus*

<400> 8402

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atcctacagc	tgcttgacga	aaggcgctct	tgtctctcga	tcagtatcaa	ccggaaagag	180
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gacaagcgcg	ggacctccgt	caagaatcgg	tctatgtccc	cacctgcaca	caagccgctt	420
aagtcaccca	agaagcagct	gcagtctctg	aaagcacggg	cgactagcga	tgaggcgcca	480
aatcaggcga	ctgaatcgct	atcgcgacga	gcgaccattt	cgggtactag	tctcggtgtc	540
cctcacccgtc	atcttcgatc	tcccagtcgg	gttagcttgc	catctgagaa	ttatcccgtc	600
ccacaacagt	ccatgaacag	ggcttactac	atgtcaccat	ctacgcacaca	tgaacacaca	660
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gcgcgcgaga	gcgtcctcag	tttctccgac	gagagcataa	atgccgagga	tagcttgcca	1020
tatcatgatt	tgcagctgcc	tgtggacgat	ttagacccat	tccggggcat	catgatcccg	1080
gcagtggacg	acgagattga	tgaatttgga	atgactcacg	gttgggaccg	acggctggcc	1140
gtctaa						1146

<210> 8403

<211> 354

<212> DNA

<213> *A.fumigatus*

<400> 8403

tttctgtctag	acgtttttcac	aaaaggactc	aaagagcagg	gtcggcctct	ttctgtcatt	60
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attaaaacca	ccccacgact	agtctctgac	cagctcatca	atatcttctt	ccaagaatgg	180
gcgcctctat	accccgctcg	ccatcggccg	accatactca	aagcttatga	aaagtatcta	240
tgaacacag	agtctgtgca	gggcagtaca	catgactggg	tgcaactgaa	cctgattttc	300
ggaattgctg	ctcttgcttc	tagtgtaaga	aactgtgttt	ggatttgcat	gtag	354

<210> 8404

<211> 822

<212> DNA

<213> *A.fumigatus*

<400> 8404

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agccacagtt	tcaccgctgc	tttgactgga	cttccagtc	tcttaacgga	agaggatgtc	120
cgtactgaat	accctgagga	cggtgatgat	gagaatgtca	cggagaccga	cttcttgccg	180
actctgccc	gagagtcgac	tcgcatctcg	agcgcccttg	cactatttgg	agcatctcga	240
gttctgaaca	aggctctgga	gtatatcttc	ccttcggacg	gtgggttatga	ggtagtgggtg	300
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ctgcgtctcg	aattctccca	ggacaaaacca	agtacaaata	tcacaagcag	ccggtcaccc	420
cttctggtaa	gttggttggtg	ccgtcgctcc	caacgacttt	gcagtagcgt	aacatccgct	480
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ggaaagagct	ggtgttcacg	tctgggttgg	ggcttctgtg	gcaaaacacg	ggactcaaac	720
gcgaaagtaa	actcctcaag	gagtgccaga	agttgctcac	cgcggttatt	gatcaactcg	780

aacccgagtc ggctcaggca gcagcagagt tcagctcggg ag

822

<210> 8405

<211> 363

<212> DNA

<213> A.fumigatus

<400> 8405

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atgaccaagg	gggactacac	aggtcttcta	cgctatcgcg	gcctcgccgt	tggcctttgc	180
catcaactaa	ggctccacca	gagccaaaag	cgattctctt	ccaacccgct	cgttgccgag	240
actcgtaaga	aggtgttttg	gtgtcaatac	gtccttgatc	ggttagttcc	ccgtctacct	300
tggatggttc	gagaactcga	ggaatgtttt	actcacaag	ccacagtttc	accgctgctt	360
tga						363

<210> 8406

<211> 552

<212> DNA

<213> A.fumigatus

<400> 8406

agactacaga	cgacggagaa	ttcagtctat	tacatcacac	atcaaggcgt	atatcgcaaa	60
atgccatctt	tacaacagag	gaaactcgcc	ttcattggcg	gcggtaacat	ggcctcggcc	120
attatcggag	gtctcgtaag	ccaggacatg	aaccccgcca	acatcacctg	gtccgagcct	180
tgggatgtca	accgcgaaaa	gacgcgaag	ttgggcgtgc	agacgaccac	ctccaatggt	240
gaagctgcag	ccaacgcaga	tattgtgatc	attgcagtca	agcctcaaac	caccaagaac	300
gtctgtcagg	agcttgccac	cgctcggtca	cagcgcacgt	cactccctgt	ggtcgttagt	360
attgcagcgg	gtattacgct	caatagcatg	aaagagtggc	tcaggacgaa	cgatggccgg	420
actgcgcata	ttgtccgcgt	catgcctaac	actccggccc	tgggtcaagga	aggcgcacgc	480
ggctcttctg	ctagcgacga	cgtgacggca	gaggagaagg	agcttatcgg	agctctactc	540
cagagcgtct	gc					552

<210> 8407

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8407

cttacgagga	tatccatgct	tacaatgatg	ttgaatggca	actttctaga	tatcgaacaa	60
cttggttcaga	gccagcaata	cctgaaggct	atcaagagac	agctgccgct	tattattcgc	120
cgcaaaatgg	tccttcacat	ggaactccaa	tggcagaaga	ttgtgtgggt	cggtaaagaa	180
cagcaaggcc	agtcgagcaa	cgatcagata	actagatag			219

<210> 8408

<211> 420

<212> DNA

<213> A.fumigatus

<400> 8408

cccgtagatc	cgctgggtcc	gctcggagac	aagcccaccg	acagtctcgc	tcccgtcaac	60
gagcaagcac	caataccgcc	ccagaaggag	ccttttgcag	gtcgcgggtgc	tcgtccgaca	120
tcactacatc	cgcgaaacatc	tagtgctggt	gggttgggag	actcgggtaca	tctggaagag	180
gatggtgcag	gatttagggg	accgccccct	gtacagcctc	cggtagatgc	ggacgggacg	240
aagaggcaat	ctcaaccacg	tatcagcatt	gaagaggctg	cgaagccgac	attcgaaatc	300
accgtgggtg	atccgcacaa	ggtgggggat	ttgacaagta	gccacatcgt	ctaccaggtt	360

cgaacgaagg taacctcccc actccacatt tccattcatg catgggacgc aaggctctga 420

<210> 8409

<211> 450

<212> DNA

<213> A.fumigatus

<400> 8409

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cctcctccgc	ctgaaaagca	agctgttggc	cgtttcgaca	cgaactttgt	cgagtctaga	180
agggctgcac	ttgagcgcac	gctcaacaag	attgcggcac	atcctatcct	ccagcatgat	240
gctgatctga	agatattcct	ggaaagtga	tcatttaata	tggatgtcaa	gaacaaggag	300
aatagggaac	cggatctagg	ccaaaacaag	ggaatgttca	gctcctttgg	aattagcgta	360
ggtggagggtg	gaaagttcgt	agaacacgat	gatgtgagtt	tcttgtggtt	tgcatacagt	420
caagtcatta	agctaactcg	agtcgaatag				450

<210> 8410

<211> 504

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (461)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8410

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tcgctcttcac	ttcatgcttt	ggcagctgtc	gagttgtctc	ccgccctttc	cagtcatttg	180
gacggacttt	cagaattgca	gttgcgcatc	aaggaaacttt	atgagcgcca	agcacagcag	240
gatgttctga	cactaggaat	caccatcgat	gagtacctac	gcattattgg	gagcgtcaag	300
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cagaaacgga	agcataccca	ggagaagctg	cttagacaag	gaaagacgca	gcaggatcgc	420
ctcaatcaag	ccaactccga	tgtggccgac	acggaaagat	natgcaccag	gccaagctgc	480
tattcgacta	catgggcctt	ttga				504

<210> 8411

<211> 192

<212> DNA

<213> A.fumigatus

<400> 8411

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accatcatca	tcaaccacat	ccgagagttc	atttccaagc	cccagatcca	ctcgcaacct	120
cctattcgtt	tctttacgaa	cacaggcttt	ttgggggggg	gggagtcatt	tttttttttg	180
gttttcttgt	ga					192

<210> 8412

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8412

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gcaaacgccg	ccgccatttt	agacctttgt	ctttgggtca	ttttgccttt	cttccttctt	120
ttggaggggg	tctttggggc	catgcaactg	cgagtctgcg	gtgggaccca	ggcgcacatg	180
aacaggccaa	ccacacttcg	tttttag				207

<210> 8413
 <211> 1248
 <212> DNA
 <213> A.fumigatus

<400> 8413						60
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atcttttcag	ctgtctccag	caacgctcac	cagctctata	ccctgctgca	atgcatcgga	240
tttgttccaa	aggccacggg	gcaaattact	ccagacggaa	tccggttttc	ggcagaggag	300
accagggtga	tacagggact	tgcctttctc	gacaaggcgc	tcttcaccag	ttataccttc	360
aacctccaa	agaccccaaa	caatgaggcc	aatgacgcag	acaatcatga	caacaccaca	420
gacaccgcat	actacccatg	tttcgtgggc	tctctgtctg	ccctcttgga	gacactgaaa	480
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acaatacagt	acactcacga	aggcgctccg	ctgagcatca	ccctctccga	aacaggggtc	660
aaaacgacct	gcgatctgac	aacttaogaa	cccgaagaca	ccgacaccga	catccctttc	720
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caaaaggcgg	ctcgtgctat	ggcagtagcc	aataaagtga	gcattagggg	ggatagacaa	1140
ggcgttctta	gtcttcagtt	catgattgag	ttcgacaaca	atggacatgg	tggcgccact	1200
ggtggcatgc	ggtcttcggg	agcaagtacc	gggggcaactg	tgactttcgt	ggacttcctg	1248
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<210> 8414
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 8414						60
gaacgacgaa	aatatccccg	cgagccattc	attattgccc	actcaaaact	cgattttccac	120
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ttaacattca	ctagttaggc	tcaccttttc	tgggaaggga	acgatcctca	acggtggctt	237
ccccagaggt	tcattcttcg	tctacaacaa	acactgtcag	aagggaacaa	gaaatga	

<210> 8415
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 8415						60
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atggtcttcg	agtacttcag	ctgctttttc	accccttaca	gaggtcagaa	aactctgtca	198
gatttgagtc	tcaggtga					

<210> 8416
 <211> 198

<212> DNA

<213> A.fumigatus

<400> 8416

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gctgcagagg	aatgatgac	caaggacctg	gacgataata	tgaagattgg	tcaaaatggt	120
gcagagtggg	ttatcaagca	tgcacttgca	aggcacaagt	caacagctac	ggtcctgacg	180
cattgtaaca	ctgggtaa					198

<210> 8417

<211> 645

<212> DNA

<213> A.fumigatus

<400> 8417

atggattcta	tcagctcgct	tgcaacttcg	ggctatggaa	cagcactggg	tgtgatacga	60
tcgttggctt	caaaaaaagc	actggaacat	gcataattgca	ccgagactag	gccttacaac	120
caaggcagcc	gcctgacagc	tttcgaactt	gtccatgata	gactccctgc	tacattgata	180
accgactcaa	tggtagctgc	actgcttgct	agtacgaaag	ctgaagtggg	cgcaatcgtg	240
gttggggcag	acagagtggc	agccaatgga	gacacagcca	acaaaatagg	tacatatggt	300
ttagcagtac	tagccaaata	tcacggcggtg	aaattccttg	tcgccgcgcc	acttacgaca	360
attgatctcg	gcaccaaatac	aggtgaagat	atcgtcattg	aggaacggcc	atcagctgaa	420
gtcaccaaaa	tcagaggtcc	tgtcgatgga	gatcatccag	ctgatattgt	gaagttggaa	480
actgtgcaca	ttgctgcaaa	gggtatcgac	gtctggaatc	cagcattcga	tgttactccc	540
tcaacactca	tcgatggcat	catcactgaa	gtcggcggtca	tcgaaaagga	agccgatggc	600
cagtttcatc	tggagcggct	attcatagat	aactcagctt	cgtga		645

<210> 8418

<211> 252

<212> DNA

<213> A.fumigatus

<400> 8418

tctagcgtat	tcagaattgg	cgtcggttct	tggcgtgttt	tcaaatcaaa	tttcgctcaa	60
ctctacgtct	ttgatttggc	acaggggggtt	tacttcatta	ccccataat	ctcttcgcta	120
tctgggatgt	tctcttgtct	ttatgctatc	attggatggc	tgctatcttt	ctggactgcc	180
tttctatggt	taagtgggta	taagactacc	actttaggat	gtccttaacc	cgcgttttac	240
taccatgtat	ga					252

<210> 8419

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8419

tttgaaaaca	cgccaagaac	cgacgccaat	tctgaatacg	ctagattaac	tgcacagcag	60
gataagtgtc	atctcctctt	gttgtcaact	tgcattgtgc	ggggagtcca	tgtgcctcct	120
attctgtctc	tactgttttc	tgaggtatac	aaggacctgc	accctatcga	atcttcacgg	180
tccagtaatt	ccagccgact	agctcgcaag	ttggcaccac	ctggtgtagc	aatgctgggt	240
atgcctagtg	ctacataa					258

<210> 8420

<211> 282

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (179), (226)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8420
 ttccctcaat ttgttcgaaa cggcaaaacc ccaaaggtgt ttataccggg aaagcccacg 60
 aaaaagaaat catggccggg gaggtggcgg gtgcgccagt tgtttgttc agtttcacag 120
 gatcggaactg tgaagatctg gtccactgaa gagggctctg ttgttggtgc ctccggggnt 180
 cacaagagag gagtttggtc tgtccgtttt gccgcaaaaa gatccnctca gcaggcggag 240
 gcggggcaga cccacagggc tgatgccaca ggtctgggat ag 282

<210> 8421
 <211> 1065
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (158)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8421
 acgtcaagct tggagttgtc tgactacagc tgtcttttga cgtttgaagg gcacacaaac 60
 agtgtagtga aagtcacatc gctcccgct tcagaactgt ccatcaaagc tgaagacgca 120
 gaggaagatg atacggatgc ttccggcgcgc aaaatcgnta cccagccgaa acctctaatac 180
 gcactctgcg ctgccgacgg attgggttaag atctgggtgc cttataccgg cgaggctcgag 240
 accaccctcg acaatcacga ggatcgagtg tgggcgctag cgagccctac accctccggc 300
 tcgcgtgccg atgtcaaata gtcaccttct caaaaagccg ctactccgta cgcgctcgcc 360
 tctggctcgg ctgactccac cgtcaccttt tggactgata ccacctctgc gacttacacc 420
 gctgcagtca gcgccaaact tgcgccgcat gaacaagatc agaagttgca aaattacatt 480
 agagcggggg cttatcgcca agctatcaca ttagcaactc agcttaacca tcccgcacga 540
 ctcttatcca tcttcacaac cgcaatcgat gctgcggata atccgtactc atcagactca 600
 gacaaagacg agcgtgtcaa cagtttgact ggtgacgcat cgatcgatga ggtccttcaa 660
 tcccttgatc cgtctaatac ccgccttctt ctgctccggg tgcgtgactg gaacactaac 720
 gcgcgcactt ctcgagtggc gcagcgaatc ttatatgctt tgttccgggc atatactgct 780
 tcaacattcg tggagctggc gacgtcaagc atggcaaaagc gaggcagtga tgcgtgcacc 840
 gccgcaggca tgagggatat tctgcaggct ttggccgcat acacagagcg gcattatcgc 900
 cgtgttgagg agctgacgga cgagagtctt ctggtcgaat ggggtgttggg tgagatggac 960
 ggcgccgtag gacttctagg aggtcccggt gtctccagca cgagcgaggc caatggtgat 1020
 caagtacatg aacatgaaaa ggatttcatc atgttggggg tatag 1065

<210> 8422
 <211> 1077
 <212> DNA
 <213> A.fumigatus

<400> 8422
 ctgaatcaaa agcgcgacga tgcaaacggg gggaccgaac catcttctcc tttctcacgg 60
 aagcgccgga ctctggactc tcaacgcagt tctcgtcggg acagcacggg aactggacgt 120
 ggtatcttgg gtgttgaaga catccaggtt catccagcta caatgagaca ggagatcatt 180
 gctgccagtc ggaatcgctt cgatgacgtg tcttccgaat cggacagtga ccagcgagaa 240
 ggtgacgaag gggagggcca gccgtcggag cgaacgaatc ttcttggcag caaggacaga 300
 gcgaccaact acaccgatga gagcgatata gcttataagc ggcaagaacc cattggtgat 360
 gacgacatcc acaagtccca caaccacgag caaccaaagc ccaaggaagg caagcatggt 420
 cacggacatg gacacgatct taacatgcgt ggggtcttcc ttcattgtgat gggcgatgca 480

cttggcaata	tcggtgtgat	cgtttcggct	ttagtcattt	ggctgaccga	ctactcatgg	540
cggttctacg	tcgatcctgg	tatctctctg	ttgataacag	tgatcatcct	tgcattctgca	600
attccgctct	gcaaggccgc	gtctcgcac	cttttgagg	cagtgcgggc	aggcttgagt	660
attgatcaca	tcaaagaaga	tatcgagcgt	cttcctggcg	tcacgggac	ccatcacttg	720
catgtgtggc	aactcagtga	cactaagctt	gttgcttcga	tccacatcca	ggtagacacg	780
gagatcaagg	gtgaaggatc	cgagcggtac	atgcgtcttg	ccaggcaggt	gaggaaatgc	840
ctacatgcct	atggaatcca	ttcgtccacc	atccagcccg	agttcgcccc	ggacagcgat	900
gcgaggagaca	ctcaagcgct	tccgtcgtcg	tctcgtggaa	gcaatgatga	accctcaggg	960
tccagcaagc	tgccaagtca	agccccaagt	gtccgggacg	gagatcctca	ggcgtgtctt	1020
cttgaatgcg	gcgaagaatg	cgcccaaaag	ggccaatgct	gccccaaagaa	gtcgtag	1077

<210> 8423

<211> 228

<212> DNA

<213> A.fumigatus

<400> 8423

cttttcgctc	ctagatacta	ttattgtccc	gtcggaggtct	ccttagccaa	cgacgaacga	60
gatggcataa	cgttgccaac	cacggcctac	ttgtatatct	ctgcccttct	atcctactca	120
tcagttacac	tcctttactt	gcattttttg	cagcatgata	cccttatctg	tttgagccgc	180
caaaatcttc	ctgctttact	tttgtgttac	cgcgcctcc	tgttctga		228

<210> 8424

<211> 498

<212> DNA

<213> A.fumigatus

<400> 8424

tggcaacgtg	cggaaccct	cggtgccctg	gtgaacgggtg	tcttctcgt	tgcgttgtgt	60
ttgtccattt	tcctcgaagc	aatccagaga	ctcgtcgagc	cacaggaagt	gaagaatccg	120
aagctggttt	gcactgttgg	atgcttgggc	ctcctttcga	atatacttg	gctcgtcctg	180
tttcatgacc	actctcacgc	ccatggacat	gcagatgacc	actcaaacga	agatattgaa	240
gacgtcgatg	cggcggaaca	agggttgc	catggtcatg	gggaaactac	tgtggcggac	300
aagcgggctt	ctactgctac	tgtaaatact	ccccatccac	tctctacact	cctctggcta	360
actgaatcaa	aagcgcgacg	atgcaaacgg	tgggaccgaa	ccatcttctc	ctttctcacg	420
gaagcgcggg	actctggact	ctcaacgcag	ttctcgtcgg	tacagcacgg	gaactggacg	480
tggtatcttg	ggtgttga					498

<210> 8425

<211> 264

<212> DNA

<213> A.fumigatus

<400> 8425

gtggtcatct	gcatgtccat	gggcgtgaga	gtggtcatga	aacaggacga	gcccaggtat	60
attcgaaagg	aggcccaagc	atccaacagt	gcaaaccagc	ttcggattct	tcacttctctg	120
tggctcgacg	agtctctgga	ttgcttcgag	gaaaatggac	aaacacaacg	caacgaggaa	180
gacaccgttc	accagggcac	cgagggtttc	cgcacgttgc	cactaatcca	gagaaaacga	240
ttagccttgc	tcttgttgat	ctga				264

<210> 8426

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8426

cacatacccc	tgttcgtgat	ccttttcgag	attgcaacgt	tgtatctggt	tagattaaag	60
cataccttgt	tcttcctaata	taaggccctg	gctcaagtgt	tacgtcgcct	gctccagggc	120
acccaacacc	ttgcaccctt	ctgcaataat	aatcgtgaca	ttatctgcag	atccatcgtc	180
tcatgtcgag	tttggccgaa	atag				204

<210> 8427

<211> 507

<212> DNA

<213> A.fumigatus

<400> 8427

agtgtatcca	acaaatctac	cgatgtagta	tgcaagcatg	gtcctgctga	atgcataggc	60
gacatgctca	ttctctgtgc	tgcaaatctc	cctttcccac	cagagggacg	aagcatgcct	120
cgcaccccaa	cgatccgctc	cctgggcttc	gccaaattgtc	tgatcagttc	ctatgagaag	180
atcccagagc	gctcattcgt	cgagcagtgc	gctttggaac	atggcatcga	ttttgatgcc	240
ttaaaccgagt	gtgccagcca	gcagaacgat	gacctggcc	atcacggagg	ggacaaggat	300
ccccttagcg	gtatcgcgct	gctccgcaag	agtgcctgt	acagcgaggc	gcttggtgtc	360
agaactagct	gtaccgtccg	gctagatgag	caagtgtggt	gtgttcgtga	cgacggcctg	420
tggaaagact	gtgcccaagg	aggaagaggt	agtcagattt	ctgtccttgt	tgaggagatc	480
gagaggattt	ggagagagcg	gaattaa				507

<210> 8428

<211> 315

<212> DNA

<213> A.fumigatus

<400> 8428

cacaaaagtc	atattttcgt	cgaatacagc	aacaacatgg	tcaatcccaa	ccaaaagacc	60
ggtgctgaaa	ctcatacggg	tgagcaaaaag	cgacactttt	atgacagcct	caactgaagac	120
cagaagaaga	agcagacctt	tggcgaatgg	gtgaaagagg	catacaatga	ccaatatgaa	180
aagtggatgc	cgtggctcga	ggagcagtat	ctgaaatggg	tcggaagg	cgataataag	240
gcttcatatg	tgcgcaagg	taagaaatct	ccctttctca	tctatataag	aaaaatgacc	300
ttgagcatct	catag					315

<210> 8429

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8429

gcccggctag	attccctctc	caagtccaaa	gtctccggca	ttaaacagat	tgaccagggtg	60
caagacgatg	tccacaatct	ggccggcaac	cagctcggcg	aaaacggatt	ccttgcccct	120
gtcggctaca	tgatctccat	agaaggaatc	attcgcgccg	agagaaacgg	taaagacgat	180
gatggctcat	ataacggtcc	gctcggcggc	gtctcagaa			219

<210> 8430

<211> 246

<212> DNA

<213> A.fumigatus

<400> 8430

aaggagcaga	acatcactcc	tctcatcttc	cctaccactt	gtttcattca	gaccttactc	60
ataatgagat	tccttccttg	ggctgttgcc	attctctcgg	ctgtgtgcgt	tcaggcaaat	120
gaatggcacg	cctactaccg	gctcacctcc	gatgcatatc	aagccaagtt	caacgacctt	180
gtgggccaag	gctaccgctt	gaactccgtc	agcggttacg	atcgcaacgg	ccagcctaac	240
ttcgcc						246

<210> 8431
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 8431
 acatgtcttc ctctccagaa tacgtcttta cccgggacta cttggacaac aaccgggatg 60
 tttattccag cttttgctat cctgactgct tacatttgca gcatcaacct gcagcattat 120
 ctggctgctc aacttttcgg ataccgcatt caccctcga ttctgtgcaa ggatgtgaac 180
 aacctacgga tcgcagacgt aggaacaggc actgggtatg tcaagctcga cttgttagat 240
 ggcagcttct cacactga 258

<210> 8432
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 8432
 cgacgatgta atgcaggaga catgcgctat ggcggcgtag gcctccatca agcgcgagtc 60
 atagctatcg acccgggtcat gatccagaca tgggccaaagt tccttctcgc catcgcattc 120
 atctacatct tcagcgtgat tctcccaaaa ctgcgcgtgc tgagcctgta catctctatc 180
 ttcaatcgac accgcgcctc ccgcattacc tgctacgtca ccggcttcct gatgatcggc 240
 aactgcatcg gctgtgcggc ggcgggcttt gcagtctgca cgctctccg gaagctatgg 300
 gaaccgcagg tggacgggca ctgcgtcaat atcaatgcgt gg 342

<210> 8433
 <211> 735
 <212> DNA
 <213> A.fumigatus

<400> 8433
 atggcagctt ctcacactga cagaatctgg ctccaccgatt tggccgatga attccctgcg 60
 actgtccaac tagatggact tgatgtctcc ttcgatgcgg ctctccacg ggactggctc 120
 ccaccaata tgagccttca ccattgggac atcaaggcca aagtccctga gcacctggtt 180
 ggtgtctatg acgtgggttaa tgtccgccat ttctgttttg ttctccaaca atctgacatg 240
 aaaggtgttc tcgacaatct attcaaactt ctgagtagct cagacagtgt ctacaatttt 300
 cgtatctcta acagctgggt tacagagccc ggaggttatc ttgagtgagc tgatctcgac 360
 atgtcttcac ttctgttcga gaaaatcaac ccggacatca aggcggacgc gaacgtcaag 420
 ttaatgcaac ttttcaggc caatgatacc cgtcttcgta ccgcgtgggg tgcaagtctg 480
 ccctcgcatt ttgcacagag cggattcacc aatgtgaaat ctgatgtgag ggatgcacca 540
 ccccatgttg cagttgcact gcatgagtgt gggatgttg ccacggaggt cttagcgcca 600
 aacaaagtag gtgggaacga gcagatggtg cagcaactta gacaaaccct ggccgaggct 660
 gcaaaggaga ctcgtcaggg atctgttctg gctttgacta gacttactgt cgtcggtcag 720
 aagccgagcc agtag 735

<210> 8434
 <211> 255
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222>
 (21), (48), (49), (50), (51), (52), (53), (55), (56), (57), (58), (59), (60), (61), (62), (63),
 (64), (65), (66), (67), (68), (69), (70), (71), (72), (73), (90), (91), (92), (93), (94), (95)

), (96), (97), (98), (99), (100), (101), (102), (103), (104), (105), (106), (107), (108), (109), (110), (111), (112)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8434

aaacttgggg	gagtggg	nctttttt	gtgggg	gggggg	nnnnnnnn	60
nnnnnnnnnn	nnntactcga	ccgtagaggn	nnnnnnnnnn	nnnnnnnnnn	nnaaaacaaa	120
aaaaaggtgt	tttttgggcc	ctccccaccg	tggggacttt	attccaaccc	cgtttcctgt	180
atgacaaaaga	ggccaaccgg	ggcccccccg	gggttgggaa	tcccttttgg	taagaaaaat	240
agagacaccc	cttga					255

<210> 8435

<211> 525

<212> DNA

<213> A.fumigatus

<400> 8435

aggcaacggg	cagcgcaaag	gttgaaacct	caaacaggtg	cctgcacaac	cgtaaaaatt	60
ccctcgaccc	gtcggagagt	ggctcccccc	ggtttcacag	aaactctcgg	tgcgccaac	120
acaaagaagg	gtaaccagac	cccagcccg	ccccgcccc	ggttggttgc	ttctcgcgaa	180
ggggccaagc	cgcacaagcc	cgccgttcgg	cccgaagaaa	ccataccaag	ccaaacggcc	240
agcgtgcggc	catgcgcgc	aaccgcaacc	aagttagggc	gcatcacagt	gggcaaaacg	300
aaacccggcg	aggcgcttgc	accggctccc	gccgttcgag	acccccccgc	gacccttaca	360
gcgcaagaca	agaagattcg	aggactactg	aagaagatcc	gggcgatcga	ggagctgaaa	420
atgcgacttg	cgagtgggga	gaaactggag	gatacgagg	tgaagaagat	ccagactgag	480
gacgcagtgc	gcaaggaact	cgaagctttg	ggatacaatg	gataa		525

<210> 8436

<211> 480

<212> DNA

<213> A.fumigatus

<400> 8436

gtggcatctt	tatctccatt	tgcaggtcct	gggcctgtaa	aaactataat	tattctagtc	60
gagatgtcca	ctccggagca	aagttcaccg	aggctcgccct	tgcgagcggc	acagcgcccg	120
actcgtgtgc	tagcctgcgt	cctgtgtcaa	cagcgcaagg	tcaagtgtga	ccgacaattt	180
ccctgtgcta	catgtgtgcg	agctcaaatg	cagtgtgtgc	ccgcaacaca	agcccggcga	240
cgtcgcgggg	tcccggagag	ggagttgctg	gaccgcattc	ggagatacga	agatctgctg	300
cgccagaata	atatccaatt	tcagcccttg	cacaattctg	ttgcggaaca	ggcctcgtcc	360
agtagagaaa	atagacgttt	cgatacagat	cacgatgaga	aattagagcg	agattcgcag	420
aaagaggaga	ccccggggac	agagacaaaa	tatgaggcca	agtcagcttc	ccatccatag	480

<210> 8437

<211> 612

<212> DNA

<213> A.fumigatus

<400> 8437

acccggcaaa	cgactgacgc	ttccaagatc	tctgttagac	ctcaaacaga	tcctcgctct	60
ctgtcgccaa	tcctgggcgt	cgccatccgt	atcgactgc	gcatgggtat	ccattccgag	120
tccagctaca	gcagatgtac	tattctagaa	ggtgaaatgc	gccgccgact	gtggtggtcg	180
ctcgtcctgt	tcgataatcg	gatttgcgag	atggctgact	acaaggcctc	aaatctgctt	240
cccacctggg	actgtaagat	tcctctcaac	gtgaacgatt	ttgacctcca	accagagatg	300
aagaccgggc	cgaccatgca	cggcaatccc	tccgagggcc	tggtcgccgt	cgtgcgcagc	360
gaggtgggca	atttcacgcg	ccgcagctcg	tttcatctgg	actttaccaa	cccggcattg	420
aagactgtgg	ccaaggaaaa	tcctcttctt	gcggccggga	gtctgcctgc	ttttgaaagg	480

atgattgaag agaaatattt tgcctcctgc aaccagaga accctcttca ttttatgacc 540
 atctggacca cacgggttca actggcgaag aatcgtctgg tcttcaccgc gggggtgcga 600
 gggtcctct aa 612

<210> 8438
 <211> 483
 <212> DNA
 <213> A.fumigatus

<400> 8438
 caatcagaaa tgtacgatat cgcgacgcaa ctctcatga aatgggcgcg acatggaccg 60
 accgttccaa tcatggtaac cgacgatttc acccggttga ccttggacac cattgccctt 120
 tgcgcgatgg gaaccggtt caattctttc taccacgaag agatgcatcc ttttgtcgag 180
 gcaatggtgg gcctgttgca gggatccggt gaccgggctc gtcgaccgc gctgctcaac 240
 aatctgcccc cgagtggaga ttccaagtat tgggacgaca ttgcctttct acggaaccta 300
 gcacaggaat tggtcgaagc gcggaggaag aatcccaggg ataagaagga tcttttgaat 360
 gcgctgatct tggggcgtga cccaagact ggcaagggtc tgaccgatga gtcgatcatt 420
 gacaacatga ttacattcct gattgctggt atgtcctgta ccaatttact tctaacgctc 480
 tag 483

<210> 8439
 <211> 945
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (776)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8439
 ctcacgatac taggccacga aacgacctcc ggctgctct ccttcctatt ctactacctg 60
 ctgaaaaccc ccaatgcata caagaaagcg caagaagagg ttgactctgt tgttggacgg 120
 cggaagatca ctgtggagga tatgtccagg ttgocgtatc tcaatgctgt gatgcgggag 180
 acgctgcgtc tgaggtctac agcccctctg attgctgtac atgcccaccc cgagaaaaac 240
 aaggaggacc ccgttaccct gggaggtggt aaatatgtgt tgaacaagga tgagccatt 300
 gtgatcatcc tggacaaaact gcaccgcgac cccaggtct atggggccga tgcagaagag 360
 tacaagccgg agcgaatgct ggacgagaac tttgagaagc ttcccaagaa tgcctggaag 420
 ccgttcggca acgggatgcg tgctgcctc ggccgccctt tcgctggca ggaagctttg 480
 ctggtagtgg ctatcctgct gcagaatttt aattttcaga tggacgatcc cagctacaat 540
 cttcatataa agcagacgct caccatcaaa ccgaaggact ttcatatgag agcaactctg 600
 aggcattggac tggatgctac caaactcggc atcgccctga gcggcagcgc ggaccgtgcg 660
 ccgcttgaga gctcgggagc cgcgagcagg gttcgcaagc aagccactcc tccggcgggt 720
 cagctcaagc cgatgcacat cttcttttga agcaacacag gaacgtgtga gacgtntgca 780
 cgtagattgg ccgacgatgc cgtggggtat ggatttgcgt ccgacgtcca atctctggat 840
 tccgccatgc agaattgtcc gaaagacgaa ccagtgggtg tcattacggc atcatacgaa 900
 ggtcaaccgc ccgacaacgc tgctcacttt ttgcaatggc tcagc 945

<210> 8440
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 8440
 tacgcacaag gccccatcta ccgactgaca acgtttggct ggtccagagt attcgtcagc 60
 acgcacgaac tcgtcgtatga ggtctgtgac gaagagcgat tcaccaaggt cgtcacggcg 120

gggttgaatc	agattcgaaa	cggcgttcac	gatgggttgt	tcacggccaa	tttccccggg	180
gaggaaaact	gggcgattgc	ccatcgtgtg	ctcgtgccgg	cctttggacc	tctgtccatt	240
cgaggcatgt	ttgacgggat	ggtgcctgat	cagccgtga			279

<210> 8441
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 8441	
tttttctttt	tcctttttga
gtatcgacta	gtactttttt
ttcttatttt	cttcttccgg
ctagaggaat	atttttattt
ttattttatt	ctattttatt
tttttttgt	tttcttgact
ttctttctag	ctctattcga
cagactatcg	agtcattctc
catcaaagct	cctaggtacc
cacttaaccg	gtcagtgcc
cgatgctcct	cagactggat
ctgtattttc	ctag
	234

<210> 8442
 <211> 1098
 <212> DNA
 <213> A.fumigatus

<400> 8442	
gacgttggac	acccttttcc
tcgaggagcc	ttccttgagc
cgatatcgta	cagaaccatg
	60
gcgagtcac	cgcgtctcatg
ctatttacct	aactttggtg
ctacctgtga	tggccccaaa
	120
cgtcctcttt	ccttgaaact
gogaacagat	gctctccaaa
gctctggatt	gctgtctgca
	180
tggcgcgaa	ggcaattgac
ccagttgttg	caggcctcgt
gggcccta	tctacatcgc
	240
tacacaggtt	ctgaggatat
ttgctttggc	taccatcaga
ttggtaacgt	gtctcaggat
	300
ctactacagt	ctttagaagc
cgtggatcct	gccctttgca
aagtatcagt	caaagaaggc
	360
atctccctga	aaatgttttt
cgaccaattc	aagacacata
actctcccga	cagtcctctc
	420
gagatagaca	gaagctcacg
caaagcctct	gaaaatgctc
ggctttacaa	cactatctta
	480
atgatacaaa	tctgtcatga
ttccaacgga	acttcaccgc
ccatcccact	accatccagc
	540
ctgccaatag	cgcttcctca
ggaggtgagt	actgagagac
tggctcttta	tcttcccgtg
	600
caaccttctg	aaacatattt
gcagagtcgg	gttcgacttc
atgtcaaagt	tctacaggac
	660
gaggtaaaca	ttttcttcga
atggtggaac	aatgacatgc
ccactgcgca	aatgaaaagc
	720
attgctggtg	cttttgggca
catacctaaca	gatctccttg
cagcaaacga	tacagcagtg
	780
gacgatcttg	acatctttcc
agaaaatgat	tggctctcggg
tatgcagctt	caattcagtg
	840
cttccaaaaa	agcacgaacg
ctgcacccat	gaaatgatct
atgaccggac	tcttctccag
	900
ccagagaatg	aggcggctcg
ctcctgggat	ggtagcctta
cctacaaaga	attggatttg
	960
ctttcgtcca	aggttgcata
tgatcttcaa	caaagaggag
ttggcccaga	ggtctgcgtg
	1020
gccctttgtt	tcgagaagtc
ggtaagtgct	gcaggccaaa
tgatagagct	tcccgcgtac
	1080
cgtcatttca	ttatctga
	1098

<210> 8443
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 8443	
ggccggagca	ctaatactaac
agtacttctc	cttacagccg
gcgatgcaat	caatgcaact
	60
caatgggatg	ccgcccttgc
caaagtaaat	gatctcattg
cacaaacaag	cttaaccgag
	120
aaggcgctga	tcgtcaccgg
cactgtcggg	tttggagagc
tctgcctgta	tgatgggccc
	180
cagggtctgc	acttcgcaga
tctgcgcagc	gtctttccct
cggagttggc	tgcagcagcc
	240
ccatgggata	gatgctactt
ggacggcgat	ggtgagcgat
gggagccgag	tttcgtggca
	300
aagggtgccc	tggtatgctt
ggatgagtcg	acttattcat
ggaagatagg	acgtggagct
	360
aacagaggct	ctatctag
	378

<210> 8444

<211> 501
 <212> DNA
 <213> A.fumigatus

<400> 8444
 gctggacttc caaggggtacg ttatgtcaga cttttttgcg acgcattctg gactgttcgc 60
 catcaacgcc ggtctagacc taaatatgcc cggctatcta tcggaggctg ctttcaacca 120
 ttcatacttc caatgtgggtt tcttggtatt cgtaatggaa ctattcctga atggcggttg 180
 aatgagatga tccgtcaaatt ccttacgcc tactactatt ccagccagga ccatgagtac 240
 cctacaatag acccatcctc ttacgcgggtg accgcagcaa cctacggtat ccttcctgct 300
 ggtgaggtca caccagcggg tcgagatggt cggggtaacc actctttgtt gatccgcaaa 360
 ataggctcgg cagggtactgt gttattgaaa aataaggaca aaacacttcc aattcggcca 420
 gcctgggtca ttggagtctt cggtaacgat gccccagaca tcaatggagg tcttcttccc 480
 gaacaacaac tacgggccta a 501

<210> 8445
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 8445
 tgttgccctc atctgtcgca gaactgtcat tatcacacac tcggatgggtg taaatataat 60
 gtcctggcag ataatgagaa cgctactgct attctcgcag cgcattactc tcggcaagag 120
 tctagaaatt ccatcaccga caaccagcc ttaattacct taggcttcta taaaaaccag 180
 ccaatcggaa gtcgctaa 198

<210> 8446
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 8446
 gacgtggagc taacagaggc tctatctagt ccctcagccg gttcccttgg gcgcagccca 60
 ttgggttttg gggggggaag ggtaactggg aaggattctt cctgatacct tctctcaggc 120
 gttgccatgc aggagtctat tcgcagcgcg caggctgttg gtatgcaggc ctgtgccaaa 180
 cactatattt ggcaacgaac aataaaccca tcgtacgaat cctga 225

<210> 8447
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 8447
 ttacaacaga gtcaagctga cgtattcctg cgaaaattct ccctccttaa gaaaaatatg 60
 agagatgagc tggacttcca agggtagctt atgtcagact tttttgcgac gcattctgga 120
 ctgttcgcca tcaacgccg tctagacctt aatatgccg gctatctatc ggaggctgct 180
 ttcaaccatt catacttcca atgtggtttc ctggtattcg taatggaact attcctgaat 240
 ggcggttga 249

<210> 8448
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 8448
 aagcacgcgc aagggatgag ggctctcgcc tggttttatc tcacagataa aaaactcatt 60

gtggaggga	actttaacag	catctatcct	cggcctgata	tttgcttgg	ttttcctcaa	120
gacccgagcc	caggatggaa	ttgctggcag	agtctggaag	cagactggaa	tttgattctc	180
gtcgtcaata	atggtgcctc	tatctgtcgc	agaactgtca	ttatcacaca	ctcggatgg	240
gtaaatataa	tgtcctggca	gataatgaga	acgtcactgc	tattctcgca	gcgcattact	300
ctcggcaaga	gtctagaaat	tccatcaccc	acaaccagc	cttaa		345

<210> 8449

<211> 858

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (496), (498), (508), (521)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8449

cgatccgtag	acaaggcca	cactccattt	ttcaaggcca	agccccgctc	gacagtatgc	60
acatgcgtgg	cttggctttc	tcccactgac	attgctgttg	gctgtgccaa	cggttttgg	120
gccatctgga	gcattacagc	ctccgaagaa	acccctacag	cctctctacc	ttactttctac	180
gaaccaattc	accgcactta	cattctgaat	ctggcgctcg	cctacccaac	tcattctcac	240
ctgctgtgta	cgacatctat	ggacggagaa	acccgtctga	cctcaatcgc	cgattaccag	300
aaggacaccg	tggaaacgac	ccgtatgcga	atggcgctcg	cccatgctgc	ctactctccc	360
ttgctccatg	ccttcatctc	aagcgacgag	aacgattttg	ctcgactcct	ggccgtgcgg	420
cgcttcttca	ccacaacggc	catggcaagg	ctaccaagta	cggtctccgc	tcttgcgccg	480
tgcagcttct	ggcatncnag	cgtcctcntg	ggctgcgcag	ncggtgaagt	cattgcgaca	540
aaccccatcc	gccgattagt	gcaccccaaa	gagaaacagt	ggcagcagac	ctggttcacc	600
catgaatggg	cacgcgggca	agatgcagac	agcgcgggga	cgagtcgatt	catcgacggc	660
taccgcgctg	agagcttcag	tctcttgccg	aacatgggtg	gtgatcgtag	gatggtcaac	720
ggcacaatga	tgattaccat	ttttgacgaa	ccgaggcacg	ttactgcatt	aacgtggaat	780
cccaaccagc	tgtgtgcggg	atggggccagt	gctgggttgg	gatgtggatt	gattcgggtt	840
gaggatttgg	caatctga					858

<210> 8450

<211> 231

<212> DNA

<213> A.fumigatus

<400> 8450

ggactcatat	ccttccacgg	cgggctgata	gatgctgggg	gtgctctcat	gctatactcc	60
gtcaccacag	tcgaggtcat	gggtatgtgt	gctttgtgcc	aacgtgccat	gcgtacgatg	120
catgctaacg	agaatgttga	caaaattcta	tttcatgtcc	tctgtgcct	ggctctctcc	180
ctaactactaa	tgcaggcccc	tgaacaaatc	agaactgctg	catccagata	g	231

<210> 8451

<211> 672

<212> DNA

<213> A.fumigatus

<400> 8451

ccgggcacgt	caatccttca	tcccagggtg	actttaaaag	gccatgaaag	tcgcaatgag	60
tcgccatggg	aattcttcac	aacatctgca	gtcactgtct	tctcatactc	tcttccaacc	120
gtcatgtctg	atctgcccac	tccttcttgg	ctggatgtct	caacagcctc	gttctgtct	180
acgcccgaag	acacgacgga	cacgctagat	cctcgctctc	tttttcccga	tgaacagggt	240
gcgaacaatg	ctccatcata	cgataatgga	agcagtggca	tctgtgcaa	tgcattcaat	300
gccctctttg	ctgatccctt	actctacgaa	gattctttcc	tcccgctctga	aattgacaga	360

caaccccccg	tccaattcca	ggcgcaacca	accaatcaaa	tgcgcgcato	ccttgtggct	420
agcagtcccc	gcttccggac	cgtgtccggg	gggcgtggct	tccgcgggga	aatgctgcag	480
ttggagtcgg	cgccgcctag	gactattact	cccagcgatc	cttatcttcc	tacaaagccc	540
gctgctcgcg	agcaatgccc	cgccagcaat	cacacaaaagg	ccacggtgaa	atccaatggg	600
tctaccatt	ctgctccgag	gacgagaaaa	aggcatgcat	ccattcgctc	acaactctct	660
catggcaatt	ga					672

<210> 8452

<211> 543

<212> DNA

<213> A.fumigatus

<400> 8452

tccgcgcgt	gcttgaccag	cgcaacggcg	atctcaaagt	gccctgcggc	cgccgcgctg	60
ttcaacggcg	cccagcccgt	tcgatcgggg	gttgtgacat	cggcgccctt	ggcaaggagc	120
agttcaacaa	ctgccagatg	gccctccgat	gccgcgcgt	tgaggggtgt	ccatttattt	180
gctgatgctt	gcgaggtgtc	cgcgccgtgg	tccagaagaa	tgcggaccac	atcagtgtgg	240
ccgtcccttg	cggcacaata	caacggcgtg	gcgcccactt	caccaatgat	agcgttgaca	300
tcggcgccgc	gcttgatgag	agtctcgaca	atttctgcgt	ggccttcaga	ggccgctgat	360
gccagtgggg	tccatccact	cgtagtagg	aagttaaagt	ccgccccttg	gtcgagcaag	420
tactttacaa	tatggagatg	gccactattc	gccgccacgt	tcagcggggt	ccactgcttt	480
ggatgcgttg	tgtctgatat	gttcaactcca	tgttcgacaa	gcacctttac	cgagccgagt	540
tga						543

<210> 8453

<211> 1920

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (18)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8453

aagcagtcgc	tccttgtngt	cctggacatg	gagatcaagg	atctcgaggc	ggcagtacag	60
tctctgaaga	agctgtctat	cgtctctagc	ggggagatag	ctgaaaggca	gaatatgac	120
gtcgccatgg	aaggccta	cagttccgca	aagtcattta	atacgtttat	gtccgtggca	180
ccatcggcac	ctaccgtgaa	tcaggaagat	ggccatggat	ccgcaccgct	tccttcgtac	240
gcacaggcca	tggcacctga	tgatggggct	gagtcggaag	acagtgcccc	ctggccatct	300
ccattcaatg	tggcggctcg	cgagggaaat	ttggaagaaa	tcaaaaggct	ggttgcggt	360
ggtgaggaca	ttcttgccac	cggtgagatt	ggccagtcgc	ccgcatactc	ggctgctgtc	420
tcaggaaaca	ctgaaatcct	agagtatctg	atcgaacacg	gtgcagacta	cacctctggc	480
aacgaaaatg	gcttcacacc	gctcaacgca	gccgccacgt	tcggccatcc	tgacgcgggtg	540
cttgcctctc	tgcaccacgg	agcagatccg	aatgtccctt	ctgtggacgg	acagagccca	600
atctactccg	ccgccaaagt	gggtcaactc	ggctcggtaa	aggtgcttgt	cgaacatgga	660
gtgaacatat	cagacacaac	gcattccaaag	cagtggaccc	cgctgaacgt	ggcggcgaat	720
agtggccatc	tcctatattgt	aaagtacttg	ctcgaccaag	ggcgggactt	taacttacct	780
actacgagtg	gatggacccc	actggcatca	gcggcctctg	aaggccacgc	agaaattgtc	840
gagactctca	tcaagcgcg	cgccgatgtc	aacgctatca	ttggtgaagt	cgcgccacg	900
ccgttgtatt	gtgccgcaaa	ggacggccac	actgatgtgg	tccgcattct	tctggaccac	960
ggcgcgga	cctcgcaagc	atcagcaaat	aaatggacac	ccctcaacgc	ggcgccatcg	1020
gagggccatc	tggcagttgt	tgaactgctc	cttgccaagg	gcgccgatgt	cacaaccccc	1080
gatcgaaacg	gctgggcg	ggtgaacagc	gcggcgcccg	cagggcactt	tgagatcgcc	1140
ggtgcgctgg	tcaagcacgg	cgccgatcac	gccgtcgcg	actctcgggg	ccacacccca	1200
ctctactcag	cggcactgca	cgcccatcat	gctattgttg	acctcctcct	cgaagccggc	1260

gccagtatca	acgtgacgaa	caaggacaaa	tggacgcctt	tgcattgctgc	gtcggcgagg	1320
ggacatcttc	aagtagttca	atctctgata	gcctgtgggg	ctaattccgc	aaccgtaac	1380
atggatgggt	ggagtcctct	caattctgct	gcctgtaatt	gccatctgga	ggtagtgaac	1440
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gatatcgaga	caagcaatga	tatcggtatg	acatcccttg	gaattgcagc	gcgagagggc	1620
tatccggaga	cggtaaaggt	tcttctggca	cgcggtgcag	acaagaatgc	cacgaatata	1680
aacggctgga	cggcgcttga	cggcgcggtg	gaaaaagacc	aactcgaagt	ggttacgctt	1740
ctccttgccc	agggctctga	catctctgcc	aagtcgaaca	ctggatggac	accgctgaat	1800
attgctgcga	gcaatggccg	ggcgacaatc	gccaggttcc	tgcttgccct	tggggctgat	1860
ccaaacacgc	cgcaggatgt	cttcaccacg	gggctggaag	gtccgacgcg	gtcattatca	1920

<210> 8454

<211> 237

<212> DNA

<213> A.fumigatus

<400> 8454

gcagtgattg	gcaagtactc	cgtaaaacgc	tatacatacc	ttagtattta	ccgtagagggt	60
ggcccccaaa	agaagaattg	atccagcgac	agtccggagt	acaacctaga	agtacctagc	120
agagatgctt	cggcaaccaa	taaatacatg	gagaaaagta	agttcgggtg	atttctgagt	180
ctggacctgg	agcgggatgga	tggatctatc	tggcttaaac	agtcgatcaa	gccttaa	237

<210> 8455

<211> 858

<212> DNA

<213> A.fumigatus

<400> 8455

cctaaccatg	gactttctct	gatgagggtt	cttgtgtccg	gcaatagttg	gtcgcgggtct	60
ggtcagctgt	tggcttcagg	ttctgacgat	ctgcatctca	acatctattc	gtaccagccg	120
gaatccctcg	ccgcaccgtt	tacgtctaac	accaccgttt	acaccggcca	caaggcgaac	180
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acgtctgcct	ttctctgcgc	agcccggagc	cgtcgcctca	acaatttctt	tagcaatgcg	360
cgctacttga	atgaaagaaa	taccaattgc	agagtctatc	ggagccacgc	ggatcgggtc	420
aaaaggattg	tcaccgagtc	gtctccgtac	ctcttcctca	cgtgttcgga	ggatggcgag	480
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atatcgata	aacggtacca	tctggacctc	aacaccatct	cgtgctcgtc	gagtcgaaccg	660
cattacatcg	cgtcgggcgg	cgcctatttg	cattgcttcc	tgcacgaccg	gcgaatgctt	720
ggacgggata	ttcttgcgga	aaagggccat	ccaggggggtc	tttccgacag	cggtagccac	780
cacgatgatg	aactcatggg	acaggcgacg	agatgtgttc	ggagatttgc	ccccgacggg	840
aagagacgaa	tgcgccca					858

<210> 8456

<211> 1113

<212> DNA

<213> A.fumigatus

<400> 8456

agggtctgtg	taacagtcaa	aaaatcgcag	ggtgatgtca	atgctgccgc	cgacattctt	60
tgcgagctgc	aggtggaaac	cttcggttcc	atgacaaggc	gtgagaagac	cgagtttata	120
ttagagcagg	tagctctttg	catagaacgt	ggcgattggg	cacaagctgc	gatcttgagt	180
cgcaagatga	acaagatata	ctttgcgcgc	aagccacaga	agtcagcaga	ggaaattgaa	240
aagctcaaga	aggcggccga	ggaaagagaa	aagacacgcg	ctcctgatga	acctcccata	300

gaagtcgacg	aagacgtgac	agacctgaag	ctccgctatt	acgagcaaca	aatcatactt	360
gcaaatacatg	actacaagta	tctagctgtt	tgcaaact	accgtgaggt	ccttgacacg	420
gactcagtgc	agaatatccc	ggagcaactg	cgagcagtaa	gccgatacct	accctgtctt	480
cttatgtgga	cactgacaat	aattaccaa	gtgcttgccc	gaatcgtcta	ctacattgtc	540
ctctctccat	acgacaatga	acagtcggac	ctgctgcac	gcattcagca	agattctcga	600
ctctccttag	tctctgttga	agctcgctc	gtcaagctct	tcaccgtccc	cgagctgatg	660
cggttgccca	tggttgccga	gcagtttgg	ccacatctct	gcaacacgga	tgtgttcaat	720
gcgcaaccca	gccagtcctg	ggaggatcag	gcacataaga	ggtggcaaga	tctccgcaaa	780
cgcgctcattg	aacacaatgt	ccgtgtggta	gccaagtact	acactcgcat	tcagatgggc	840
cgtctgactg	aactccttga	tctggccgag	gaagagaccg	agaagtacat	cagcgagctg	900
gtgacatcaa	aaaccatcta	tgccaagatt	gaccgtcccc	cacgactggt	caacttcgcc	960
aaacctcgag	atgccgatga	cgtgttgaac	gaatggagca	gcgacatgaa	gagccttctt	1020
gggttattgg	aacgcacga	ccatttaatt	accaaggaag	aatgatggc	cagaattctt	1080
ccatcccgcg	gggagatagg	caaggccctg	tga			1113

<210> 8457

<211> 882

<212> DNA

<213> A.fumigatus

<400> 8457						
cacattcttc	tcacatggc	gccccgtcaa	cccccaaac	tcctcatgct	gcacggctac	60
accagtcgc	gcacccatt	ccacgccaaa	agccgcgctc	tcacaaagca	catcacaaag	120
gcatttcccc	tcacgaagt	ctccgccatc	tacccaacag	gtcctacgcg	cctcaacccc	180
gccgacatac	caggctacga	gccgcctgca	gaggggtcca	ccgtagaaca	acagcaggag	240
caaatcgaag	catacgggtg	gtatcgccgc	tcaaacactg	ctgaccacc	cctctacatc	300
ggccttgaag	gcggcctgga	tgctatcgcc	aaggctcctc	gcgaagaaag	gcccttcgac	360
ggcgtgatcg	ggttctcgca	gggggcccga	atggccgcca	tggtagcgct	gctgcttgag	420
cccggccgga	aggaggcatt	cgagcatttc	gctgatccca	aggttgcgct	ggaggggttc	480
gaggtcaagg	agcctgttgc	gggtgtcgca	ttccctgggt	cgtttgagga	ggcgggccat	540
ccaccactga	agtttgcttt	gtgttatagt	gggtttcggt	caccgggacc	gcggtatcgg	600
ccgttctacg	agaatccgcc	tatccaaaca	cctattctgc	atgttctggg	atcgtagat	660
gctgttgttg	acgatacacg	cagccgtgcg	ctggctgaag	cctgtgctgg	tgatccggaa	720
aaagagggga	aggttgtctg	gcaccctggt	gggcactttt	tgccatgtca	aagaccgtat	780
ttggatgctg	cggtgcggtt	cattaaagag	caactggaag	gaaagcaagc	gaaggccgat	840
gcaaaggaag	acgacgttag	ggatatggat	ttgccatttt	ag		882

<210> 8458

<211> 531

<212> DNA

<213> A.fumigatus

<400> 8458						
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atgtcgaaat	caccaactga	acatgtggaa	ctttcgccga	cgaagttgga	gaatgcttcg	120
gacgccctgt	acgaggccta	cgccctcaag	ggccctgaat	ggcaccagca	gatgaccgca	180
cgattactcc	gaaaggtcga	tctgcatctc	ctacccttct	tggtgggtgat	gtacctgctg	240
aacttcctgg	atcgaaagta	tgcttctgtg	tctcagcata	agatcaagct	gacctctttg	300
aagcaatctc	tcacaagcgc	gacttgggac	attggaaaag	gacttgggga	tgacagggac	360
cgacttcaac	ctggcgacga	gcattctggt	cgtcggatac	ctgctcatgc	agctcccgtc	420
caatctgctg	ctgacgcgcg	tgaagccgtc	gtggctgctg	ggtggcgcaa	tgccgatctg	480
gtatgttccc	tcattggtttt	gtcgaatcgg	tctgaccagc	caggggcata	a	531

<210> 8459

<211> 438

<212> DNA

<213> A.fumigatus

<400> 8459

ctcagctcag	tcattgagaat	caacgtcttt	accatcctgt	cccttctctt	cgccagcaat	60
ctcgccatgg	ctacaaccag	atacaccgag	ccgatccccg	agggaaatccc	cgctctcgag	120
acccgccagc	aactcaacga	catggcagac	caatatccca	cggggactct	ggacgatcga	180
aacggggggt	actacctgct	cgaccacgac	ggcgccgtct	tggccgttac	gtctgatgcg	240
ctatgcgagg	aactggacgc	ctcgatggaa	caagcgagga	gatttcatgc	cggggaacttg	300
gacgacgagg	ccgatgttgt	tcctaggggt	gataatgcgg	ctgcgagttg	ctctcaccgg	360
cgctgtcata	cccatgcttt	gtgtcgcaca	tatagtgact	gctatgtttg	ttcgctcgagc	420
aaacattggt	gtttttga					438

<210> 8460

<211> 390

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (297),(304)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8460

agcaatctct	cacaagcgcg	acttgggaca	ttggaaaagg	acttggggat	gacagggacc	60
gacttcaacc	tggcgacgag	cattctgttc	gtcggatacc	tgctcatgca	gctcccgtcc	120
aatctgctgc	tgacgcgctg	gaagccgtcg	tggctgctgg	gtggcgcaat	ggcgatctgg	180
tatgttcctt	catggttttg	tcgaatcggt	ctgaccagcc	aggggcataa	tatccgcagc	240
tcatgcggga	acgacctcgt	tcaccggctt	ggttctggcg	agattcttcc	tggggtntgt	300
ggangcgcct	ttcttcccg	gggcgatcat	gttgatgtgc	gtatacacct	gaagcccaga	360
aagcgtaa	tgcccgtgct	aatgtttag				390

<210> 8461

<211> 462

<212> DNA

<213> A.fumigatus

<400> 8461

gaatcaacgt	ctttaccatc	ctgtcccttc	tcttcgccag	caatctcgcc	atggctacaa	60
ccagatacac	cgagccgata	cccaggggaa	tccccgtcct	cgagaccgcg	cagcaactca	120
acgacatggc	agaccaatat	cccacgggga	ctctggacga	tcgaaacggg	ggctactacc	180
tgctcgacca	cgacggcgcc	gtcttggecg	ttacgtctga	tgcgctatgc	gaggaactgg	240
acgcctcgat	ggaacaagcg	aggagatttc	atgccgggaa	cttggacgac	gaggccgatg	300
ttgttcctag	gggtgataat	gcggctgcga	gttgctctca	cccgcgctgt	catacccatg	360
ctttgtgtcg	cacatatagt	gactgctatg	tttgttcgtc	gagcaaaca	tggtgttttt	420
gattatggac	tggtgctgcc	gcttggggag	gtggatgtct	ga		462

<210> 8462

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8462

acacggctgg	cccaggcagg	atacgaggtg	gccatcgctg	aggctggtgg	ctggatatgag	60
gactcggagc	ccataatctc	atccactcca	gcctttgggt	tcgcgaacaa	tgccggccaat	120
gactggggct	tcattggtcga	gccccagccg	gggatggggg	gaagagtctt	cggtctatccc	180
cgcgggaaat	gcgtggggagg	ctccagtgc	cgcaagtga			219

<210> 8463
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 8463
 acgggttacag gcttcatcca gaaatgccac taccagacat catacaccta tatcaaggca 60
 cgtctcgtcg gttttggcag accagagtca agattggaat accggacact ccacagtaca 120
 tcgttccagt cgcttcattt ctccattctg aggaacaaaa gaaaaacatc tgaaatctcc 180
 atcatgggtt ccctggcgcc taccattgtc cctcctggtg gcctcgtctt ggttaccggt 240
 gtgaatggct tcttggcctc gcacattggc ctcaacctgc ttgagcgcgg ctacaagggt 300
 cgaggcacgg tgcgatccca ggagaaagcg gattggatta ccgaagccat cgcgaaacgc 360
 tatccagaac cctccttcca gacggcgctg gtgccgaaca tctctgccgc cgtgggcctc 420
 caacgatgcc atccgcggcg tcaatgggat cgcccacgtg gccagcggac ctggtccttc 480
 ggggagcgga 489

<210> 8464
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 8464
 gaggagacgc cctctggcca taatcctaag gtagatatac accagtacaa gtggcacgtg 60
 atgctcgggt ctcagcgctc tgcgggtgggt tccccgcac ggaacgtcaa gcggattagt 120
 ggagaagcac agtccaagga catgggcaaa ggtgctcttt tgggtgcagg ggcattctct 180
 ggtcttacia actag 195

<210> 8465
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 8465
 cggccttgggt tttttcgccc ggcaaaacca aggccatccc cgcccaaaac cacctttttc 60
 cagggaagg caccgcggcc aaaccagggc tatataccca aagtttcttc caatccagat 120
 ttccccagc caaacaccat gagggtaagt tctccattc cactccgccc cctatccca 180
 aatacctact tgacccccgt acagatattc gacccccaaa gcgcgctcct caccaacatc 240
 gaggttctcg cctatataac cgccaaccca cccgcagcgc ccccgaaacc tccccgaac 300
 tccccgaact ggttcctag tctgatctc cgcgaccaca atacagtcgt tcgagaagta 360
 ggttga 366

<210> 8466
 <211> 1275
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (46)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8466
 aagaaatag gccttgtgaa ggattatcat ccttaccgta agggcntgga ggaggccttg 60
 cagaaatagt ctcagagagt gctctttgcc gcaggcaagg agtgtttccc caacatgacc 120
 gtggacgcgc ggtgcgtcac cgtaccgcag tccagcttgc ccccgatgc ctatggcttg 180

aagaccgata	ctcaccagga	gggacactta	acccgaccgc	ggtggctgaa	gcccgggtacg	240
gtgatcggcc	aggctgccga	tctgaagtta	atatacgcgc	aagtactgcg	cttcgtggag	300
gagaaccggc	acaaccgcag	tgactatctg	gctctgacgc	agatgtacgg	acgccaggag	360
tacgtgcgag	agctagaaag	acggagaagt	tccaactggt	tcaacgagtg	ggtttaccga	420
ctgattggca	tttccgaggc	tgcgaatata	acgggtgtga	acccacacct	cgagacaggt	480
catcgctacg	aatacggaat	cggcggtgat	tttgaatcgc	gtgtattctt	caacacacac	540
aaatcgaaga	aggatgtcga	atggctccaa	taccacgata	ttccccggac	ttcttccgtc	600
cagatgaagc	acggcattcc	tccggagagg	cgtctgctgc	ttctctccga	tctcgccagt	660
ccgagactgc	gcaatccctt	tgttcaacct	ttgttcggca	aagacgaaca	ggtcaaacca	720
gagttcaact	ccacctcga	cgctcttcca	aaccacgga	atcatacatg	gcgtaacatg	780
cccttgctga	cgaatatcca	ctcggcgctc	gtgccggccc	tgatccatct	cgacgaggaa	840
aagccagccg	aggatgacaa	agcgtggccg	gtgaagcacc	ccgaacgatt	gatacgagat	900
acctggtggt	acaacatgtg	gtaccagccg	tgggctcgcg	cccttctccg	caagtacatg	960
cgtagcccta	ctggattcga	tgtgcgcaaa	tctgccctgc	tgggaggtca	agactggtgg	1020
gatcttcgcg	gccgcaaggg	aggcgtttgg	acggacaagg	gagagtggct	cgactatgcg	1080
gaggtctgca	cgggcttcga	aggagaggtt	ttcgacgatg	atctggggca	atggggccac	1140
gaaggcgggg	acccggacga	gcctgtgtac	aaccagttcg	gcaaactggt	caaaggcaaa	1200
ggtgaaaagc	aggacaagcc	tggtcagggg	aaagatgact	ctgcggacag	acaacctggc	1260
cgaccgcaaa	gatga					1275

<210> 8467

<211> 723

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (98)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8467

ggacctgtac	gtttgcgacc	cttcggcaaa	gcaccacgga	ttcaagtcac	gggacgactt	60
cttaacttgt	tttttcgcga	gggggtcaga	ccgttgngt	tgcttaagaa	tacatggtcc	120
tgccaaggca	tggaggcgca	gccctccaag	tggctcacia	cgtcaaagag	cgagacatgt	180
ctggatcaaa	gaacaacctt	attcggttcg	cgatatgctg	accacgacga	gttcacgccg	240
cagtttgtcg	gcggaactgt	ctaccaagcg	ttcttgagcg	cgctcagtta	tcaccgctgg	300
cattcgcttg	tcagtggcaa	gggtgtcaaa	gcatctgtcg	tgggaaggac	gtactactcc	360
gaccgcgttg	ttgagggcgt	gggggatccg	tcgccccatc	agatcgacct	ctccggccag	420
gtcaccgccc	aggagtataa	cagcgccacg	gcaacgagag	caatgatctt	catagaggca	480
gatcaccctg	ccattggcct	catgtgcttc	atgggcatcg	gaatgtgcga	ggtttccaca	540
tgcgagatca	cagtcaagga	aggtcagcat	ctgaagaagg	gcgaccagct	cggtatgttc	600
cactttggag	ggtcgacgca	ttgcctgctc	ttccggaagg	acgtcaagggt	ggagggatcc	660
ccggatcctt	cgcgagggtca	gaacgtgcct	gtccgaagct	atctggccaa	ggttcagcct	720
tag						723

<210> 8468

<211> 837

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (658)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8468

aacagcgctcg	gaaaatggat	gccctcgagc	cacgccgcac	acctggaatg	gctcggcgga	60
gtcatcacac	atgttgacaa	gaacacgtcc	catcaattgc	accccgttct	gcaagaattc	120
aaagagctga	tcgaaaccaa	ttcgcgcgtc	tacctgctca	tctctgccat	gttcgcgcgag	180
atccctcgta	aacggccata	caggaccgat	ccgacaggct	gcgccagat	ccgcgactac	240
caccacctcc	tgcaagtctt	gaactacctt	ctgacgacgg	cccctagctg	gaacgacttt	300
tcgcatcgcg	ttggtctcgt	tgggtctccc	atcaatgcag	tgctggactg	gagcatgggg	360
acgcctagcg	gctacgccgc	atatctggat	cccgaaatca	acaggatggt	caagaagatt	420
ctcagtgcgt	ggggagacta	cctcaagtct	cccaagtccg	cctcggtcct	caacgacact	480
tcacgcggt	ggttcggctc	cacggccagg	tccgatctgg	aggaagtcgg	taacgttggc	540
gagaccagcc	attcctttga	ggacctgtac	gtttgcgacc	cttcggcaaa	gcaccacgga	600
ttcaagtcac	gggacgactt	cttaacttgt	tttttcgcga	gggggtcaga	ccgttgngt	660
tgcttaagaa	tacatggtcc	tgccaaggca	tggaggcgca	gccctccaag	tggtcacaaa	720
cgtcaaagag	cgagacatgt	ctggatcaaa	gaacaaccct	attcggttcg	cgatatgctg	780
accacgacga	gttcacgcgc	cagtttgtcg	gcggaactgt	ctaccaagcg	ttcttga	837

<210> 8469

<211> 294

<212> DNA

<213> A.fumigatus

<400> 8469						
gatctacgct	cggggctgtc	tactactctt	ctcggttctc	tcgttgctgt	gggctcttcc	60
gaggctgcct	gccatggcta	ctgtaggtag	agcaacacaa	gagttttctc	tttcgtatta	120
agaaatacca	ttatcgttca	agtctatctg	aagtctatgt	acgaagtgcg	cagaatgctt	180
ctttccgcct	ataaactcgt	cttccccctc	gactcatacc	caatcagcag	aaccaccaac	240
ccacctacaa	caaacaaccc	cccgttcaca	tacaccggca	cactgggtctt	caga	294

<210> 8470

<211> 261

<212> DNA

<213> A.fumigatus

<400> 8470						
aggcgtaccg	gcgccagttt	ggtctttaat	ctagatgtca	cgcagtggag	gtcagcagat	60
gaaaatgagg	gtaagggaga	tgctatggac	ggttttatnt	gggtaagctt	tagccacggc	120
cacgaaaaag	aagaacaaa	atggaaggga	aaagcaagat	gcgcggctgt	agcgctagcc	180
ggcttgcagt	gcctggaata	tcagcagacg	caaaaaggaa	taattaccat	cttttgggtg	240
gaacccttgg	tcaacgtgta	g				261

<210> 8471

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8471						
actgccagtc	ccgcaccgaa	tgccgcttcg	ccgtcctccg	cctcggacac	taagaagttg	60
aataccgaaa	tctatgttgc	tgacggcgat	tacatcaaag	acattgaaat	caatgacctg	120
cgcaaccgct	acacgttgac	caagggttcc	acccaaaaga	tggttaattat	tcctttttgc	180
gtctgctga						189

<210> 8472

<211> 195

<212> DNA

<213> A.fumigatus

<400> 8472

aacccgcgcg	tgtacctcca	cgtaaccagc	acgaccaaag	aaggcctcga	aaaggctgtg	60
gccctgatcg	acgaactgat	gcagaaggag	ctaccaaadc	tcgttgatga	gagacgattc	120
cgccggcgtg	agccggatca	agttgagcgc	gatgaatacg	gccgtgatag	ctctcgttca	180
cttggtcaca	tctga					195

<210> 8473

<211> 234

<212> DNA

<213> A.fumigatus

<400> 8473

gaaggcgcta	attgcgtaca	gcgtaaatgg	cccgaggaac	ggattccggt	tgacctagaa	60
ccgatccctg	gattcaatct	ccgcgcccac	gttgctcgac	aaggaggtgc	atatgtgaaa	120
cacattcaac	agaagactcg	ttgcaagggtg	caaatacaagg	gtcgtggctc	cggtttcttg	180
gaaccaagca	ccggcgaggga	aagtgatgag	cccatgtttt	tgacgtagc	gtga	234

<210> 8474

<211> 465

<212> DNA

<213> A.fumigatus

<400> 8474

gtctgctcag	cggcttggtg	cttgcccaga	ctaactgatt	tgacccttgc	agctgatttc	60
ggtttctcgc	ccaaacttac	ggaatcaaag	agcaaactgc	caacaatggg	cggctactct	120
tactggatgg	caccggaagt	cgtcaagcag	aaggaatacg	ggcccaaagt	cgattgttgg	180
tcattgggaa	tcattggccat	tgagatgatt	gagtcgcgagc	ccccctatct	gaatgaggag	240
ccactgaagg	cgttggtacct	gatcgccacg	aacggaactc	cacgcttgaa	gaagcccgaa	300
aagctgagta	gggagctcaa	atccttcctc	agtgtctgcc	tctgtgtcga	tgtcaacagc	360
cgcgcgaccg	ccgacgaact	cttagaacat	gacttcctca	agacaggctg	cagcctggca	420
agcctagctg	aacttcctcg	ttggaagaag	aacagcggcc	agtga		465

<210> 8475

<211> 264

<212> DNA

<213> A.fumigatus

<400> 8475

ctaccagaaa	aggcagagca	ttccccgaac	aatacacctt	gggaggattg	tctccccctc	60
ctccagaacc	cacttcccag	catccaatct	aacgctgtct	ccagctcaaa	cctcctcctc	120
cttccagggt	ctcccacgaa	tggaagggt	gcctcctctc	ctcttcccgg	aaaaaacaaa	180
tataaccggg	gagaattaac	ccttcccac	cctccaagtt	taaatttttt	tgggatcccg	240
gccaaattcg	gaaaatataa	ccac				264

<210> 8476

<211> 237

<212> DNA

<213> A.fumigatus

<400> 8476

gtttggcgca	gaaaccgaaa	tcagctgcaa	gggtcaaadc	agttagtctg	ggcaagatcc	60
aagccgctga	gcagacttac	taatcttgac	atgaccagcg	cgatccagaa	ggacattatc	120
actcttgata	tcacgatgga	taatattctg	accatgaagg	tgggccagac	ccttgcaagt	180
ctgggtacac	agtcagcatc	ccagcaactc	ccgttcagat	attttttgca	catttga	237

<210> 8477

<211> 330

<212> DNA

<213> A.fumigatus

<400> 8477

ctgggtcgctc	cgacatctac	ttcctccggc	ggtcgatacg	aagttcagtc	ggtcgggtcga	60
aagggcacgt	cgaagcgcac	tgataatgaa	gctcctcaaa	tgcgaaaatc	acttgggact	120
acacgggcta	cgactgacga	ggatgtcttg	gagaaatggg	acgaaggtct	aagtgacgac	180
agtaattcct	cctccaacga	cgaggacacc	atagagactc	agggatcct	gcccgagaac	240
cgaccttcac	tggtatcggt	tgaggtgctg	aatgccttcc	gcgagttaaa	ggaccagttc	300
gacgagaagt	tccatgctat	ctttgcttag				330

<210> 8478

<211> 384

<212> DNA

<213> A.fumigatus

<400> 8478

tgtttgaagc	tgcagaaatc	ttgcatacag	gatacgtttg	atacagcctc	ccagttgatc	60
acatacctta	ccgacatgaa	tccatctggt	tcgtcttcca	ttggtggtaa	caggtcggaa	120
gagtctacgc	ctcgaagagt	ctccgggtaca	gtgtggcacc	cggttagaga	gtggcttgaa	180
caggacgagg	aggaagacga	catggattat	gaaccggagt	ccgaggttac	ggaagataga	240
gatgaggatg	gatatgaaaa	tgaagatcaa	aatgaagatg	aagatgaagg	tcacttcggt	300
agctttgccc	gcaatggact	gctgttttta	tcatacgaga	ctaactcttg	gtcgaacgat	360
ttgaagaccc	tcacttgctg	ctag				384

<210> 8479

<211> 438

<212> DNA

<213> A.fumigatus

<400> 8479

gttctcgacc	tcctgcgacg	gaaaaggagc	tttgtattaa	tttgggtgggc	ctctcaggat	60
ctgatacctg	gttccgccgc	agacaagatt	attcattatg	actcgcgatg	ttattcgggt	120
caattttctg	acgacggtaa	cttcttcttc	tgtgtgcgc	aggacttcaa	agttcggatg	180
tacgatacat	ctaattccatt	cgagtggaa	tactacaaga	ctgtcgacta	tccatttggc	240
cagtggacca	ttaccgatgc	gagcttgagt	ccagacaaca	agttcttggc	atatacatcc	300
attagaaata	tcgtctgcct	tgcaccgaca	gaccagctg	accaatccga	cccctctgtg	360
ttggacctgt	ccttaggccg	tgttgggcgc	ggcttccacg	acagctcgca	tagtgcggtg	420
cgcaccccca	taaaatga					438

<210> 8480

<211> 270

<212> DNA

<213> A.fumigatus

<400> 8480

tctactacgc	tacatagtag	tatcacatac	atcttctttc	tgaatcacia	cacatttgcc	60
tacctggaat	atggctcccc	cgacgagtc	cgtcacccaa	ccaactctcg	cacacacagt	120
ctcaaaagtg	cttctgtgga	agcctcacc	cattcttttc	aacagatttt	cagtgaatt	180
ggtgacaaga	ttccaaaaat	caaagagttt	accgaactta	tctacgaaaa	cataactcgg	240
aagatggttc	attgggtctg	cagtcactag				270

<210> 8481

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8481
 aagctgctat tttgggcgaa aacaatgatt tatgtattat tgcattacct aggcgcaatg 60
 gacagctgta gtcttctgat gtgtgatgcg ttttctactga ggacaatcct gatgtatatg 120
 cagcctaaca aggatatggg agaagacatt gatatcatca aacgcgacac accagctttt 180
 gaccagaaac tttcttttcc ttaa 204

<210> 8482
 <211> 810
 <212> DNA
 <213> A.fumigatus

<400> 8482
 tcagagagaa cacagctcca tcgcaaaaaac atgatgccag cattcacagt cccgcacgtc 60
 cgaaaattaa ccagcatctt ctggggccaaa gctcaggaaa tgggtgcgctg catgtcgaac 120
 gagctccgcg cagactcctt cgcccggatc gacttccgcg agtacatgtc tagggctaca 180
 ctcaataaca tcgggctggc ggggatgggc cacttctccg agacgctcaa gcagcccgat 240
 accgacctgc gcagccacca caggaaactg atcctcgacc cgactcgcgt gtttagctgg 300
 gtggggctgc tgagtgggta cttcgacatg agactattga tgagggtgcc gcttaagaag 360
 ttgatcgaga tctcgcaatc ggcgaaagtac ctccgtgaac tcacgacggc ggttattcaa 420
 gggagaagag agcagctggg tgtggctgag aacaacaggg gtaaggatat catcactgtt 480
 gctctcgag gcggtggttt tgacgaacac catgtagtgc accacgtcat gaccttttta 540
 accgcaggcc acgagtccac cgccacggct tttgaatgga cgatgtacga gttaggccgc 600
 cggccggaga tgcagagccg gttaagagac gagctgcgag cgacaatagg cacagatctg 660
 gcggccgtta actttggatt acgggtccag aatctgcctt acttgaatgc attctgcagt 720
 gaagtgtctc ggtgctatcc cttgtcgccg attatcgtaa aatcgacca aaggaatttt 780
 caccagacgg cgccaaggat aagcgggagg 810

<210> 8483
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 8483
 cgtcgaagaa ttctgacagg gaactaccca gtctgttctc ccgataacgc atggggttctt 60
 ctgcgggaac ttgccgaaac caccctaac gacggtctcc tccgaatcta ctctgcgttg 120
 agcggcgagg cctctctggg gacaagcccg ccagccatca gagacatgct cacagtcaat 180
 gcctttgact tcaccacca ggacctcgtc aagattgcta tcagacgatt cacaggtagc 240
 aatcttggtt tccttagcaa tgatgaattc aaggcatgta aacaacacat tgcccctggg 300
 ctagtagctg atcagagaga acacagctcc atcgcaaaaa catga 345

<210> 8484
 <211> 696
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (76)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8484
 tgcttactag attcccagca gcacatcaag cattggaatt tcgtcgctaa ttttccggtc 60
 tttttcctgt tcctgntact tatttatatt cctactatgt ccgagctacc gtccagtcaa 120
 cccgcatca tcgagagcga tgatgggtaca ctgggcctac gcaacgatgt ccaaattgcca 180
 tcactagaag acgacatgat cctagtggag aacgccttcg tcgccctaaa cccaattgac 240

```

accaaaatgg tcggcaagct tgcaagtcct ggcgcaatag ccggaagga tttcgcaggc 300
gaagtcgtct ccattggggc caaagtccea accgccgcac ccatcaagcc gggtgaccga 360
atctgcggcg cagtgccggg gatgcactct ctcaactctg cggtgggcgc gtttgccgag 420
tatgttggcg cgacggatct tactgccata aagatcccgg aatacatgtc ccttgaagaa 480
gcagtaaccc tgggaagtgg gattgggact attggacttg cgctgtttaa atcactggat 540
gttcctggat cgccttgggt gccggctgac aaaccgggtg atgtgctggt gtatgggtgg 600
agcactgcga ctgggactct ggctattcag ttgctcaaac tgtacgttac agtatcagtc 660
tgttattctc ttagaagtaa atacctacta acttaa 696

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<210> 8485

<211> 447

<212> DNA

<213> *A.fumigatus*

<400> 8485

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ccttcagat cgggcgtgaa tcccataaca acctgctcac cgaccaagtt cgacctcgtg 60
aaatcctacg gcgccactgc tgcgttcgac taccgtcaga agacatgcgc agacgatatc 120
cgcaagtaca ctcgaaatc actcaaattc gtccctcgact gcatttctga gccagagaca 180
atgcagttct gctacaaatg cctcggccgg tggggggggg ggggggaata caccgcattg 240
gaaccttacc gtaagttcgt acatacccgg ccgaagacgg ttgtgccaga ttgggtgctt 300
ggcccgacgc tgctggggaa aaggcttaac tggccagagc cgtttggtgg ggaggggaac 360
gaggagtaca gaaggtttgg gttcaagtgg ttttaagctgg tgcaggagtt ggctggatca 420
aggggaagttg aagacgcac cgcataa 447

```

<210> 8486

<211> 849

<212> DNA

<213> *A.fumigatus*

<400> 8486

```

aggatatatt ctccagctcg ctctccccga atgcaccag caaacacgaa agatcctatt 60
tgggcaacag tggagagctc tgcattcttc atccgtgatc accatactgg caatgagatt 120
attatcttcg gtgacgtcga acccgactgt gtctcgcttg acccacgcaa taaacgcgtc 180
tgggaggcag cagcacgcaa aattgcgacc ggtaaattgc gcgccatctt cattgaatgc 240
tcatatgacg attctgtcga ggatgcaact ttatacggtc atctatgtcc gcgacaccta 300
attgcggaac tgacgttgct gccggggaag gttatggaag cccggcacc gcgcatggcg 360
atatcgagta tcggaaagcg taaacactca gactctaaca ggtatggcgg cagtgggtggc 420
caagtgcgac cgaaatccaa gcgtttccaa agcttctccg ttgcagctgg caagagggcc 480
gacatggatt ctgttacggt tgacatgcga ccacgattct actcaaccgc ggaaggcttg 540
gctgagatcc ctgagctggt tcatgacgag ccgacaccga gctaccacga gcctgacgat 600
gtaagcgata ctgaaaattc ggtggatcct gcaccacagt ccaccagccc tggagaagct 660
cagaccagtg actctgggca gcttccgctg tccgggtttat ctatctacat catacacatc 720
aaagaagatc tgaccgatga tatccctccc cgagaacgaa ttttacaaca gcttcgatcc 780
cgaggcgaag ccgctagact aggcctgcgag ttctacgctc cccatcgcgg agaaggcatt 840
tgggtttga 849

```

<210> 8487

<211> 420

<212> DNA

<213> *A.fumigatus*

<400> 8487

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ctgacatctt gtctcatgaa ggggtcccac ggaggtcctc gtgaagacag cctcactgga 60
cttcttgctc gatcaacgtc gacgaactgg tcgacgaatt cggtgattgc ggttgacgcg 120
ggtagccctg tttcagggat tattcacact ctggagcaat acaatgcgga attaagagat 180
ggctcgata tgatgaatga agggcctttt gccggcctca gaatgcctca caagtctgct 240

```

caagccaatg	ctgcacatat	tttccgagac	atcattggag	ctgtcctgat	cacacatgct	300
cacttggatc	acctgtccgg	cctggcgatc	aacacgcca	tgcttgaagc	aggaaacggg	360
cccaaactt	tggccgctct	accgctcaat	tgctcgctgcc	ataaaaaacc	atatgcttaa	420

<210> 8488

<211> 576

<212> DNA

<213> A.fumigatus

<400> 8488

acctgtgctc	tgtcaagaat	acaaattccc	tggcccagag	catcgatcaa	gcgagcgggc	60
atcaattcct	ttggccatgg	aggaactagc	tgccatataa	tcatcgagga	tgcccagcaa	120
ttgttggacg	cacgaggaat	tattcccat	ggacgatcct	ttctatccac	ctcaacgagt	180
tcattggatgg	atgaagatga	tgacgaggat	catgcagcct	cccaatccac	tccatgcacc	240
tctcatatct	tgcttatctc	tgcccaggac	ccgttatcac	tacggtgcaa	tgaaagagag	300
attctaaggc	atctggctag	cctggatgtc	cgagttgact	tggggaactt	agcttatact	360
ctctctcatc	gacggagtca	tcattgccat	cgagcctatg	cagtggtaac	tagttccgct	420
ctctcccagg	cacggtttgt	ggatgggaag	atcttggccc	gggaacctag	aattggcttc	480
gttttcacgg	ggcaggggaag	ccaatggccc	caagatgggg	actgcactca	tcaaatcatt	540
ccccgaagct	gcgaggcgca	tcaagcccct	ggataa			576

<210> 8489

<211> 441

<212> DNA

<213> A.fumigatus

<400> 8489

cccctgaagc	gcatgagaag	gagcgggtgat	aaggcggaga	tggatccgca	aaccatttcc	60
aaatacttca	taggattgga	agacaggggtc	catattgctt	gtcataatag	tcccaccaac	120
gttacacttg	cggggggtcct	ttccgccttg	gaggaggtgc	aggcacgttt	acggcaagac	180
gatcatgcat	gccgtatgct	acaggttgat	atcccttacc	attccaagtt	cgtcgcggcc	240
actgcagagg	catttgagca	gttcaactctt	caagagaggc	cgttggtgca	agagttaggc	300
tgcagcggag	gcgtcacaaa	tgctgtcgac	cgtcactggc	agccgattgg	agggccggac	360
ttgcaacagc	tcatactgga	gagccaactt	ggagtctcca	gttttattcc	gtcacgcaat	420
ggaagctatc	ctccgtcatg	a				441

<210> 8490

<211> 354

<212> DNA

<213> A.fumigatus

<400> 8490

gctgcagcgg	aggcgtcaca	aatgctgtcg	accgtcactg	gcagccgatt	ggagggccgg	60
acttgcaaca	gtcactactg	gagagccaac	ttggagtctc	cagttttatt	ccgtcacgca	120
atggaagcta	tcctccgtca	tgatcaacac	cccgatattc	ttattgagat	tggcccaagt	180
gacacactga	gacgcccagt	catgaaacca	aagcacagtc	tcggccaggg	agatgggccc	240
ctgaaggaca	ctgacatcca	gtatctatcg	gctcttcata	ggggcgacat	gtcggccgac	300
cacatgttac	acatcgtcta	cacgccgggc	atggaagtat	tgagtcccc	cgga	354

<210> 8491

<211> 306

<212> DNA

<213> A.fumigatus

<400> 8491

aactgcacag	acgaactgac	ccacgcaagg	gaccctgaag	ttgttcgccg	gccggaattt	60
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tcagagcccc	tgagcgcggc	cctcgagctc	gctatcctag	ctgtaatgga	aaatcacagc	120
gttcgccctc	actgggttgt	gggacactct	tctggcgaga	ttgcagctgc	ctatgtggct	180
ggattttttg	cttttagagga	tgcaatcaag	attgcttact	tccgtgggca	agccgcgcag	240
ggagcctgcg	ataccgtgaa	ggagaggatg	ggtatgacct	ctgaagcgca	tgagaaggag	300
cggtga						306

<210> 8492

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8492

cttggagtgc	cgggaattga	gccttcctct	atggacaaca	cgattttgat	cagacctgat	60
agtccagacg	ttgcttcgga	atcgccaagg	ttacttttta	tctacaatgc	gggtgaggtc	120
aaccatctaa	atggatactt	tgtggtcgag	gaccttaccg	agccacgat	gagcggatcg	180
tccatgctcg	tcttcacaca	cagcacggcg	ccgatctaa			219

<210> 8493

<211> 1380

<212> DNA

<213> A.fumigatus

<400> 8493

ctcgcgatgg	cgattttctgc	aacgatatct	ggtgctcatg	cgattcttct	agcaacgcag	60
ttctgtgcc	ctggcaatgt	cgttcatctg	ccactcctcc	acgccaatt	tcccagctat	120
ttatccttgg	agcgtctctt	gcgcattatc	ttgacctttc	ttccggagag	catagagccg	180
caggcgtata	cctctgtgct	tcaagaacta	gtgtccggtt	cctcgatcgg	gccgactgaa	240
ggtgacgttg	atgtatctgc	cgtccaagac	cttcccgcga	ctgttgcgag	aaaacgagtc	300
cggaagcttc	gtctactgcc	gctgagacac	cctgatgacg	aggatagcga	gccttctgac	360
ctcttaactc	aatttcttat	ccatcggtcg	catcgcatag	attccgagac	cggtcttcag	420
ccacttatcc	ttgaccttct	tctgccattc	taccaacgct	cgaccacagt	gcgcacgtgg	480
ttgatttcaa	gcattctgcc	gctcctccga	ttgaactgcg	agtattacc	gagccaggat	540
gagatgtttt	ccctgaatac	attagagtgc	atggacgatg	caaccgcggt	caacgttctg	600
ctctctatga	cgagtccaag	aaaagacaag	atggacatcg	cgaggaacct	ccgtggactg	660
gtgggtgctg	ggatctatgg	cagcaatcgt	gcgaaacggc	gcaggctcag	tgaggctgca	720
aatcagagtgc	cgatattcct	ttcccgcgac	aaccaccgcc	cgaagacgac	aacagattct	780
atatggcaac	aggtaaata	atggctgctg	tgcgatagct	tgggtggaaca	tgataactaca	840
gtcaacgcct	ttgttcattg	ggatggggcc	ggggatgtgg	accttgagg	ctacgaagag	900
gagaatcaac	aaccaacaca	ggacgaattg	accgaaatgc	ggactcggta	tggccagact	960
ggccttgccg	ttgtgtacgc	aaaccctgat	acgagcagtt	cctctctggg	aaggttcaat	1020
gcagattgtt	gcgaggggtg	ctcagttact	caatctccag	gactctctgt	ttgttctcca	1080
caaggattca	gcgctccctt	cggtgacttt	cgatgcgggc	gagatcccg	ccacatcaag	1140
agtcacattg	ttacaaaatg	ccttactact	gagttcgaat	ccgttgacgc	ttccgtctgt	1200
ttcgctcggtc	tcgttcttga	gcgcactact	tctctctttg	caggtgctgc	atggaatggg	1260
cgtttcaata	ccctgcaggc	aagctgcaaa	cctgtgcttg	cacagcaccg	aggacatgca	1320
acttgacagag	cttcgcagta	cggttggttc	ggttgccaag	caggtcactc	ctggtcgtga	1380

<210> 8494

<211> 423

<212> DNA

<213> A.fumigatus

<400> 8494

ttgattactt	acctcgctcc	atgcaacggc	gactgtgcc	ccgtggacaa	gaccaccctg	60
aagtttgtca	agatcgccgc	tcaaggcttg	atcgacggct	ccaaccacc	tggtgtttgg	120
gctgatgatg	aaatgatcgc	caacaacaac	acggccacag	tgaccattcc	tgctcctat	180

gcccccgga	actacgtcct	tcgccacgag	atcatcgccc	ttcactctgc	gggtaacctg	240
aacggcgcg	agaactaccc	ccagtgtttc	aacatccaaa	tcaccgggtg	cggcagtgct	300
cagggatctg	gcaccgctgg	cacgtccctg	tacaagaata	ctgatcctgg	catcaagttt	360
gacatctact	cggatctgag	cgggtggatac	cctattcctg	gtcctgcact	gttcaacgct	420
taa						423

<210> 8495

<211> 303

<212> DNA

<213> A.fumigatus

<400> 8495

accacacaaa	tgacagctgc	aacagctaac	ttctattcca	gttacggagg	gtaccttggt	60
aaccaatacc	cctacatgag	caaccctccc	gacaccattg	cctgggtccac	caccgccacc	120
gacctcggt	ttgtggacgg	caccggctac	cagtctccgg	atattatctg	ccacagagac	180
gcaaagaatg	gcaagttgac	cgcaaccggt	gcagccggtt	cacagatcga	attccagtg	240
acgacgtggc	cagagtctca	ccatggaccg	gtacgacgcc	gaagagaaga	gaacataatg	300
tga						303

<210> 8496

<211> 696

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (515), (607)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8496

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gccagtggac	acgcgcggat	cacctatcca	tcggaatgga	ccgcaccggt	aagaacggga	120
caaagttctc	gggccagtac	cccgcggaag	tcgcagcgat	gtacgaaaat	atcgagacca	180
cacccgacaa	cctgctgctc	tggttccacc	acgtcaacta	caccagcgt	ctgcactccg	240
gcaaaaccgt	catccagcac	ttctacgatg	cgcattacac	cggcgccgag	acgggtcaaa	300
ccttcgtctc	acagtgggag	tcgctcagag	aacgcattga	tcgagagcgc	taccagcacg	360
tcttcactcg	cctcatctac	caagcggggc	attcgatcgt	ctggcgtgac	gccatcaaca	420
acttctacca	taatctctcg	gggatcgccg	acgaaaagca	gcgagtggga	caccaccct	480
ggcgtgtcga	agcggaggac	atgcagctcg	atggntacgt	gccatacgcc	gttagtccgt	540
tcgagaccgc	gtccaaatac	actgctatcg	tactgcac	aaatggcacc	accggaacag	600
cgagcgnatc	gctggacttc	aagacaggca	cgtacgattt	gggcatcaac	tactacgata	660
tgtacggggg	caagtctcac	tggacgggtg	atctga			696

<210> 8497

<211> 1137

<212> DNA

<213> A.fumigatus

<400> 8497

tccttccagc	cccgtggtga	agacctggac	aggaactcca	agatggtctg	caccagaatc	60
cttggaagac	atgcttccgt	caagtccacc	ggctgctcga	ccgactcgtc	gatcattgtc	120
ggcacggctg	aggcgtatcg	gcaggtctgc	aacgctggcc	gccaggtacc	gcaactcgac	180
gtcgacgggt	tctggctcag	catcagggaa	aagtcagtac	tgattgttgg	ccagagtggg	240
cgaggggctt	tgtacgggtg	atacaggtac	ctttcgatgc	tggcgcaagg	caatttctcg	300
caggtctcgt	atgccaccag	tccgcatcg	cccattccgt	gggtcaacca	gtgggataac	360
atggatggta	gcatacgagc	aggctacgg	ggaccttcga	tctttttcaa	ggatggcgtg	420

attcgtcagg	acctctctcg	tgtccagcag	tatgcccgtc	tgttggttcc	ggtacgcata	480
aacggcatca	tcgtcaacaa	tgtcaatgcy	aatgcctcac	ttctcatgcc	ctcgaatatg	540
gacgggttgg	ctcgaatcgc	cgatatcttc	cgccctacg	ggattcgagt	cggcatttct	600
ctcaacttcg	cgtctccctc	gactcttggc	aatctcagca	cctacgatcc	cttcgactcc	660
tccgtcatcg	cttggtgggg	caacgtcacg	gatcagctgt	acgcgcgcac	cccggatatg	720
gcagggtatc	tgggtcaaagc	caactccgaa	ggccagcccg	gccaaccac	atataatcgc	780
acccttgccg	acgggggcaa	catgtttgca	cgccgcttca	agccgtacgg	gggtgtgggtc	840
atgttccgtg	cctttgtgta	cgaccaccat	attagcgaag	acaattggta	caacgaccgc	900
gcgaacgcag	cagtagactt	tttcaagccg	cttgatggca	aatttgacga	caatgtggta	960
ctgcagatca	agtacggacc	cattgacttc	caggtccgcg	agcccgcttc	gcccctgttt	1020
gccaacctgt	tcaagaccaa	cacatcaatc	gagttgcaaa	ggaacccagg	agaatctccg	1080
acagcagtca	catctgggtg	acttgccctc	actctggcaa	acgatcctgg	ggtttga	1137

<210> 8498

<211> 1455

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1059), (1151)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8498

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gaccatttga	cttccaggtc	cgcgagcccg	cctcgcccct	gtttgccaac	ctgttcaaga	120
ccaacacatc	aatcgagttg	caaaggaacc	caggagaatc	tccgacagca	gtcacatctg	180
gtgtacttgc	ctccactctg	gcaaacgata	ctgggggttg	atctccgtgt	cgaccagaaa	240
cctcccctgg	tgcgagacat	catctcggga	cagcgatttg	acagaccctt	ggcgggctgg	300
gcggcgagttg	tcaatgtcgg	taccaacagt	acctggcttg	gcagtcattc	ggccatgtcg	360
aatctgtacg	cttatggctg	gctggccttg	gagccgagcg	tagattcgga	ggacatcgct	420
caggacttga	tccgcttcac	gtttggcttg	gatcgccgca	tcgtcgatac	tctcacgcaa	480
atgtccatgg	agtccctggc	tgcgtacgag	aactactcgg	gcaacctcgg	catccaaacg	540
ctgaccgaca	tccgtgtacac	acattacggg	cgaacccag	cctctcagga	cggcaacggg	600
tggggccagt	ggacacgcgc	ggatcaccta	tccatcgga	tggaccgcac	cgtaagaac	660
gggacaaagt	tctcggggca	gtaccccgcc	gaagtcgcag	cgatgtacga	aaatatcgag	720
accacacccg	acaacctgct	gctctgggtc	caccacgtca	actacacca	gcgtctgcac	780
tccggcaaaa	ccgtcatcca	gcacttctac	gatgcgcatt	acaccggcgc	cgagacggct	840
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cacgtcctca	ctgcctcat	ctaccaagcg	gggcattcga	tcgtctggcg	tgacgccatc	960
aacaacttct	accataatct	ctcggggatc	gccgacgaaa	agcagcgagt	gggacaccac	1020
ccctggcggtg	tccaagcgga	ggacatgcag	ctcgatggnt	acgtgccata	cgccgttagt	1080
ccgttcgaga	ccgcgtccaa	atacactgct	atcgtcactg	catcaaattg	caccaccgga	1140
acagcgagcg	ntacgctgga	cttcaagaca	ggcagtcacg	atttgggcat	caactactac	1200
gatatgtacg	ggggcaagtc	tactgggacg	gtgtatctga	atgatcgctg	tgtgggacaa	1260
tggcagggga	acagcgagga	tgtgctgagc	catacgcttc	cgatttatct	ggatggacac	1320
tccgctacgc	gcattacctt	ccgggacgtg	aagatccaca	agggggatcg	gctgaagatt	1380
gtgggtaagc	cggatggagt	ggaacggcgc	ccgctggact	atgtggtggt	gctgccacaa	1440
ggaattgtag	attag					1455

<210> 8499

<211> 378

<212> DNA

<213> A.fumigatus

<400> 8499

gcggccttaca	aactaccata	cacatctcaa	atgatggcac	agctgatgca	acagaaccaa	60
aaggteectct	tgctgatccc	atgctcaatt	acagaagtcc	tacttaggat	cttcgatcat	120
gaatcttctt	ccggaagaag	gtgcaaagga	aaacagcgag	gaaaggaaga	ctatctggcc	180
ggcgtgggtca	aattgctgtc	gtctgcgtgg	tgtaccatac	atcatatatt	tctcttcgt	240
tgcttggtgta	agagacgtga	gtatgttcac	cgatgcatta	tcttctatgc	aatctctaaa	300
ctaggatctt	attcaccaat	cactctgcag	acattcttga	tggggacgag	ccaactgcgc	360
gacagaacac	aactatga					378

<210> 8500

<211> 456

<212> DNA

<213> A.fumigatus

<400> 8500

tgccgatcat	ttctccaagg	aatgtctgtc	ctgggttccc	ctcatagttt	acggccagga	60
atgcaagggg	ctttcccatc	aagcagtgat	cgacccaatg	ttttgattat	gagctgctta	120
aatacatccc	gcataatcgc	tattcttttc	cgtccacctc	catcaccacc	actctctgaa	180
aattccatca	tgtatctcac	ccagagcctc	acactgggtg	ccctggcgac	agccaccctc	240
gcattccaga	tccccgactc	caaaccaccc	tccactaagc	acaccgacga	ccaaaccacc	300
agccccgttg	tccgcgacat	cttccaattc	ccagacaacg	gtctcttcat	tgacaacatc	360
gccgtccgcc	cagacggcac	cctcctgctc	acccgcacgc	acgtccccga	agtttggggc	420
gtggaccgcg	aaaccggctc	cgggggagcta	gcctaa			456

<210> 8501

<211> 846

<212> DNA

<213> A.fumigatus

<400> 8501

tccttcgccc	agcaaagcag	cgacagcgac	agcaacagca	acagcgacat	caccgccgtc	60
ttcggcatca	ccgaagtcga	gcatacgtc	ttcgcggttg	tcgccggcaa	gttcgcgctc	120
gagggcttcg	ccgccgagca	agggctcctc	ggcgtctgga	aattggactt	taacgataac	180
agcaactatg	acgtgctgga	gctgccgtgg	tggggcggaag	ggaaatttcc	cctgaccaga	240
aacacgccc	gcgaggtcag	caagatagtc	gacatccccg	aggcgaaggc	gctgggtgct	300
agtacettgt	acaagccccg	tcatgatgct	cggtacatgc	ttatctcgga	tagtcctgac	360
gggatgatct	ggcgggtgga	tctagactct	ggggagctatg	cggttgcgct	gcaggacgag	420
tcgatgtctg	ctgcgccgga	tgcgcccccg	atgggggtta	atgggatcca	cgtgggtggg	480
gagtatctgc	actatgtaag	tgtgacgaag	aaggagtatc	gccgggtgaa	gatcgatgag	540
aacgcgaatg	cagccggggc	gtttgagttg	attacgagtg	agatcgaccc	ggatagcttt	600
gatattacgg	acgatggaac	cgcgtacttt	gcgacgaacc	cggagaacac	gattgtcaag	660
tatacgcttg	agggcgagat	tgtggatttt	gcgggcggca	agaattcaac	tgtgcttcct	720
gggcccacct	gctgtgcgtt	ggataagaag	ggacagacac	tgtatgttgg	cacgaatggc	780
ggcctcatgg	ctccggtagg	tgggacttac	aaggagccgg	gcaagattgc	cgctatttcg	840
ctttga						846

<210> 8502

<211> 330

<212> DNA

<213> A.fumigatus

<400> 8502

atacatccc	catattcgct	attcttttcc	gtccacctcc	atcaccacca	ctctctgaaa	60
attccatcat	gtatctcacc	cagagcctca	cactgggtgtc	cctggcgaca	gccaccctcg	120
cattccagat	ccccgactcc	aaaccaccct	ccactaagca	caccgacgac	caaaccacca	180
gccccgttgt	ccgcgacatc	ttccaattcc	cagacaacgg	ctccttcatt	gacaacatcg	240
ccgtccgccc	agacggcacc	ctcctgctca	cccgcatcga	cgtccccgaa	gtttggggcg	300

tggacccgca aaccggctcc ggggagctag

330

<210> 8503

<211> 402

<212> DNA

<213> A.fumigatus

<400> 8503

gtagctcgta	tctctaacag	agttggtagt	gattccgcgt	atggagacgt	cgcaggcttc	60
ttggttgcag	acaccacgaa	caagctactt	gtggtctctt	tcagaggaag	ccgcacgata	120
gacacatggt	tggcgaactt	ggacttttggc	ctggacagta	tcagtgatgt	ttgcagcgga	180
tgtgcggtac	ataagggatt	ctggaagtcc	tgggaagtgc	ttgccaatgc	actaacgacc	240
gagctaaact	ctgcccttgc	aacttacagt	ggctataccg	ttgtctttac	tggccatagc	300
ttcggcgctg	ctcttgcaac	gctgggggct	gctacgttgc	ggaaagcagg	gattcccgtg	360
gagctggtaa	gtcatccctt	gtcaaatacag	gtaagggcgt	aa		402

<210> 8504

<211> 306

<212> DNA

<213> A.fumigatus

<400> 8504

ttgaagtatg	gttacggatc	cccgcgtggt	ggaaataagg	ccttggcaac	attcatcacc	60
ggacagggtt	ccaattaccg	tgtcacacac	acaaacgaca	ttgtccccag	actcccgcgc	120
cgagtctttg	gcttcagcca	cattagccca	gagtactgga	tcacgagcgg	tgacaacgct	180
cctgtcacga	cgtctgatgt	cacggttgtc	caggggaatcg	actcaagcgg	tggaaatgcg	240
ggcgaggatt	ctaccagcat	tgaggcccat	aattgggtata	ttggccatat	tgatggttgt	300
caataa						306

<210> 8505

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8505

ccgaccacag	gcgctgaaca	tttagttgct	acgtttaagg	gacatggagg	aaacctaagt	60
ggatatttag	attctatcat	caagtcgttg	catattttgc	gacagatcta	tctacagccc	120
atgcagaaac	tcattttcat	ccgctggaaa	ctcaaacaac	gcaactgtcta	tatcatgcca	180
atcatctaa						189

<210> 8506

<211> 303

<212> DNA

<213> A.fumigatus

<400> 8506

tacagctggc	ctcagccgat	cggattcaaa	ttccctcttg	atctcctgca	gagacagtcg	60
ggcactatgt	tactaagaa	gtctatcgtg	acctccttg	gaggcctgtc	ggtcgcactg	120
gctcagactt	cctctgagca	gtatctttct	ctctcggaga	ttgaagctgc	tcaggctact	180
gtgctgcctc	actcacctgt	ctctaattgtc	aagggtcttg	cattcgaccg	ctttgttaac	240
atctggttgg	agaacactgt	atgtgactcc	ttgctgaact	ctaattgcca	gggattaacg	300
taa						303

<210> 8507

<211> 1527

<212> DNA

<213> A.fumigatus

<400> 8507

```

aggtcagttc tgagaacctc gttctgtgtg cttggcttac cgtcaacgga cttagatggc 60
gccgagttcc aatctctcca ctctatgatt ttccagctat cctcaaaggt aattattggg 120
agaaggcgaa atgcagtatc acaggcgga gaagcgaagc tccaacagac ctccctgctg 180
gttataagac aacttcttca agggcccgga ggtgaagaga ttgctgagtc gggcattgac 240
tccttcttgg ttgatcaact gtcttctgtc ctcgacgaag gaggtagcat cgaattacaa 300
ggggctataa tagacaccct tctctcggcg ttgaaggtcc gattcgcaca agcataccta 360
ccaccgcccc ctcccaggcc gaaacatcag cgtgcacagt cccgtgagcg gctcacaagt 420
ccgtcacttc tttcctttac cagtgataag gctgatagag gtgctttgcc tcctgttcca 480
cctcaacctc cttcccgcct cctagagtgt cttctcaaag gcacagctc taaaagttcg 540
agagatatcg tggagaagtg gactctacta ctttgtgaag ttctccctct atattcagga 600
tcctctctcc agatcctgct catgttagtg gaatgcttct gtaaggagat ccaattatca 660
tatacgaatc tccagctctc ttttagacaa accgacggtt ggccagaaga tcgttcagag 720
catgtcacca ttaccctact tactggactt gagacgtgca tagcggccgc tcacgaacgc 780
cttcttgtgg aggaagcgaa cgtaccagct gccaaaagcc ctgaccacgc tcatgggttc 840
tttggcaaca tgggtgtcagg ggtttttgcg accgactcaa accaggggcg gtcaaccgca 900
gcgaacaaca gattaacagt attattatgc ttccaggatg ccgttcgatt gtgcttttcc 960
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ccccaccgta aatctgcctt gacatcaaac ctactgaat cggagctggc gggttttctg 1320
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acatttttgc gtgacgtctt gagcaacccc ttccccatc gacagatact tccccggtta 1440
gtggaattcc ctgctattct aggagccaag atggagaata caaccttcg gcaacaatcc 1500
aacgatgaga aaggacctag gggtttag 1527

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<210> 8508

<211> 270

<212> DNA

<213> A.fumigatus

<400> 8508

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ggtttgtatc gatttctgat atctcttagg gtgtttcgca tcgtgatctt gcgacttgag 60
aatcttctct tgcgaaaaga aacactgtca gaaaatgagg gcgataacgt tgtcatttcc 120
actgacgact ataaagagtg taactacctt ctacggacaa tctacaatac cctctgctct 180
ctgtcgccca atggatggat gtctcttctt actcagacat tgaatcctgt ggataaacia 240
aaggatgggt cttctgaagg tcagtctctga 270

```

<210> 8509

<211> 654

<212> DNA

<213> A.fumigatus

<400> 8509

```

agagtaatcg caacagtcac gtacagaagt gcacgtgaat gggaaaagcg gttcggaggc 60
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ctcgatcatg ctggcgagaa attctgcctc gagtacgacc caaatagtct gctctacgtc 180
tccaaagcca tggacctgtt cgacctcagc cggctcgacg gggcagagac tgaaaagcgc 240
agacgggagt ttgaggctcg tatcgcccaa ggcggcaaga cactccgcta caacgatgcc 300
tcgtgcagct tgacattgcc cgaaaagcct tacgaggagc aaccatctac aaccgactcc 360
ggctcctcgg cggacgaggc agtcgccact ggcaaacaa cagatacacc acccgccgat 420
ctcgtcgcag gtctcgcgcc gttgaagaac caccctgtct tggatcatggg tgttgccagt 480

```

gatatcctct	tccccgcgtg	gcagcaacgt	gagatcgccg	agactcttcg	cgcggttgga	540
aataagaacg	tcgaacatat	cgagctgggc	gaggatatct	ccttattcgg	gcatgatacg	600
ttcctgcttg	acttaaaaaa	tattggcggt	gccgttgaga	ggtttttgcg	ctaa	654

<210> 8510

<211> 1800

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1603), (1604), (1643), (1703)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8510

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gcaccaacag	gaggaactgc	gccgccagga	ggagctgctg	aatcacccat	aaccacaatg	180
ccacctggag	gtgctactca	ttcaccata	accacagcgc	caacaggagg	ggctgctact	240
gggtcacgcc	caggtacttc	ttcggccgga	ggaattgctt	cgactgttcc	cccagtgtct	300
tccccaacgg	gtggaggtgt	ccctacctct	gagggaccag	gattctctcc	tgctgggggt	360
ggtgtgcctg	ccagtgcac	aaaccctttc	acagccttcg	tgctccatc	cgagtctcca	420
gttgctctta	aggtcgggac	gcaagcctgt	ccaccatgtc	ccactcctgc	tgaccaacc	480
tgcgcacccct	gtcctgctcc	tggcacaagt	actactactt	tcaccgtcac	cattactgaa	540
acagtttgca	ctggtcaggt	tactcaagga	ggaggtggcc	ccactgcac	tccaggtgtt	600
cccgccattt	cacctctatt	ctctgcaacg	ggtcctggag	ccctaacttc	gacagccgca	660
gggccaggcg	gtccacaagg	tccaaccgcg	acagaaacac	atctttcgat	tgccctcac	720
gccccggcg	gagcggcagg	cgcaaccgca	ggaccctcaa	ctcagccaac	aacttcggcg	780
actgggggttc	ccagtgtacc	acaaattccc	ggaggtggag	gtggaggcgc	agccgcagga	840
cctgcaacaa	gtctgccggt	gacttcagct	accgggggttc	ctaacatccc	tcacggtcct	900
ggaggaggcc	caagtggatt	ccccaacact	acttcaagcc	aagttgtagc	tacgaccaca	960
gaaaccattg	gttcaactgt	tccctgtct	actcacgggg	gtggagccgc	aacatccggt	1020
gctgctcaaa	cttccaggct	ttctgtgact	acaggaatca	gtttcgcaaa	cgtcacacgc	1080
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ggtgtgcccc	tttcaactcc	tattattgct	acaagcctgg	ctacaccgac	cagaccaggt	1320
gctgtctcaa	ctcctattat	tgctacaagc	ttttccacgc	cgagcggacc	tgaagtggca	1380
ccaccctctg	gaacagtagt	accaggaaca	gcagcaacac	caggtggaat	agtggcacct	1440
ggcggaggag	tagcaggtgg	tggaaacagca	gcaccacgtg	aaggagtagc	atctcgtgga	1500
gcaccagcac	caggtggtgg	agtgccaaaca	gttgtgatat	ctggcggaag	gtccactgcc	1560
acctctacta	ctaccatcca	agtccaaacg	ttatctgttt	tcnntagcgg	ccttcccttt	1620
ccgcaatccc	aggggaatac	ggntacacgt	ccggtaacca	cgagcacagt	gaccggagta	1680
aggccaccgc	agtccactcc	cgntattgat	caaagaagc	ggacagtggc	agaaaagaca	1740
gacatcggcc	ggcctgataa	gctcaaggca	aatcctattg	tgttccggcg	tcggaactga	1800

<210> 8511

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8511

atttgggcag	gcgaggtccc	tatgttgaga	actactggct	tcgacttgat	ctgcgtctct	60
gtcttcttct	ttcctattcc	cctactacga	gaattgtttt	ggcacgtacg	atatgtggac	120
agtaacactg	tcgttaccga	ggaagaaatg	cagaaatata	acattgcgag	aacagccccc	180
ttctttttgt	accctaccgc	gcgtgcattg	tga			213

<210> 8512
 <211> 786
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (109), (169), (208), (209)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8512
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 tgccgtggcc ttactccggt cactgtgtc gtggttaccg gacgtgtanc cgtattcccc 180
 tgggattgcg gaaaggggaag gccgctann gaaacagata acgtttggac ttggatggta 240
 gtagtagagg tggcagtggg ccttcgccg gatatcacia ctgttggcac tccaccacct 300
 ggtgctggtg ctccacgaga tgctactcct tcacgtggtg ctgctgttcc accacctgct 360
 actcctccgc caggtgccac tattccacct ggtgttgctg ctgttcctgg tactactgtt 420
 ccagctggtg gtgccacttc aggtccgctc gccgtggaaa agcttgtagc aataatagga 480
 gttgagacag cactcgggtc ggtcgggtga gccaggcttg tagcaataat aggagtggaa 540
 atgggcacac ctccgcctgg tgggtgctgt ccgcctggtc tgggtggtgt ggcagagatc 600
 tagcgctag taggagttga gactgacacg cctcccccaa cagtaccagt aacgttagag 660
 ataccagggc cagtgggtat ggcagggatt aaagtcacac tgggcaaccc agtctgtccg 720
 ccactgggag tgcgtgtgac gtttgcgaaa ctgattcctg tagtcacaga aagcctggaa 780
 gtttga 786

<210> 8513
 <211> 1596
 <212> DNA
 <213> A.fumigatus

<400> 8513
 ctccggggcg ggcgtgagga ccacatccag tcttctcccg actctgcgag caaagggcga 60
 cggaggcaca taacacaaga aggagcaatt ggatccgcaa tttgtcagct tccgcaacat 120
 ggtggcgacg ctttacctgg ttcagccgtt gtccgttctt ccagtcgttg gtataactac 180
 gccgggcagg gcacgatgcg tccgagcctc gatgtccttc gaggcctcct cgttcagctg 240
 gtctttgaca acaacatgct cagagctgcc gccatgaaag cactgcaga caccgtatct 300
 cgcctatccg gtctcgtgct cggaggtaca agccctatcc tgggtcggccc gagtatcccc 360
 gtccagcctg acgccggcgc gcatgaccag ggcagcctc gcgaggcctg gggcctcaag 420
 tccggactct acacgccccg tcaactagtc gaagggtttg cgcactgct ggacacggtg 480
 gtgttccggc tcggtccaga tccaccgaac gccagaccag cgcgggcgca actgcttgac 540
 aacctagccg ctaatcttga catcaacacc cgcgaggcca cgtgcgctt ccccgacact 600
 gatctggatg cctcccgcca ggaaatcgcc gagcaggcca gacgcacgg acagacgctc 660
 gtccaatacg cgcgcaacca cacgggcggg cccttcaatc ccgacctctc ccttcgcagc 720
 cctgttgagg gccatctgct catcccgccc aatgtcgacc taatgttcgg ccgtcgcagt 780
 cagtcgcata tgatgcagct gttcaacgag tatatgcacc agatggctct cctgcgtgac 840
 gccctgctgc cgttccagaa ctacgaggat gtgatcatcc ctgtcgatgg ccgagccgcg 900
 agaggcatcc ggcattctga gccatcccg tccgagtttc tcccccacct gctgaccaag 960
 gaggtcacc cctcggaat catcaaacat gccaggccc tcttgctcc aggccttctg 1020
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 catggcctgg tctgcccgc gttcctggcc ggtgggcca cgcggttcca tcttctccag 1140
 tatatcccc ccaagctggt cgacgacgcc ccaaaagggt tcatcttcga ctaccggatc 1200
 caggactact atctggcgcc tcgcgtcgac atccccgcg gcaccgagaa gacttttccg 1260
 gggcttctgt ccgagagata cccgtggcca atggctgggg caccacagca ctccggctac 1320
 aaagcaccaa cattggagtc gttccaccga caccgcgcg gaactcgtca tcccatgcgg 1380

tccggcagct	tgagttgcaa	ttccagctcg	acaacggcaa	gtgcgtctcg	gttgacctgg	1440
gacaggttgc	gcgtggccac	cgatacgctt	acctggcgctc	cagtgccagc	acctccgcga	1500
cgctcatcaa	cggatgacac	ggcgcgacgt	ccgcgcgtgg	ccacgacgcc	gcatccgttc	1560
tcctggagac	ggagcacgaa	aaagacagcc	tcgtga			1596

<210> 8514
 <211> 705
 <212> DNA
 <213> A.fumigatus

<400> 8514						
gacttccaaa	gaagccgatc	gacctcagcc	aatcaagaaa	gccacatagt	agccgcaaaa	60
tgtctgcagg	atacggctgt	gatgcggaac	ttctggcatt	tctcgcaaca	gctctatgcc	120
gacctccctc	ccatcgatgc	gtacctcgca	cttcaccgcg	actacgtggc	acctatagtg	180
gggccagtc	tccatggcac	gtcgaccaca	acggaggcct	tggctctttg	gacgggttct	240
acaccatggg	ttgccaagat	ccaggcactc	cgtcaaggta	aggaggtggc	ggagcggctc	300
tttagttaca	ccaaaagcct	ttgtgcaact	cagcagtc	cgctcagcag	tctcacggca	360
gacgagaaac	aaatctcagc	tcattctcacc	acggaaattt	tgaggcgata	tacagcggac	420
actctggggc	aaccgacccc	atttactgat	ggcgttgaca	cggcggctgg	gggtgccagc	480
cttgccgggtg	gaagcgcgaa	aaatattcct	cagggcac	cgaacaatct	gtcattggca	540
gcttctgcca	gctttggccc	tgccggagtca	ctcttcgata	gcatcaacta	cttcgaatgc	600
tttaatacag	cgttgcgaa	gatccagact	gcccagcac	agcggatgat	caaagctctg	660
gatgtcatcg	ccaaaagct	tcgagattgg	gaattgcttt	accgg		705

<210> 8515
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 8515						
tcaagcattc	cgctgggttc	catcgcccc	cagcactggg	agcatagcag	tgatgacaat	60
gacatctcta	cttgtacatt	ttgcgtcctg	cttccatgga	acaaatggca	gcattggcaa	120
tgctcaatga	tgggatactc	tttgcttctt	acgaacctat	tggaccctta	tacctgttt	180
gttccccctt	aacgcctaaa	ggctgttctg	gggaaaggca	agcacacacc	ctaa	234

<210> 8516
 <211> 1041
 <212> DNA
 <213> A.fumigatus

<400> 8516						
caacttgatc	agatgctccg	caatgatgaa	gtccagaggc	atacactcct	gtccgagatg	60
attaccaggg	tatccggttt	ctcagcatgg	cttctgccgt	cttttgcatg	gtccggaggc	120
cagtctccgc	cacggcttgc	cccagtttgg	ccatcaaccg	ctcgtcgccg	tggtatcaaa	180
atgaccgtac	tggtagctct	cttctgcctt	gtcacatgga	cactatgcac	tcgcataaccg	240
cagtattcca	cgcaggggac	acaacagcca	caacagccgg	aaaagacacc	acaccctcac	300
cctcagcctg	aagacgcttt	cccacccacg	catgcgacgg	acttgaaaat	ccacgatccg	360
agcatcatcc	acgtcgatgg	cacgtactac	tcgtacagt	tgggcaggca	tattcgcatc	420
caccaggctc	ccagtctcga	cgggcccgtg	gaacgaaccg	gcgccgtcct	caacgcggac	480
agtgtgatcc	ccaagggcga	cgggaaagcc	ccctggggcc	cgcagaccgt	ccaccacaac	540
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gtcgccacat	ccaagtcccc	cgggtcccgc	ggctggacgg	accacgggct	gctcgtgcag	660
tctgggacag	gaaagggctc	ggatgaacac	ccatttacta	gctccaatac	catcgatccg	720
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atctggcagg	taccgctgga	cgaagagcctg	ctttcgggtg	ctggcgacac	gagctccgag	840
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ctgtgccggg	agccgctcggg	tgcccggccc	attgagggga	gttttctctc	ataccatgag	960
ccctgggtatt	atctctgggt	cagttacggg	aagtgtctgca	agttcgatac	gaagaatcta	1020
ccacctccgg	gaagagagta	a				1041

<210> 8517
 <211> 651
 <212> DNA
 <213> A.fumigatus

<400> 8517						
cacgatatat	ggggactctg	gccgcacttt	agatcttcgt	ggcaagatat	aggtattgct	60
tcatgtctgcc	gctcaaaaaa	ctccggcatc	atgcgccgtg	cacctcgtgg	ccactctgcc	120
agggggccgag	tctctggcgg	ccaacccaag	gcacgcgagg	aaggagatga	aatacctgaa	180
gtctaccagg	aaatgcttgc	tgaagcagaa	ttgcggaacc	caaatgtttc	ggaagcggac	240
cgtcctatca	agagacggaa	ggttggagct	cagggagcta	caactcttaa	tgaggtttct	300
ataccccaag	taccactgtc	aatggaagac	agccggcagg	tacagactga	ctatgacgaa	360
cccacgtcag	aagaatcgga	tatggagtgg	gaagaagttg	accttcagca	agtcccagct	420
cagtcgactc	agataggtcc	ggtgacagag	gtcgataatg	aaccactcca	gatcactctt	480
gagggccatg	aaggaaagag	acggaaaagta	atttcaagac	aaaaatcact	caccgctgcc	540
gagaaaaagc	tccgattaga	tattcacaaa	gtccatgtgc	tctgtctcct	gcgtcatgtg	600
caaatacgaa	atctatggtg	caatgacgac	gaactacagg	tacgcaacta	a	651

<210> 8518
 <211> 348
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (181)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8518						
catctcaaag	gccctggatt	caccgctcga	gcctcgcctt	accgggtggt	ttggggttgaa	60
gcattcaatg	aagcagtcga	gaaatgggtc	cctgtcgacc	cattgggttac	caaatcgatt	120
gcaaaaccat	ctaagtttga	accgccttcc	agtgatccat	caaattccat	ggttttatgta	180
nttgggtttg	aagaggatgc	gtccgcaaga	gacgttacca	ggcgctacgc	aaaagctttc	240
aatgcaaaaa	cacgcaaaat	acgtgttgaa	tctactaaag	atggagagag	atgggtgggca	300
aggaagaagc	tttttttacga	aaaaaccatt	cttggggagac	cgagatga		348

<210> 8519
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 8519						
gaaactatta	tgttcgacgc	ggaagtcttt	ttgtcaaaag	aagacttttg	caagcaggct	60
aggacaatgc	agggtctctg	tgacttttgt	gtcagttgt	tctgtgtctc	tctacgtctc	120
gcagctgtgg	aagcgaggct	ggtctgtctc	ctccagcctt	tgccgttttc	tgggacgacg	180
aagagcatga	cgccaaacaa	gcgagattca	cagtacattg	ttatatcatc	tgatgaccat	240
gaaacgtcag	cagatgatcg	acagatgcct	ggcctctcgc	cgacaccggc	gtcaagggtcc	300
cgaagacttg	gacgacctca	attcactcca	gcgcgttcac	agaagacctc	gattccagggt	360
aacatgtcca	cctctattcc	gcttgccctac	tccactgacat	ctcaaaggcc	ctggattcac	420
cgctcgagcc	tgccttacc	cgggtgttttg	ggttga			456

<210> 8520

<211> 183
 <212> DNA
 <213> A.fumigatus

<400> 8520
 caaaaagact tccgcgtcga acataatagt ttcttacagg gatgtgagaa gggtgactac 60
 tgcgtggagc tttgcacaca taccgctttt tgcttcaact tttccggatc atctacccaa 120
 tgcgctcgct tcaagcctgg tctagtcact ctgaaccttc tgctaaaagc atcactggcc 180
 tga 183

<210> 8521
 <211> 2082
 <212> DNA
 <213> A.fumigatus

<400> 8521
 tggcttctgt atctcatttg tgaggatgac cctgaaattg tcgccctcgc gaccaagatc 60
 ttggctcggt tgatagtcac ccacggcgat gtctacagta agaagttctc cgagaaaact 120
 ggaggctata ttatcatgcg acatcgtctg agaagctggg ggaagggtacc cgccatatgg 180
 tgtatctgtc tcagcatcct ccttgggtctc gatgtcggcg gtatgaagct ggatcagcca 240
 ttcagccgga cagggtgat agagatccta tcgtcaaatt cccagccccg agttgctttt 300
 cctgaaatcc tccccgtact catggaaatg atgcaattgg gcttaciaag tgtaatatca 360
 ggtgatgagt tatcttctgg tgtccatggc aagtctctgc aaaagtctga agttcggctg 420
 gaatctcttc ccgcgtcatt gactatacgg gtgactgaac tgacaaagca aatatctctc 480
 ttggacgccc ttgttgggtt gtttgctgat ttacatcaga actctaccga cttcagggac 540
 tttgctgccc agtcagatta cgtccagtgg ttgctatatg tgacatttcc ggttgctcgtt 600
 ggttcggaca ttccaagcac ggactttgaa ctcaagtctc gtgctgctaa aaccaattct 660
 catgatcata ctttgccctgt tcgaccgctg tcaagtggaa cagcaggatt gcgcacaaca 720
 acagttgaag ggtctagcag tcgtgaaaga caagctggcc cattgcgacg cggatcatct 780
 ttcattcctc tctcgtcaga tagaaccaag ttctcgctt catttgcaac tatacacaaa 840
 gctttcatac cgttcgggtc tccccctgac atgacagcta cagaccatcc tcttggtgcaa 900
 gcaattctaa gcctagttct atccgtgttc tgcatcaat tgctggagcg aaaggatttt 960
 gctggacttg gtttatacct caagacgccc acgagcactt tggagcaaca atcttatttc 1020
 aactcctgga tattgcccgg cctccttacc agactgcgag atgttacaat ctctaaaccg 1080
 caagttcttc tggaaccgcg agcgttttct aacatgggac gatttgctac ccatattgga 1140
 gaagcagtat atgagggtcg gttcattgac ggtgcaactc atgctctgga atttgccggc 1200
 gcaatcctgg aatatctcca gcagtcgaat gtttcaagtc tgaagagtgt aaggctatgt 1260
 agccaagcgg tcacaaccat acgatccact ctgttccgtg ttgttctgct taaattatca 1320
 gaagtggatg acagagaggg ctgtgagttc ttgagtcgtt tgagctactg gcaagtggtc 1380
 ctgctttccg aaggtgaagt gcaatcagat tatctgcggc tatttggtcta cctcctctac 1440
 acaaaaactga tcagccaaga ttggaacgtt cgccttgctg cagcgggctt gtggagagtc 1500
 attctcgtgc aaaagcccgc tgagatgtct ggtattttta gtcaggcggc cattcccttg 1560
 cagaaacggc tttctgatgg ctttgaagcc cttgtaggta tggaggacaa agcttttcta 1620
 cagtgggtcg atggatcatc agatgatctc aatgcaatgt ttctcgggtt gctgtccagg 1680
 tcatgggaga ctttctgcca agaagagagc tcaaatattg actctacaac tcgtgcaaga 1740
 gcctccaagc gccaggagaa attacgacac tggaatcaat tagaaaggct cagtgaagaa 1800
 gtgacacgta aacatgagac aacctttcct cattgggtct cgaacatatc gccgtctgag 1860
 tttttgaaac atcaacgagc gctgcaggat cagcaggata actcagtgtt tatgtggacc 1920
 gcattctctc atatgaccat ggatctaaag cggtttggag gagttcttgc agaagacaag 1980
 gataggaaat ggccgctgga ccagacagaa ggacgaagcc gtatgcgact tcgcatggtt 2040
 ccagatgagg tgccgcccac aggaggcaga aaatccgcga ta 2082

<210> 8522
 <211> 654
 <212> DNA
 <213> A.fumigatus

<400> 8522

tctcgcat	tg	cgaacaatcc	gatgcctgat	cttagacctt	tgccaacagt	acaagggcgg	60
gcacccggg	tg	agtaaacy	atgtcccgt	aacgatgccg	gcaagcagg	gaacctgaca	120
ttcttctca	cc	agggggcgc	catgggaatg	actgcgattg	gcattgcatt	gtggaagtat	180
tgcatgagat	ac	gtcccaac	gaacccaac	ttcttcaacc	gggatcgctt	tgtgctctcc	240
aacggccaca	ctt	gctctt	tcagtacacc	ttcctacatc	tgacgggcta	caaggccatg	300
acgatggacc	ag	ttaaaatc	gtaccactct	gagcgggaag	attccttg	cccaggccac	360
ccggaaattg	aa	attgacgg	agttgaagt	accacaggcc	ccctgggcca	aggtgtcgca	420
aacgcggtg	gc	ctggccat	ggcaacgaag	catctcgg	ctgtctacaa	cagaccggga	480
ttctcacttg	tg	gacaatac	gacatgg	atggtcgg	acgcctgcct	gcaggaaggc	540
gttgcat	tg	agtcaatcca	gctcgctggc	cactggagac	tcaacaattt	ggatcatc	600
tacgataaca	acc	aggtagc	gttggctccg	tattttccaa	tatggccgta	ctga	654

<210> 8523

<211> 699

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (683), (687)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8523

aggatcactg	ct	gccctcat	gcgtgctcgc	tccagcaaag	agaaaccgac	ctttatcaac	60
gtacgtaccg	tg	attggcgt	cgagagcaaa	ttcgccggcg	acgccaaaggc	gcacgggtgcc	120
gccttcggcg	agg	acgaggt	cgcgaaacatc	aagcggaaac	ttggattgaa	cccagatgag	180
catttcgctg	tcc	ctgacga	ggtatatcag	tttttcagtg	acgctggggg	aagaggccga	240
gccctggagg	agg	gctggaa	tcagctccta	ctcaattact	caacggagca	cccggagatg	300
tacgaggagt	tc	aggttgag	aatgctcgga	aggatgacac	aggactggac	aaagctcatc	360
ccgtcaaaaag	aga	aattccc	cgctctcca	acagcctcca	gaaagtctgc	cggcctctgt	420
tgcaatcccc	tg	gcggcgaa	gctcgagaac	atcatggtgg	gcactgccga	tctgactcct	480
tcggtaaaaca	tg	gcatggaa	gggcaagg	gatttcagc	atgtaagcca	cagccccgtc	540
cccaggaata	tt	catccctt	tactaatcaa	aactgctttg	tccagccgga	gctcaagacc	600
acttgtggcc	t	aaatggcaa	ctacactggg	cgatatatcg	tcttcaccac	ggggctggaa	660
ggatccgacg	gt	ggcgtcta	ttncncngg	gggttccat			699

<210> 8524

<211> 723

<212> DNA

<213> A.fumigatus

<400> 8524

aaccatggcg	gt	tttctgctc	ttgtggcgat	gagcattatg	gaacgcacta	ttcgtcggcg	60
atgattgtct	g	ctcgatatct	cattcgccctg	cagcctttcg	taaagtcgta	tctctctctc	120
cagggtggga	cat	tcgatca	cgctgaccgt	ctcttctatt	ccattggaaa	agcgtgggaa	180
tcggcctccc	gt	ggcaatat	gtctgatgtc	agagaattga	cccccgagtt	cttctacctt	240
ccagaatttc	tc	gtcaactc	caacaaatac	gacttcggtc	ttcttcagaa	catgacaaca	300
gctatcgatt	cg	gtggaatt	gccgccgtgg	gctaaggggc	acccgaagat	cttcatcgca	360
aagcatcgcg	a	gcgctgga	aagttcttat	gtaactgaaa	acctgcatca	ttggattgat	420
ctcgtttttg	g	ctgtaagca	gaaaggagag	gctgcaattg	aggcgggtcaa	cgtcttccat	480
catctttctg	ac	caaggggc	gaaagatatt	gataacatcg	atgaccctgt	ggaacggctg	540
gccacaattg	gt	atcataca	caactttggc	cagacaccgc	accaaatttt	cactcgacct	600
caccctccga	ga	gaagatac	acgacataaa	gttccacgac	tcgaccgcct	agctgaatcg	660
cttacacagc	tt	cctctctc	cctgctaggt	aagtcttctg	gcctgttgcg	gttatggcct	720

tga

723

<210> 8525

<211> 648

<212> DNA

<213> A.fumigatus

<400> 8525

caagcacaga	ttctcgggtca	tttcgagcat	ttgcatatcg	ggcaattgtc	ctgtacaatt	60
ttcgcagact	ctcgaacatt	ggtcacctcg	ggcacagatt	gtgttgatc	gatatggaca	120
tataactcaa	ctgctaaatc	ggtagacttg	caaccgcgag	gacactttt	tggacatcgc	180
aatcccgta	atgttctcgc	cgtctcacgc	tcgttcagcg	cctactttc	tgctctaca	240
gatggccaga	ttatgctctg	ggatcttaat	cagcatactt	ttgtccgaga	gctcccagct	300
agcggccccg	ttgacgtaag	tgatgcccgc	aaattgacaa	aacgaccctg	cagttttcga	360
caaaggttga	cctcagccca	gtgtgctcgg	ataaatgatg	taacgggaga	gattatgggt	420
tgccgtggaa	accgcacag	tatctataca	ctgaacggag	cgctgttgct	cgaacaagac	480
gtgtgtgaat	cgattgacga	tcgtgtcatg	tcctgcgtgt	tctacgaagg	cgtggataac	540
gagtggcaag	aacgcgagct	catcttcaca	ggcatagaa	agggggtggg	caatgtaaga	600
tgccctgact	tctttttgaa	aactgtcctt	tcctccctt	cggttga		648

<210> 8526

<211> 321

<212> DNA

<213> A.fumigatus

<400> 8526

ttacagctac	gaactataac	tgcccggtca	cgcctcacia	gggtccatcc	gagtccgacg	60
gctgtgataa	aaacaaacca	aagccgctgc	agttccaaa	tactgattct	tgacatccac	120
cccactaaca	ttccattcca	cggatttaag	cttgcatgcc	aactcactcc	cgaagtcggg	180
accgctatgg	gcggtcgcga	cagcgaccgg	gaagcacggg	atgactacga	ctatgcgcga	240
cggcgctacg	ctactgatga	cgacgacgat	tatgacgatg	acgaactcga	gcacgacctc	300
accgagcgcc	gatacagacg	g				321

<210> 8527

<211> 594

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (291)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8527

cagcttcaaa	gtatgtgcca	ccccatcgac	ttcagtcacc	cgcatttgat	actcacatct	60
accggcagga	atcctgagga	ttgtctccca	cctaccacgt	cttccgcca	cgctcgccat	120
tattcacagc	cagacacgtc	gaggaactca	ccgacctcac	gcactgaggg	ttgcgcgggt	180
cacttgaccc	aaccggacaa	taccagtcac	ggtgagggcg	acgactcgcc	agacaatacg	240
gcaaacgcgc	agcatccgtc	ggctcttccc	ccgcatcccc	cacccgcccc	ntccccctcg	300
ttctctcggc	cccttctctc	ccctggcccc	aatcgctccac	gaggagccac	tcgcaagaca	360
agtaagggcg	gaggtgttca	gatggtcttg	gaagaagggg	gtagtggag	tgagctcgcc	420
gaccacagct	ctacccttcc	ggccgagggc	tacgataatg	cctcagtcac	gggaaagtcc	480
tccaatagtg	gtatgctcgc	ttttttgagc	cgcaagaagg	ggcgtgacag	aagcccgaaa	540
cctcaggaac	caggcgtctt	gggcaaggaa	ggagcgaggg	aaattatcag	ttga	594

<210> 8528

<211> 210
 <212> DNA
 <213> A.fumigatus

<400> 8528
 atacttatac cactgcatct tctcttttca attgtttgtc tttaccattg cttatcaatg 60
 gatttccgac cggacttccc acagaccatc cgtatcacc agtcaatctc cgagaaccac 120
 gtgtggcgtg ttatgcttac catctatttc gagccgaaaa caaccaatgt agctctctac 180
 catcaagcta cctttgctct cccaattga 210

<210> 8529
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 8529
 catttggtcg gccctatctg gagacctaag caattctgga cctccctcaa aacagtgcag 60
 catctctcgg agcctaagcg gaggcttac cttctcccat gcattacttg ggcaatgtca 120
 cccagggaaac tgataacctt gggactgcaa cgaacactga accagccatt ggtaggacat 180
 tga 183

<210> 8530
 <211> 363
 <212> DNA
 <213> A.fumigatus

<400> 8530
 gtcaaccgca gccagggtac taactctctt ctccagctca aggaaatctt tgccgattac 60
 caacctgttt ccgccaagat cgccctgcgt cccattcctc gtttcatgat caagaagctc 120
 caggctcgca acgagcgtcg taagggtcgt ggctttgggt tcgtcactct cggctctgaa 180
 gaactccagg agaaggctgt caaggagatg aatggcaagg agattgaggg tcgtgagatt 240
 gccgtcaagg tcgccatcga cagtcgccggc aaggaggatg acgccgttcc cacgggtgag 300
 cagactgagg ctgccgctcc tgctgctaag gagcaggaga acactcccc agctgctgct 360
 taa 363

<210> 8531
 <211> 744
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (239)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8531
 tttctgtaca gcgaaagcac ctccattcct gtgaatcccc gactaaccg cctgtcggc 60
 tatgcgtttg tggatctcgc cactgctcac gaggccactg ctgcgatcga ggaactctcc 120
 ggaaaggaga ttcttcagcg caaggctctt gttcagctgg cccgcaagcc agagcctgcc 180
 gaggtcaagg cggagggtgc tgcaagtggc ggtgaaggcg ccagtggcac tgaaggctcnc 240
 aagcggacag gtggccgtgc ccgtggctgc ggtcgcggcc gtggccgtgg aggtcgcttc 300
 ggctcgtggag gtgcgctaag ttcccttgcc acttttgaac tgggtgtccac cgttttgcgtg 360
 acaatatgga cccaagacc aacgggacgg cttccgggtt ctaatgaggc tccccaccaa 420
 agtttccccg tcagggttga acctcagaca gaggtcgcca acgagggtac aaatgccggt 480
 gctgccgagt cctctaagca ggggtggcaag catggtgttc tttgtcctca gaagcagcgc 540
 ggcccccccg aggatggcat tccttccaag accaaggctc tggtagctaa cctgccctat 600

gatttgaccg	aggacaaggt	acgtatctcc	cttgagtcaa	cccgagccag	gttactaact	660
ctcttctcca	gctcaaggaa	atctttgccg	attaccaacc	tgtttccgcc	aagatcgccc	720
tgcgccccat	tcctcgtttc	atga				744

<210> 8532
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 8532	
aatgatatcc	acagctttcc
ccagacctct	ttcactcgag
aaaagacaac	ttttgccgaa
aagagcatct	tcacgatggg
tacctatgaa	tataattatc
catgcgcatt	ggccatcacc
cctgcaccat	cactgacccc
gactgacttg	catcagccga
gaaatgagaa	atttgttctg
gattggaaca	atcttgacat
ttaa	
	60
	120
	180
	204

<210> 8533
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 8533	
ggagagatga	acagaatctt
acatagcgga	attactagca
atctacatat	aattattttca
gtcttgcccc	agtggattac
tatgcctaata	attcttggca
gtgagattga	tcactctttc
cccgccagcc	ccgcctttga
taagcgccgt	cagacagacc
accctttcac	cctcttcttc
atatga	
	60
	120
	180
	186

<210> 8534
 <211> 1515
 <212> DNA
 <213> A.fumigatus

<400> 8534	
tataatgtgg	tggacagagg
aagtcaccga	agaggtgcc
ccaacggaaa	gagtccaaac
cagcaaattg	ggcggtcttt
caggacctgt	ggcgaaacca
caagaaacct	taggagtcta
ggaatagggc	caaagtcctg
gtctggacgg	aggctcctcc
ggtccacact	tctgtcaaga
gattcgcccc	agcagggaaa
atcagacagc	gacgcaagca
accccctgag	gctgggtacac
gtccagacac	gggatgtact
gaaaacagag	ggaatcgaga
caaaacgcta	cgcggtcatt
tcgtacacct	ggagccagtt
cagtaaagag	gagttgctgg
aatgggcaac	gtcacgagcg
atgcagctgg	ggtacgagta
catatggatc	gaccaatatt
gcattgatca	gaagaacaag
caggagaaga	acaaggagat
caagcgcatt	agagattact
acaagaacgc	ggcacagggt
ctgggtgctt	tccttgacgt
gacgagcttg	gcaagatttg
atgtggcatc	aaccgaccag
ttgatacatg	tggatgcagc
catcaacgcg	tctagggatg
tattgaagca	gttcgtatct
tgcgagtggc	tgaagagagt
ctggaccttt	caagaagcat
gggtggctag	acaatgcgtg
ctgtgtacca	aagagcagat
gcttgacggc	acggtgatgg
atgccttact	tggttggctc
aagtacgaag	ctgtcaacag
acccagagtg	atgtgcatca
ccagcaagtc	aatagcaaac
ccggtgggtt	caaaccctaa
cacagtcgtc	tgggagggag
tactcagcaa	ccgtcagact
gtggtaggat	cgatagaccg
gtggatatta	caaagtggac
gacgcgtata	cgaaccgcgc
cggtccacgc	ttgtccaggc
ctgggaagcc	tcacagggaa
gaaacacagt	gaatgaagaa
gacagagtat	acgctctgct
gtcttctatc	gagggcgagg
accgagtaac	agtcgagcgc
ggacggtctc	tgctggctgt
catccaggac	tggttggaag
cgggtattgt	cactgctgat
ctgctagccg	gcaatgatcc
ctcgacgggt	gcagataggt
gctggatgcc	ggatctaaca
ggatcaggac	cgagcactcc
tttgcgggtg	gcaagtgcga
gtgagaaaca	gcagcaactg
gttttggcag	ggggcaaggt
gtctgtgaag	gggaagattt
ttggctttgc	tgacgtgtcc
gtttggtctac	ggatcgactc
cgtgaagact	caggatccga
tccaacagtc	tgaaggagac
gaccgacctt	ggattcaatt
cgctctctcc	acgcggcaga
aaacttggac	accgaaagac
ctgatcaagt	ctgatttctt
tttagtgacg	ccaatgcctg
ggtgcacaca	gaccgtcctg
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	660
	720
	780
	840
	900
	960
	1020
	1080
	1140
	1200
	1260
	1320
	1380
	1440

gtttctggta aaaagctagc ggacgggtcg tttcacaggt cttcaccacg gggctggaag 1500
 gatcacgggg gtcaa 1515

<210> 8535
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 8535
 tcggtatgga tgacccgaat ccaccgtcga tgcggacgga ggctaataac aacaggcgac 60
 tattatacgg ggggatcgct gaaccccgcg cgctcgcttg gcccgacgt gatcaaccgg 120
 agcttccttg gttatcactg gatttattgg gttggaccgc tgctcgggtc tctgctggcc 180
 tgcggattct acaccttcct ccggatgttc aaatacagat ccgtcaaccc ggggcaggac 240
 tatgacgagt gggaggctaa gcgaaatcat ggatcgctcg atggcaatgg ccgagagtca 300
 accgcctttt cggattcgac cgctggcgca cagagtcagt cgctcagagg tgtaaatacga 360
 ccggtcagcg gagcggaaca ggtttaa 387

<210> 8536
 <211> 942
 <212> DNA
 <213> A.fumigatus

<400> 8536
 acatcagttc tcgtcttctc tgtatcaagc aaagatacaa tggcgcttcgg taaacgtaat 60
 ggagaggagc ggcgtgtcct ccatcgccacc cagagtcagc tcccatgct gggctctggcg 120
 gacagtgtc gaaataacct gattgccgtg gtgggagagt ttgtcggcac atttctcttc 180
 ctgtttttct catttgacgg aaccacaggt tccaacacac ccaagccggg gcccgggggc 240
 cctcccaaca cgtccaacct tttgtattct gccctatcgt tcggtttctc cttgacagtc 300
 aacatctggg ctttttatcg ggtgacggga ggtctcttca atcctgtagt aagtccaacc 360
 catgaattac aacacaacgg atcagctctc tcagaacagg tctccttggc gctctgcttg 420
 gtcggaggca tgccgcccc tccgagcgct ctcgtcttca tggcacagct tgtaggcggc 480
 atcgccgccc ccggcgctcg cagcgctctg ttcccggttg acctcaacgt ccgaactcgg 540
 ctgggtggag gggcctccat ctctcagggg ctatttatcg agatgttct caccgcgcaa 600
 ctgggtgttc tcatcatcat gctggccggt gtgaagcaca aatccacttt ccttgccgcg 660
 gtcgggatcg ggctcacttt cttcgtcaca gaaatgatcg gtatggatga cccgaatcca 720
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<210> 8537
 <211> 921
 <212> DNA
 <213> A.fumigatus

<400> 8537
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 agagaagacc tcattgatct gcgagaatcg caagaccaat cgcaccatga cgctcatccc 180
 gagaactccg tagcgggtaca gcggacagac gagacgccag actttgatac tactatccac 240
 acgcccggag tcttcctttt cgattattgg acagttgtta tatggggcat gtcacctgca 300
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 aatgacttta tctctctccg tgatcctcga aaccatata ttaaacttgc catctcacat 480
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 aataccgctc cactaccggc tcaaattgcc caaacgggca gtgtcaacat gacgcgaaga 600

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gtcattcgcg	accttctggc	agtgtgaag	gatcagttga	ctcacccgca	cggtagtat	840
ctcgaatgga	tcggtaagtc	ccttacttcc	agccgtcgtg	tcaacccctg	tttagctcac	900
caattacagt	catcatcttg	a				921

<210> 8538

<211> 339

<212> DNA

<213> A.fumigatus

<400> 8538

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gagggcctat	tctacattga	tttctcacaa	aacgggatgt	tggcgctcgt	tgtaacgctt	180
atgatcagtg	cctggatgcc	tttttctgt	ttacttgaaa	accagtcaag	gaggtgcctg	240
gagttcgag	ctagacagca	gatggaagat	agtctggcca	cacagtgcgc	cccgtctctg	300
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<210> 8539

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8539

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ggtacataca	aagatgggtg	cctcgatata	agcaagaaag	atgcaagggt	cccgaacgaa	120
gatgaccaac	tccagacca	gtcctcaact	ccctacgcaa	atacttccgg	cgctaaatat	180
gggccgcaac	tgatgcagtg	a				201

<210> 8540

<211> 315

<212> DNA

<213> A.fumigatus

<400> 8540

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cctacttcaa	caacttcaga	aaggaaatca	acagggtggg	tgaagaatgg	aaaagcgacc	180
aagaagtcgg	gcgattacca	aggatatgta	gcgaactttc	attctgaaaa	gcactctgat	240
catccagaag	gcgccaagat	accagcagga	cgccaaccac	gtttcctaaa	taatgctact	300
gacaatgttc	agtga					315

<210> 8541

<211> 891

<212> DNA

<213> A.fumigatus

<400> 8541

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gacacgccaa	tgcctgacct	taactcgagt	accaacttga	ccaagccatc	ggcaccaaag	420
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caaggcgcgc	agccatacca	acgatccatg	ccagcagcct	ccgcggcacc	cgctccagct	840
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<210> 8542

<211> 963

<212> DNA

<213> A.fumigatus

<400> 8542

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acttttgtcc	gccgccccgt	attcagtgga	cgggtctggga	tcatttccac	tcctgggtgcg	180
cgtctcttac	ccctgaagcg	agtcttttgc	acatcaacga	tccttcagcg	ccataagagt	240
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aagacaatat	ctaccccgaa	cctcataacc	acttcattca	tggctactca	aaccagagaa	360
cacgggtggcc	atgggggtca	ttctcaccat	caccatcatc	atcacggaaa	tgtttacctc	420
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aatgcggcat	ggcttgcagg	gggttcgatt	attgtgaaag	agtggctcta	ccgtgccagt	900
gagtaccac	gtcccgaatt	ccaaattcca	atttctgcct	ccgttactgt	ggttatcagc	960
taa						963

<210> 8543

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8543

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cctgagctac	cgcaaccttc	gaatcgaacc	ccagctaatt	tgctgcctct	aatttgtcgt	180
gtgccttag						189

<210> 8544

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8544

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cctgcggtgc	agggccgggtc	gtccatcacc	accaccacca	tcaacttttg	tccgccgccc	120
cgtattcagt	ggacgggtctg	ggatcatttc	cactcctggg	gcgcgtctct	taccctgaa	180
gcgagtcttt	tgcacatcaa	cgatccttca	gcgccataa			219

<210> 8545
 <211> 303
 <212> DNA
 <213> *A.fumigatus*

<400> 8545
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 ctgcggtcca atgccgtaca tcaccgcacg gactctctca ctagcatcgt cgccctgttc 180
 acgatcggcg gttctttacat gttccaagac gcgtcttggc ttgatcccgt cgggggccttc 240
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 cgc 303

<210> 8546
 <211> 486
 <212> DNA
 <213> *A.fumigatus*

<400> 8546
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 gcgttcattg atcgtttcgg ccgccgctgg actctcatcg gtggcaacct gggcaacatg 180
 gtaaccttca tcatcgctcg tatcctgctg gcgcgattcc ctctgaggc caacaacacc 240
 ggtgctcact ggggcttcat cattatgacc tgggtgtaca acttctcctt ctctgtgcacc 300
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 ggggttttcc attgccacaa tgacatcggt tgcgttcaac accatgatcg gtcaagtgc 420
 gcccatcgca atgacaaatg tgcgtaccg ctactactat ctcttcatca tctgcaattt 480
 cactaa 486

<210> 8547
 <211> 243
 <212> DNA
 <213> *A.fumigatus*

<400> 8547
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 attcctcgcg gctcggagct caagacagat tataaatctt tcttttgccc cttaccttcc 180
 atgttctctc ccaaggccct cgtccctcgc cgcagctgca ttccaatcca gaacatcagc 240
 tag 243

<210> 8548
 <211> 408
 <212> DNA
 <213> *A.fumigatus*

<400> 8548
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 ccgaagtctt cgacacgcgc acacgctcga agggggtttt ccattgccac aatgacatcg 120
 tttgcgttca acaccatgat cgggtcaagt acgcccacg caatgacaaa tgtgcgctac 180
 cgctactact atctcttcat catctgcaat ttcactaatg ccctggtttt ctggctgctt 240
 ctttccgaga ccaagaaatt gcttcttgag gagatgaact acctgttctc caacgctccc 300
 tggatcgtgc ctgtaactcg cacagaggat tataccccgc acgacttggg gcgcaaggtc 360
 gaggcacagc aagagataga ggctgttttt gcgacgcac acgagtga 408

<210> 8549

<211> 303
 <212> DNA
 <213> A.fumigatus

<400> 8549
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 ggaattgact cgtctctcaa gagccttggg gtgcgaatacg tcgatcttta tcttatgcac 240
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 aag 303

<210> 8550
 <211> 726
 <212> DNA
 <213> A.fumigatus

<400> 8550
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 aaacaaaaaa gccgccgggc gaagttgaga gggacaggcg aggggtgtcg aagtgatggc 180
 gatgacgatt actacgatgg cattgtggat aagaccgcct ctcacgactc cgaaagtaca 240
 tttgctctcg acaagctcga aaaaatcttc gttcggtacg ccgcttcccg cattgagggc 300
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 cgcagaggct ctgcatctga gtccgaccag tatgatcttg acacggcagt tcccgcgtgt 420
 gatgcagtac tggacaattc caagacgctc gcatacacag gcgggaccgc cgaagaagac 480
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 ccgtaa 726

<210> 8551
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 8551
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 gttccggaga ccatgaaaca gattgcgaaa cgtatgcgcg agctgcacga agggatcgaa 180
 ctgcttgaag aggagagaga aggcggcccg atggtcttca aaaactggga caagtgggtt 240
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 gccaaaggcag cttcggaacc ctggcgccgt cgcggatttg tttgtggtgt cccatggcct 360
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 aaggagatca agcggcagtt ggtttttgct cacaacgatg taagccattc ctttcggcaa 480
 attcattgtc ttttgattgt ccatccacta acctag 516

<210> 8552
 <211> 375
 <212> DNA
 <213> A.fumigatus

<400> 8552
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 gtgcctctggg gaattgtaca ggcaaaggta cccggtatgg aggaggggat tgcggcagcc 120

gcagcggcga	aagcgtctaa	tggaaacggt	cacagcagtg	aatcaaacgg	gtcagcagtg	180
gcagctgctg	agcaaccagc	gcagcctgca	gtcgcgcgg	acgtggacga	gggggacgag	240
tttgactatc	ttgcctacgc	gcaggatcgg	gcgatgttct	tctgggcgga	tctacttgcg	300
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<210> 8553

<211> 1002

<212> DNA

<213> A.fumigatus

<400> 8553

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<210> 8554

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 8554

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<210> 8555
 <211> 753
 <212> DNA
 <213> A.fumigatus

<400> 8555
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 gtccacctga gttgcagttc gttgctaagg tga 753

<210> 8556
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 8556
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 caatcaacat tagctgcacg gccatctctt tttctagact ttgttcccca gcataccttc 180
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<210> 8557
 <211> 588
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (399), (504)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cgccagcagt tactatatgc gcggggggag cttgaggcgt tgatagattc tccaagatc 480
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<210> 8558
 <211> 597
 <212> DNA

<213> A.fumigatus

<400> 8558

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caaggtggag	gccaagaacg	gcccattggac	atccacaacc	acgaagatca	acgcgagatt	120
ctgctagcgg	cgcagctgtc	gcggattgtc	tgccgcagtc	tgagagtcga	aggggtccgg	180
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aagcgcctcg	gagacggcgg	ccgcgaaccc	gacccttcga	agcagcatta	tgaggaccga	360
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tcgtgggtcga	ccgccgatgt	gcccgaagggc	gtctgggtcca	cttacgctga	ttcggaaaaat	480
gcgggtgtggg	acgacttccc	cttggatccg	agcgaagatg	gattcaagcg	ctggatggaa	540
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<210> 8559

<211> 420

<212> DNA

<213> A.fumigatus

<400> 8559

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cccgatccag	actccccctt	tgccgacgta	gggacgaacg	tacatctaga	gcagatgaag	180
gacatgcttc	tcacctacaa	cgaatacaat	cctgatttgg	gctatgttca	aggaatgagt	240
gacctcttag	caccaattta	cgcagtcag	caggacgatg	cagtggcatt	ctgggctttt	300
gttggattca	tggaacagaat	ggtatatccc	acacatatcc	gtcccaaata	aacactgctt	360
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<210> 8560

<211> 780

<212> DNA

<213> A.fumigatus

<400> 8560

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cagctcagca	agattaccac	gttcacacgg	cggacggcga	acgaacttcc	gataaacacc	180
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gacgagcgtc	aagctctgat	gaactctaaa	cgtgatgaat	acatccggct	aaagggtgct	660
tggtgggaga	gaatgattga	gggttcttcc	actaccgagc	agtatgagtg	gtggaaagag	720
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<210> 8561

<211> 846

<212> DNA

<213> A.fumigatus

<400> 8561

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<210> 8562
<211> 1878
<212> DNA
<213> A.fumigatus
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<210>	8563
<211>	597
<212>	DNA

<213> A.fumigatus

<400> 8563

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ccttatgctc	gcggggcaaa	ggatgacgtt	ttcatcaaga	accctgatgg	caccctctac	180
atcgggtgcag	tgtggccggg	ctttactgtc	ttccccgatt	ggcacaaccc	caaggcattt	240
gactactggg	ccaacgaact	cgtcatctgg	tcaaagaagg	ttgcgttcga	tggcatctgg	300
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ggcaatcagg	cttcggctgc	ttctgctacc	caagccgcca	cgacgttcac	atctacatcg	540
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<210> 8564

<211> 1194

<212> DNA

<213> A.fumigatus

<400> 8564

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gctacctact	acggactgcg	ccaggctctc	actgagaagc	gacctttcat	cattggccgg	180
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tgggggtcca	tgttctctgc	catctcgag	ggtctgtcgt	tctcgctatt	cggatttccc	300
atgttcggcg	tggatacatg	cggtttcaac	ggcaacactg	acgaggagct	ttgcagccgg	360
tggatgcagc	tgtcggcctt	cttccccttc	taccgcaacc	acaatgtcct	tgcggctatc	420
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cgctattccc	tctacactta	cttctacact	cttttccacc	aggcccacac	caccggctct	540
accgtcatgc	gcgtctctgc	ctgggagttc	cccacggacc	cgctccctgc	cgccgtcgac	600
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cagaccgcg	tggacgccaa	acccggcgct	aacgccacca	ttcccgcacc	gctgggccac	780
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aacggccgca	acgtccaccc	tggctcagtg	cactacaata	ctaccaccaa	ggtgctgtct	1140
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<210> 8565

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8565

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gagaatgatc	ccgaacgggt	ctcctacgat	gaaggcgagg	aatttctgaa	caaactgcac	180
aagtcgggac	gacactgggt	tcctatcggt	gactcggtca	tctatatctc	caaccccgac	240
aatgcatcgg	atgcgtaa					258

<210> 8566

<211> 408

<212> DNA

<213> A.fumigatus

<400> 8566

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tcgacactca	gttcatggtc	ggcccttcca	tcattggctgt	ccccgtgctt	gagccctcg	180
ccgataccgt	caagggcgtg	ttcccaggcg	tcggcaaagg	cgaagtctgg	tacgactggt	240
acaccagac	cgccgtggac	gccaaaccgc	gcgtaacgc	caccattccc	gcaccgtgg	300
gccacattcc	catctatgtc	cgtggaggca	gcctctgcc	catgcaggag	cccgcctca	360
cgaccagaga	cgcccgtaac	actccctggt	ctctactcgt	cgctctga		408

<210> 8567

<211> 483

<212> DNA

<213> A.fumigatus

<400> 8567

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gcccagcagg	cgacttgct	ggaggatcat	gaatcattct	cccacggtgt	ctttctgaga	180
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cagctctcca	ctattggact	tcttgcaatg	cagcagtaca	gcgcccttgg	ataccaccaa	360
tggcgtggg	gctaccagaa	ttggtctcag	ctcgaggaag	tagtcaacaa	ctttgagcga	420
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<210> 8568

<211> 354

<212> DNA

<213> A.fumigatus

<400> 8568

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cacgacgttc	acatctacat	cgtatctgcc	ggacaacccc	acccgggcgt	tcgcgacgtc	180
aactaccctc	cagatgtgat	taatcatggt	caggagggcc	atgaccttgc	cgtgcacgcc	240
atttctccca	actccaccca	tgtggaacgg	cgtccaggaa	tacgatgttc	acagtctgtg	300
gggccaccaa	atcctcaatg	ctacctacta	cggactgcgc	caggtcttca	ctga	354

<210> 8569

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8569

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gtcaaagtga	cggaaaggta	ctcgggggat	attccttact	taattacagt	ttccaaaact	180
ctcgaacgaa	cagcttggtg	ctaa				204

<210> 8570

<211> 186

<212> DNA

<213> A.fumigatus

<220>
 <221> unsure
 <222> (126), (174), (175)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 gccgangaag gcgacagtgg gaccgcattg acggaatatc tggggcctgg gccnnaagaa 180
 aagtga 186

<210> 8571
 <211> 540
 <212> DNA
 <213> A.fumigatus

<400> 8571
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 ccagtcacat cctccatctc taaccacaaa gcattcaacc gactatatat catcgtaacc 180
 ctgccattca caccgtgtcc tacagaatca acaactatgc tgaccaaagt gtctctcgaa 240
 tctcacaccc agcagctcac gcaatcgctc gcccaagcca acctcaccgc cggcttactc 300
 cccttcctac cccagattt caaccctacc acccagctgc acgtctcctt caacgataag 360
 cccgtatcct tggggaatct ctttcgcgcg agcgaatgca aaacagctcc aagcgtatct 420
 tttcccaaag aggtaggtcg tactttgcca atagccctat ctccagcccc gcgcagtcta 480
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<210> 8572
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 8572
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 gcgaaattcg tcacctccac tgtgggaaat actgtcggcg gggctctctg cactgttggt 180
 ggagtgaatg gtgcagctgc tgcaggagtt ggcgccacca tcacaagtgc aaccggaagc 240
 gcaggaaagc ctggttgaga tgcgttggga agtgtcggga cgggcgttga agatgcggcg 300
 aaccgagttg caaagggagt tgaagatgct gggcaatggc ggtaa 345

<210> 8573
 <211> 1401
 <212> DNA
 <213> A.fumigatus

<400> 8573
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 gtcaaccctc aagcctatgt caatcaagat tcggctttga caaactcgtt cctctcccaa 180
 cagcgtttgg gtattcatga tcctcgctac gcttcgcaac tgccgcctca agaggatttt 240
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 accatagatg caggtttagc ctccggtgag ggttcgaagt atgggtcgcc agcgggaagac 360
 acgcgtttcc ctatgtctcc gagtcaccgt tacctaaccg ctcttgacgc acagctcccg 420
 ggcgtgtttg acagtcaagg catttcgcac gtgcgtcgtt atggccccgt tgccgcgtcc 480
 gtgccatcga agttcggggt ggatctggcc tctcctccag cgcagagaat ggggtggtccg 540
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<210> 8574
<211> 471
<212> DNA
<213> A.fumigatus
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<210> 8575
<211> 396
<212> DNA
<213> A.fumigatus
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<210> 8576
<211> 237
<212> DNA
<213> A.fumigatus
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<210> 8577

<211> 210
 <212> DNA
 <213> A.fumigatus

<400> 8577
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 caagcatcag acacttgtct gcgggacaat gtccgcacct tctatcctct atatattctt 120
 tcctttgttt acacagtata tagcttctgg accttgtttt ctttcgaaac tctgaatata 180
 aggctgagc atatttcagc aattgttttag 210

<210> 8578
 <211> 1551
 <212> DNA
 <213> A.fumigatus

<400> 8578
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 ctggacggaa agacaacgga acccaaggac cgagaggaag aaaaagcgaa catgccaac 120
 gggaaagccg tggacaagaa acatgatata aactaccgtg acgaaccagt cgcattcttc 180
 ttcgtccttt ttggcttggc attcgaagct ctgggtgacc aatcgacaac gccatctcaa 240
 cgcttagata tcctgcaagc cctcaagaga attttgcggc cagtcataatc tggaaatgca 300
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 ccatcagcaa aggtcgggga tgcgcgcagc gatcatcttt ctgatgatat cgagcagctt 480
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 aacactttctg tggcccgatt caacgtgacg tcggatgact ccttgctcgt gatccggtta 600
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 aatgcatgta ttttgacat cttcaccacc attttggcga ccgggctgtg tcaagcggaa 720
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 gtcattgcac gtacgctagt ctcgtacgcc accagcgcta cctttgctgc aagtgaactg 1260
 cccacagcat tctccattgt catgtccgcg cttctcgcac gcgccaaacg cgagagttac 1320
 ccggtctaca gagaaaccgc cgctcatcta ctgagcctg ctgcagcgga ccaggccacg 1380
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 cgaagttag atcctggaac ggggtgctggc gctgggagag ctgaaacaaa tgggtgcgcag 1500
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<210> 8579
 <211> 342
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (39), (111), (159)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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tacctgacct	ccatcgcggg	cgagcagggc	tggggctgnt	actggctcag	cggcgtcacc	180
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agtggcaccg	cctgcgatgc	gtttcaccag	gccggtggca	acggatgcta	caccagagc	300
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<210> 8580

<211> 1641

<212> DNA

<213> A.fumigatus

<400> 8580

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ccttccaaga	ccttcgaaaa	tcacaagatg	gatatgcagg	aggggtcagt	agcttctgct	180
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ccggatattg	actttcgaca	gcattgccacg	agatttgctt	ttgttagcag	gaaagctatc	540
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gagttggact	atacgtacac	tctggtcggg	ggctaccctg	gtctgtttct	tcaaattgct	720
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agagagctcg	aaagcctcgt	tctggccagg	tcaagcgctg	acgctgccga	tatcaaggag	1020
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cgtgtctggg	ctacgaatcc	tcgtcgccca	aacgaggact	tcctggctga	agcggcggat	1560
atggctcagt	cggttgggtt	gcagtgtgac	ttggtcgtcg	acgagctcgg	ctcggggctt	1620
tgggttgccc	gggcatactg	a				1641

<210> 8581

<211> 210

<212> DNA

<213> A.fumigatus

<400> 8581

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gatctgctgt	tacaccaacc	aaaagtagcc	gatacttcgg	gattttttct	tacttaccat	180
cccggctcca	gcattgtctc	ggcgacataa				210

<210> 8582

<211> 1587

<212> DNA

<213> A.fumigatus

<400> 8582

tctcctcccc	gtggtgaaga	caagaattat	attatcctca	agaaggacaa	gctctacgtg	60
aagcacaacg	tgctcagcga	agacatcccc	atcggtatcc	ttttgagagc	catgggtata	120
cacacggagc	aggagatgct	gctcctagtt	gccgggtgctg	acagtctcta	ccaggatgac	180
tttgccatca	acttcgaaga	aagcataaaa	ttgggaatct	acactcaaca	gcaagcgttg	240
gactggatcg	gtgcgcggtat	taagatcaac	cggaaacagt	catcgtatcg	ccgaactcac	300
attcaagaag	ccgttgaggc	tatcgctct	gtaatcattt	cccacattga	agtcaagaat	360
atgaacttcc	gaccaaaggc	ggtatacgtc	gctcacatgg	cgcgtcgagt	tctgatggcc	420
aagaatgacc	cctccctggg	tgatgatcgt	gactacctag	gaaacaaacg	tctcgaattg	480
gctgggcagc	ttcttgctct	tcttttcgaa	gatctgttca	agaaattctg	cttcgacata	540
aagatgaaca	tcgataaagt	gttgaataag	cgcaaccgtg	ctgaacaatt	cgatgcgtgg	600
actgtcatga	gtatgcacag	caaccatata	actcagggca	tgaaccgtgc	catctcgacg	660
ggtaactgga	gtttgaagcg	tttcgcgatg	gagcgtgctg	gtgttaccga	cggtctgagt	720
cggcttagct	acatcgccgc	gttgggtatg	atgaccctga	tcagcagtca	gttcgaaaag	780
accagaaaag	tcagtggccc	cagagctctg	cagccgtctc	aatttggtat	gctttgccc	840
gcagacaccc	ctgaagggtga	agcctgtggt	ttggtaaaga	acttggcgct	catgacccat	900
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gacataatgg	ccttgggtgg	taaacagtta	tacatccccg	gcagttacac	aatttccatc	1020
aacggaacgc	cgatagcact	cactcgctgt	cctaagtatt	tcctcaacgc	ttttcgcaga	1080
ttacggcgca	tgggtcgctat	ctcggagtgt	gtcagcattt	acatcaacca	tcaccagtgt	1140
gcagtacata	tcgccactga	cgatggacgg	atttgcagac	ctctcatcgt	tgtggaaaat	1200
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gatgatttct	tggctcaggg	gttggtcgaa	taccttgatg	tcaacgagga	gaacgactcc	1320
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tttacgggtgc	ttggagctgt	cgctggtttg	atcccgtaac	cgcaccacaa	ccaatcgccc	1440
cgtaacacat	atcagtgtgc	gatgggtaaa	caagctattg	gagccattgc	atcaaatacag	1500
ttccttcgta	tcgattctat	cctttacctc	atggtgtacc	cacagaaacc	catgggtaaa	1560
tcacgcacaa	ttgaactggt	caagtat				1587

<210> 8583

<211> 246

<212> DNA

<213> A.fumigatus

<400> 8583

gaccgcactg	acctggcaca	ggagctggcg	gataaaactag	gagtcaagct	gtcgcaactg	60
gcactggcat	ggtgcctgaa	gaacgaaaac	gtatcctcgg	tcatacggg	cgcctcacga	120
ccggagcaaa	tcgtcgacaa	cgtcgagagc	ctgaagctgc	tcccgaagct	cactccggaa	180
gtgatgtccc	agatcgacga	gtatctgggc	aacaagccgg	cgcaggatcc	cgctcgacag	240
gactaa						246

<210> 8584

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8584

ctggggcgtc	aactttttcg	acacggcaga	aaggatgccc	tctcacgcct	gtgcaatgat	60
ccaagctcac	gaagcagcta	tgcaaatgga	caatccgaag	tcgtcatggg	acaagccatc	120
aagaaattcg	ggtggaagcg	aagcgacctg	gtcatcagca	caaaggttcg	tcctgggcca	180
attgtgtgta	actcaggctg	a				201

<210> 8585

<211> 621

<212> DNA

<213> A.fumigatus

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<400> 8585
ctcaactggg gcatggcaaa tggtgaaatc ctcacatcaaca accatgggtct atcacgtaaa    60
cacatcatcg aaggcaccgc ggcgtcgctg gaacgcctgc agctggaata cgtcgacatc    120
atctacgccc accgaccgga ccgcctgacg ccgatggagg agacgggtgc cgctttcaac    180
catgtgattg agaaaggatg ggctttctac tggggcacct ccgaatggtc ggcagacgag    240
atcgccgagg cctgcggcat cgcccggtca ctagggtctca ttggggcccat cgtggagcag    300
cctctgtaca acatgtttgga tagacgcaag gtcgaggggg agttccagcg gctgtactcg    360
cgctgcggga tgggcctgac caccttctcc ccgctgaaga tgggtctcct gagcgggaaa    420
tacaacgatg ccacgacgca gcctccccct gggtcgagat tcgccgagag caacgaccgc    480
ttcgccaaca aggtccggca aaattatggt aatgacgaat gggcggcgac tatcaagaag    540
attgtcggtc tgaaggcagg tattcattct ccccttctta ggaccgcact gacctggcac    600
aggagctggc ggataaacta g                                621

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<210> 8586

<211> 402

<212> DNA

<213> A.fumigatus

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<400> 8586
gactatatag aggtcacctt caactgcatg aaacaagcat atgactgcgg cgtcaacttt    60
ttcgacacgg cagaaaaggta tgccctctcac gcctgtgcaa tgatccaagc tcacgaagca    120
gctatgcaaaa tggacaatcc gaagtgcgta tgggacaagc catcaagaaa ttcgggtgga    180
agcgaagcga cctgggtcatc agcacaaagg ttctgtcctgg gccaatgtgt tgtaactcag    240
gctgacagat gtagctcaac tggggcatgg caaatgggtga aatcctcatc aacaaccatg    300
gtctatcacg taaacacatc atcgaaggca cccgggcgct gctggaacgc ctgcagctgg    360
aatacgtcga catcatctac gccaccgcac cggaccgcct ga                                402

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<210> 8587

<211> 606

<212> DNA

<213> A.fumigatus

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<400> 8587
ggtgagactg tgatcgatct aggaagtggc ggcggcatcg atgtcatcct cgctgcgcgc    60
aaagtccggtc caaagggaag ggctatcgga gtcgacatga ccaaagttag tattcacgtc    120
tacagagcgg attatacgct tccggcgagt gacttacttc caatctacca gaaaatgctg    180
gctctcgccc acgaaaacgt cgaaaaagca ggcataacca acgcttcctt tgtcgaggga    240
ttcatcactg ctatcccact cgaggattcg acagctgact gcatcatcag caactgtgtc    300
gtcaatctcg tgccaaaaga gcagaagagc cttgtctttc atgagatgtt ccggcttttg    360
aaacctggag gtcgagttgc gatcagtgac atccttgctc ggcgggagct gccacccgaa    420
atcgcgaaacg atttggcgct gtatgttggc tgcacgcgtg gtgcaagtca ggcccagcaa    480
taccatgcgt atctgaagga cgccgggttt ggcggtacgt caaccaaccc acttgcgact    540
gaccggaaga tgctgattct atgcgcagag tattcaacac gggcctggaa ggtaccgcga    600
atgcgt                                606

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<210> 8588

<211> 1131

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (58)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8588
 gatattcgac aatttccaag ccttgaggcg aaactgccca aagaaggcga gaaggcgnc 60
 gcgggaggta cgacattgat tcacgactct gtgactccg acgacatcgc aaacgtcgtg 120
 tctcggacaa ccggcatccc tgtcaacaag ctcatgggtg gagacgtgga gaaactaatt 180
 cacatggagg atacgcttag gcagtcgggt cgtggacagg acgaagctct cactgccgtc 240
 gccaacgctg tgcggatgca gagagcgggt ctgagtggtc agaatcgtcc gctagcatcg 300
 ttcattgttct tgggtcctac cgggttagga aagacagaac tctgcaagag gatggccgaa 360
 tttttgttct caactgagac tgcctcttta agattcgata tgagcgaatt ccaggagaaa 420
 cacacaatca gtcgccttat tgggtgcct gccggatacg tcggttacga tgatgccgga 480
 cagctcacag aggctgtgag acggaaacca tacgcagtc tgttgttcga cgagtttgaa 540
 aaggctcatc gtgacatata cgcgttgcta ctgcaggttc tagacgaagg cttcctaacg 600
 gactcccaag gtcacaaagt tgatttcagg aataccctca tagtcttgac ttcgaacctc 660
 ggtgccgaca tcctcgttgg cgcgaaccca ttgcattcct tcaaggatta cggcaatgcc 720
 gagctctccc ctgacatcaa acaggcgggt atggaagtgc tgcagagtgc ctatcctcca 780
 gagttcctca atcgatcga tgagttcatc atcttttagga gactctcacg agaggcgttg 840
 cgggatatcg ttgatatccg aatcaaggaa ctccaggcaa ggcttgatga ccgccgcatt 900
 gtcttgaag tcgacaacga gatcaaagat tggcttttgc agaagggcta tgatcccaag 960
 tatggtgctc ggctcttaa tcgtttgatc gccaaaggaga ttggtaatcg gctcgtgat 1020
 aagatcatcc gtggtgaatt gacctcggga caaactgccg tcatctcgtt caacgaggac 1080
 aagaccgcgc ttgaagtcac agcagatggt gcgaaggagg aaaaggcatg a 1131

<210> 8589

<211> 276

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (255)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8589
 ttgttaagga ccccaaaaaa tttcaggaag gccctaaagg ccaaccaaag aggatttgcg 60
 aaaataccaa gggtttgaa aaagaagagg ccagagattg agtccctcaa gcgcacaaag 120
 aaagaacttg aacgtgctcg gtttgagctc gaccgagctt cagagggagg gaatttttgc 180
 gaaagctgga gaattgagat attcgacaat ttccaagcct tgaggcgaaa ctgcccacaa 240
 aaggcgagaa ggcgncgcg ggaggtacga cattga 276

<210> 8590

<211> 186

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (186)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8590
 catctcctct tttgtatatt agaaagtaac ttgaagaaga acaaattgca tgaacagatg 60
 aattgtctcg tggttcggaa ctgtaacaat caggaccata tggaccctgg aagcctgagg 120
 cttaagacta accaacaacg gaggcaagtc aatgcttctt ggatcaacat tattatcagc 180
 atttgn 186

<210> 8591

<211> 474

<212> DNA

<213> A.fumigatus

<400> 8591

gacgtgtg	gcgtcaaa	ctccccct	agtcagta	tggggatg	aacaatgg	60
gagcttgt	cacagttt	gtatctca	gccagatg	ggcggttg	tgtcgcat	120
ctccatct	ccaattcc	atggcttg	gaggaaa	cccatcct	ccctaata	180
gaggtgtt	tgcgtgtc	gggtcaat	tcacctat	tgctggca	cggttatg	240
gcggcatc	cagagaag	gacggagc	atggcggc	cgacttac	caatgtgg	300
attgcttt	ggaggtac	tatctcga	ccagacct	ccttcggg	catggctg	360
atccagct	aaaagtac	tcgtgcct	ttctatag	cgctatca	agaaggct	420
cttaattac	ctttcagc	tgaatatg	gcattgca	atttcccc	ctaa	474

<210> 8592

<211> 1512

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (416)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8592

tcgagctt	gtttgaac	gggaaagc	aacacata	ggaataaa	caaattgt	60
cgaaattt	ggagaagc	aggccggc	tgggcgc	atggatgt	aagaggag	120
ttctgcgt	ctctgtcg	ctgtcatc	ttgttggt	tacttatc	ctgtgggc	180
cgcgccgt	atatgccc	agaacccc	aaaattat	agaatatc	catcacct	240
ggcgtca	gcgaacc	ctttgacg	ctccgcgc	tggatgtt	aaaacttt	300
cagtatga	ggcgtgac	gttcgtcg	cgttcctc	agccggag	ccccatcc	360
caacggct	acatcccc	ccttcagc	ccatcgtc	gcgatga	tcgtangat	420
ggtctgcc	cgcagga	atgttac	gaaccccc	ttacgggt	ggtgcctc	480
tcacctgc	gtgtggat	ttcgcat	gactttgg	ttgtacga	tttagaac	540
ctgaacga	cgttagac	cttcacc	tgggctgg	acacacgc	gcgtattt	600
gccttgg	aaccggat	acgagtgg	gaagtcca	ccaaggcg	tagcctgg	660
atcaacct	ttgtgaca	gtcggagg	gagtatca	ctcgatat	ctcattgg	720
gccccat	cgaagaac	gcgcccgc	acacgctg	cctgcgtg	tgacgatg	780
actttttt	tgtccatg	cgccttgg	gatgcgct	ccgaatac	cgacacga	840
cccatgt	ttggaggt	gtcggag	gtttcgca	ttggcatc	tggcctga	900
ggattcgg	gcgcgggc	ctttctgt	cgtcccct	tgcagca	gagcaacc	960
gacgtctt	aagcctgt	agctatgc	cacaccgg	accggagg	ctcgctct	1020
atataacc	acacggag	gaagctga	gtggata	gactgcgg	gctcgaca	1080
cgaggcga	cgtcgggg	cttcgagt	ggacgcga	caccgcta	cgtgcacc	1140
tggaaatc	ggttccag	cgacatgg	aaactcag	tcatacga	tctctcgg	1200
gataagt	tcctgcgc	gtggcagt	tcagacgg	ggaccctc	caatggct	1260
tccatcg	aatacagt	cgagatcg	ttagacga	agaccatg	ggtctcat	1320
gtcggcg	acggagcc	cgacgagt	ttcatgca	cgctcggt	tctcaggc	1380
aaggacac	gcaaattc	ctatcttc	gaggactc	tgttcctt	caaccaag	1440
cgccaat	acgtccac	cgacgcgg	aaggcgat	agatcata	attgatct	1500
aagatgg	cg					1512

<210> 8593

<211> 1473

<212> DNA

<213> A.fumigatus

<400> 8593

ataacgccac	cgcggatcct	tccgaccgct	gtggtgaaga	cggcacaatg	gaaagagaaa	60
aaagtgttcg	aggtcgatgc	cccgtctctg	tcggaagttc	ctcccagcac	cctgtcatcc	120
gcagagcttc	gggagaagta	tccaaagtcc	ttcggaacca	tggcatatcc	ttacatgaac	180
ggtactctgc	acgctggcca	cagtttcacg	gccagtaaaa	ttgaattcat	gaccggcggt	240
gcccgcattg	agggttaagag	ggctcttttc	cctcttggct	tccactgtac	gggtatgcct	300
atcaaagcct	gcgagacaaa	gcttgcagat	gaagtcagaa	agttcggcaa	gaacttcgaa	360
cgtacagtg	aagaaagcga	ggagcaggat	cccactgcag	ttgcagcccc	tacgcaggaa	420
atcaaagctg	agcaagagaa	gttctctgga	aagaagagca	aggccgccgc	gaagaccgtg	480
aagatgaagt	atcagttcca	gatcatgttg	gccatcggct	tgccacttga	ggagatccac	540
aagttcgccg	atgctaacca	ttggcttcac	cacttcccac	cccttgccat	tcgcgacctc	600
gacagcctcg	gtgctagagt	ggattggcgc	aggcagttcg	ttacgaccga	cgctaactct	660
tactacgact	ctttcgtgcg	ctggcagatg	aaccgcctcc	acgagctcgg	caagattctg	720
tacggcaacc	gctatactat	ttattcgccg	aaggatggtc	agccttgcat	ggaccatgac	780
cgcacagagg	gtgaggggaat	tggtcctcag	gaatatactg	ccatgaagtt	gcaggtgaag	840
gagtgggccc	cagaaattgc	tgagctggtc	aagggaaaga	tcgaggatga	tgccaagggt	900
tacttcgtgc	cagccacttt	gcgtcctgag	acgatgtatg	gacagacttg	ctgcttcctc	960
ggtcccaaga	tcaagtaagg	aatcttcagg	gtcaaggaga	aggaatacta	catcgtgacc	1020
aagagagcgg	cctggaatat	ggccttccag	ggaattttct	tcgacagcga	acactttccc	1080
aagacgcagg	acgagctgcc	actcgtccta	gaagcgctcg	gttcgcgctt	tgtaggcacc	1140
cttgttaacg	ccccactgtc	gttccacact	gagggtgtgc	gcatactgcc	tatggagggt	1200
gtctctgcca	ccaagggtac	cggcggtgtt	acatcagtc	cctcagatag	ccccgacgac	1260
tacgtacct	tggtcgatct	tgccaagaag	cctgaatact	atggcatcaa	aaaggaatgg	1320
gctgaactgg	aaattttccc	tctcctcgag	acccaacat	acggtaacct	gaccgcccct	1380
acgcttgtca	agaagctcaa	gatcaactct	ccaaggatg	tcaaccaact	tgacaggcc	1440
aaggagtgg	catacggcga	agcctactac	tag			1473

<210> 8594

<211> 420

<212> DNA

<213> A.fumigatus

<400> 8594

agcgcggctc	cttcgacccc	cgtggtgaag	acgggctcga	agaccgcaac	gtcacgtccc	60
atgttacagc	caggaaccac	accaggtcca	ccgacaaggg	cagcgccaac	gttggataga	120
atgcctccgt	acaagttggg	catgaccatc	acgtcgaatt	gctggggccg	agaaacggcc	180
tgcattgatg	catgtgcgac	aatcatgtcg	ttaacttcca	gagtagggta	catctcggcg	240
accttgttga	aagtactcgg	aaacaagcca	tcggcgagtt	tcatgatgtt	tgcttatgg	300
atgcaggtga	ccttctttct	gttgttggcg	agagcaaatc	cgaacgcaaa	tttagcgatg	360
cgtctgact	ttgcacgggt	gatgatcttc	agcgactcaa	ccacaccctg	tactgactga	420

<210> 8595

<211> 792

<212> DNA

<213> A.fumigatus

<400> 8595

tgcaaagggtg	atgggtatcgg	tgcggaagtt	gccgagtcag	tcaagaccat	tttcaaggcc	60
gacaacgtcc	ctattgaatg	ggagcaggta	gatgtcagcg	gtgttgatac	aggcaacaag	120
cattcggagg	agctcttcaa	ggaatcaatt	gcctctctga	gacgcaacaa	gctcggctct	180
aagggtatcc	tgttcacccc	tgttgagcgc	tcggggtcacc	aatcattcaa	cgttgctctc	240
cgtcagggaac	tcgatatctt	cgttctctac	gttctgatca	agaatattcc	cggctacaag	300
acacggcgaac	agaacgttga	tctctgcatt	atccgtgaga	atacagaggg	agaatactct	360
ggtctcgagc	atcagtcagt	acagggtgtg	gttgagtcgc	tgaagatcat	caccctgtga	420
aagtcagagc	gcacgcgtaa	atttgcgctt	ggatttgctc	tcgccaacaa	cagaaagaag	480
gtcacctgca	tccataaggc	aaacatcatg	aaactcgccg	atggcttgtt	tcgcagtact	540

ttccacaagg	tcgccgagat	gtaccctact	ctggaagtta	acgacatgat	tgtcgacaat	600
gcattccatgc	aggccgtttc	tcggccccag	caattcgacg	tgatggtcac	gcccacttg	660
tacggaggca	ttctatccaa	cgttggcgct	gcccttgctg	gtggacctgg	tgtggttctt	720
ggctgtaaca	tgggacgtga	cgttgcggtc	ttcgagcccc	tcttcaccac	gggggtcgaa	780
ggagccgcgc	ta					792

<210> 8596

<211> 420

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (382), (384), (398), (408)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8596

catatcaagt	tgacaatacg	tgtaccggac	tatgtcattg	gcgatccttt	ccgtctgcgt	60
cagatcattt	tgaacttggg	cggcaacgcc	atcaagttca	ctgagcatgg	agagggtcaag	120
cttacgattc	gcaaatacga	tcgagagcaa	tgtgccccca	acgaatatgc	ctctgagttt	180
tcggtctcgg	acaccggcat	tggtattgaa	gaggataagc	tggatctcat	ctttgacacc	240
ttccagcagg	cagatggatc	caccacacgc	agattcggcg	gtacagggtc	tggcctttct	300
atttccaagc	gtcttgtcaa	cctgatggtc	gggtgatgtg	gggttacatc	cgagtacggg	360
agtcttcacc	tgggggctgg	cnangtgcca	ctcagttntc	aaaggggnat	tcaatgcccg	420

<210> 8597

<211> 2586

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (557)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8597

agggttactt	ctagctcgcg	tgagcagtg	gccaaactac	caggagagcc	tagccaagca	60
aaggcggcat	ttgaatttga	gttggaggct	ttaattcgac	gtgttcgcca	tctagagttt	120
caagttgtca	gtcatcaacc	atacccccga	cctgcccccg	agttaccttt	gtcttcacc	180
aagaattctg	attttctctg	gcttttcggg	ctatctcgcc	tgtctctca	tgaaggagct	240
gcttctaact	cttcttgcgg	catgcagcag	gaaacttcaa	gacgtcgtca	gagaacaagg	300
agaatccgcc	gcgaagcggg	agacaatgag	gctgatgagg	cgctcgatga	cgacgacagt	360
gatgatgatg	ttaactcgag	aactcgactc	gttcgcgagg	aagacatcag	ttatctgcgg	420
aatcatgtac	agaaacaggc	agaggaaata	agcttccaaa	aagacatcat	cgctcaagtt	480
cgcgacgagc	ttctgcagca	ggaggagcac	acgcgacggg	cattgaccaa	ggttgagaat	540
gaagatgtag	tcctgtngga	acgcgagcta	cgcaagcaac	agcaagccaa	cgaggctttc	600
cagaaagccc	ttcgggaaat	tggcggcgtc	atcaccagg	tcgcaaattg	tgacctgtcc	660
atgaagggtg	agattcacc	cctggaaatg	gacctgaga	tcgccacctt	caagcgcacg	720
atcaacacga	tgatggatca	gctgcagggt	tttggtagt	aggtgtccag	ggtcgctcga	780
gaggtcggga	cggaagggtat	ccttgggtga	caggctcaga	tcaactgggt	tcacgggatt	840
tggaggagc	ttacagagaa	cgtcaacatc	atggccaaga	atctcactga	tcaagtgcgt	900
gaaattgcgg	cggtgacgac	cgccgtggcc	catggcgatc	tcagtcagaa	gatcgaaagt	960
cgtgcacagg	gcgaaattct	ggaactgcaa	cagaccatca	acactatggg	tgatcaactg	1020
cgcaatttcg	caacagaagt	cactcgtgtc	gctcgtgatg	ttggcaccga	aggtgtactg	1080
ggtggacagg	cccagatcga	aggcgtccaa	ggcatgtgga	atgagctgac	tgtcaacgtc	1140
aacgccatgg	caaacaattt	gactacccaa	gtgcgagaca	ttgcgacggg	caccaaggct	1200

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gtggccaagg gtgatctgac acagaagggt caagccaact gcaaggggga aattgctgag 1260
ctcaagaaca ttatcaactc catggtggac cagctgcggc agttcgccca agaggtcacc 1320
aagattgcca aggaagtagg tacggatggt gttctcgggt gccaggccac cgtaaagtat 1380
gtggaaggca cttggaaaga cttgaccgag aatgtcaacc gaatggcaa caacctgacc 1440
acccaagtca gggagatagc cgacgtcacg actgctgtcg cgaaagggtga tctaaccaag 1500
aaggtcacgg ccaacgttca aggtgaaata ctagatctta agagcaccat caatggcatg 1560
gtcgaccgat tgaatacttt tgccttcgaa gtaagcaaag ttgccaggga agtcggcaca 1620
gacggtaccc tcggcgggcca agccaaggtc gacaatgtgg aaggcaaagt gaaggatctc 1680
acagacaacg tcaataccat ggcccagaat ttgacgtcgc aggtacgaag tatttcagac 1740
gtcacgcaag ctatcgcgaa gggtgacctc agcaagaaga tcgaagtcca tgctcaagga 1800
gagatcttga ctctcaaggt tacaatcaat cacatggtgg atcgtcttgc gaaatttgca 1860
actgaactta aaaaagtcgc tcgcgatgtc ggcgtggacg ggaaaatggg cggtaagcc 1920
aacgtggagg ggatcgcggg aacatggaag gagatcaccc aggatgtcaa tacaatggct 1980
gagaacctaa cttcgcagggt gcgtgcgttt ggtgagatta ccgatgctgc aaccgatggc 2040
gatttcacta agctcatcac tgtcaacgct tccggggaga tggatgaact caagcgcaag 2100
atcaacaaga tgggtctcaa tcttcgagac agtattcagc gtaacactgc tgccagggag 2160
gcgatgagc tggcaaatcg aacaaagtcc gattttctgg caaacatgag tcatgagatc 2220
cgggtctcca tgaacggcat cattggcatg acacagctca ctatagacac tgtcgacctg 2280
aagcctcaca cgcgcgagat gttgaatgta gtgcataact tgtcgaacag cttgctaaca 2340
atcatcgatg acatactcga catctccaag attgaagcaa atcgcatggt cattgaaagc 2400
atccccttca cagtgaaggg aactgttttc aacgctctca agacgctggc cgtaaggcc 2460
aacgaaaagt tcctcagtcg gacatatcaa gttgacaata cgtgtaccgg actatgtcat 2520
tggcgatcct ttccgtctgc gtcagatcat tttgaacttg gtcggcaacg ccatcaagtt 2580
cactga 2586

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<210> 8598

<211> 291

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (11)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8598

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ctcgcgttcc nacaggacta catcttcatt ctcaaccttg gtcaatgccc gtcgcgtgtg 60
ctcctcctgc tgcagaagct cgtcgcgaaac ttgagcgatg atgtcttttt ggaagcttat 120
ttcctctgcc tgtttctgta catgattccg cagataactg atgtcttctc cgcgaacgag 180
tcgagttctc gagttaacat catcatcact gtcgtcgtca tcgagcgctt catcagcctc 240
attgtcttcc gcttcgcggc ggattctcct tgttctctga cgacgtcttg a 291

```

<210> 8599

<211> 717

<212> DNA

<213> A.fumigatus

<400> 8599

```

caattgcaaa ggatcggaac cgtgatatca agcctgaatc aaacgtgtga agaaatgcga 60
caacacattg tccgagccaa gcaggatagc gcaccagtca tcgaggaaagc atctgcactg 120
atgaaccaga agaaggaatc ggagacaaaag caacaacttc tcgatgcgtt tgtgaagcac 180
tttattgtca cggaagatga cctacttggt ctcacatcgg cagaggaacc aattgacgac 240
cgctttttca atgtacttga tcgggtaaaa caagtgcata atgattgcga agtcctcctg 300
ggagggggaga accaacgact gggcttgga ttgatggaaa agagctccag gaatctgaac 360
tctgcgtatc agaaactctt cagatggata cagaagaaat tcaagtcctt aaatcttgaa 420
gaccacgaa tcagtagttc aatcaggcgc gctttgcgcg tactggccga acgaccgagc 480

```

ctttccata gctgcttga cttcttcgcc gacgcacgag attatgcctt gtccgacgcc	540
tttcattatg ccctaaccga caccgtctcc ggctctgggg gtgatcgcaa cgtgaaaccg	600
attgagttct ctgctcatga ccctctgcgg tacgtcgggtg atatgctggc atgggtccac	660
tctacgactg tatccgagag agaagccttg gaagctttgt tcgtagcaga gggcggg	717

<210> 8600

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (200), (238)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8600

gcatcgagct ttatctcttt cttttgcttc tgtttctcca agaataatat tatttggtat	60
tcttctttga tgacaattac ttattattat attgttattc tccgcctgtc tctcatatta	120
tactcccttg atacttcata ctgccgttct cagtcaattt atatatctgt ccacctctc	180
ccaatgtact gtgtcctgtn ttcagcccca ggggcccgaag gttcgcgaa tagccgcnaa	240
ccccaaagat	249

<210> 8601

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8601

cacgagactg cattctccgt tccaggctctg gccaaacttaa ggcgcgtttga caaggctgaa	60
ttcaagatgg cggttcaaag gacgcccaat gctgctcaag gcttgaccaa ttggactttg	120
gatggcgtct attactcatt tggcgcttagc attcaagttc atcagacatc tctgtccac	180
atactcaggc tgtccgggag agacatgggg tag	213

<210> 8602

<211> 192

<212> DNA

<213> A.fumigatus

<400> 8602

taccttactc ctgtcacttt ggaccatgaa tttcctgata tagtgtctgg agttaacttt	60
acaaaatgct tgctcgagcc tccctacgtc cattccatgt tcaagctcat tccaaacatg	120
ttcctgagca gcatctctca agccatactt gaagactctt gtctacctc caaaaacaaa	180
tgcttgatct ga	192

<210> 8603

<211> 477

<212> DNA

<213> A.fumigatus

<400> 8603

aagctctttt ccatccggtt agcatatgta ttacaccaa tttatcttca tctttcctgc	60
acgcaattac ggaggaatat cgtgttcgac tcatctccca ccattgtctc cgccttcacg	120
aatcaaccgc ccgaggagag ggtcccttac gccatccctc aattggaagg tgaacgcatt	180
actatccccg gtagcaaggg aacctttcgc attcttgcat cgtctaagca gacaaatgga	240
ttgatggcag ttttccaaag tgggtgctgt ttatctgatg tccccgatt ccactatcat	300
aaccaggcac acgacgtctt tcttgtaacg aagggatatt tgaaactgtg gaacggggat	360

aagtgtcgga ttatgggacc gggcgatttc gcatatgtgc ctctgtgag tagaaatcat 420
gttttccggt ttgctagtgc tttactgaca accctcttta cagaaagtca ttcataa 477

<210> 8604

<211> 756

<212> DNA

<213> A.fumigatus

<400> 8604

caaccctctt tacagaaagt cattcataat cccgagatgc ttgggcctca taccgagatc 60
tacgggtctga tcaactcctgg tgactgggta gatttcttcc gctatgtctc ggaaccatac 120
aaggggatcc tggttcccga ggacgacaac cgtgacctaa agtccatcct catccccaaa 180
gtcatggccg caaaagagaa atttgacgtg gtcttccaac ccaactacca acctcccag 240
gtgggtgaat tactaagga tgacgagaaa attccagatg gccacgaacc atactttctg 300
cgctctaaca caggcccga atggatgctg ggtgggtgtga tgtccagacc ctttatcacc 360
acgaaacaaa gcaatggcgt ctgcgcgatc tcgagcatcg agtcgtccaa ggtgtacagt 420
gaggggtctgc tttctaagta catgaccttc aagtctgtcg atcactgttt ctgtgtgttg 480
gaaggtacat tgaccgtacg tctcaagggt tctactgaca ccgttttccg tgagggagag 540
acgggtgggtg ttcccgtgg tcaggcattt gctctgcgat ttgacagcaa gtatgtgcgg 600
gtgtattcat tcaactgatgg tgatggcatt gagtgcgtgg tgcaccggct tggaaagccg 660
ttcgagggat ccgtgctgcc tgataaggag ccgaatggg agcacactca agtacaacct 720
gttgctacag agctcaatgt ggaaattgaa ctgtga 756

<210> 8605

<211> 414

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(32), (33), (37), (55), (57), (58), (60), (61), (62), (66), (82), (83), (84), (85), (87), (88),
(89), (90), (91), (92), (93), (94), (96), (97), (99), (100), (101), (102), (103), (104), (105),
(157), (187), (206)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8605

ctgtcctcgg aatatccggg acattttctt gnngagngca cccccaatc aaagncnnan 60
nnggnagga agcgaggacg annnnnnnnn nnnnannann nnnnaaaat caatctcaac 120
gagcgatata aatatgcgtg gatgatgcag caccagnttc agccatcttt tcgaaccccc 180
ccacagngtc caaagcgaca acgtgntacg caggcatgcg acagtgttcg cctgaagaaa 240
tacaaatgcg acgaattgta tccttgcaact cactgcagga gtaagtatgt cacatatact 300
ggtttcaata tgataagagg attgatcatg ggcagaaaac aagctcgaat gcatctatca 360
gaggaattac cggcagcgcg aaagcgaccg gtcagccagg tattttccca gtag 414

<210> 8606

<211> 852

<212> DNA

<213> A.fumigatus

<400> 8606

cataatacaa acagattgat cgcgattatg cttggccgcc tcaagatgaa cggtgaccaa 60
tgtatcgacg catacgttcg aatctccaag caggctttct ccaggaagaa ctatttacc 120
atcactctac aggggtgagtt cagggcgcg ctcgacagca agacgctcga agaggccctg 180
aaggccgtag tggtcgaaca aggcctggac gaggatgctc tcctctggga ccctgatacg 240
tcctgccgcg tctttgtctg cacactgaag aaaataactg ggaaggtcgt cagcttttcg 300

```

agctatgagc attgggctgg tcagtctagc ttgtacaagg ttttgaggat ctgggaggcg 360
ggaagggcga cttccgccgc gccgtcgttc tttgatccgt tggatgatatt cgatccggtc 420
cttagggtttg aacgggtggt tctcgatggg gcgcttgccg ccaataactc cgttgcacaa 480
atgtgggttcc atgctaagat gctctgggag gaagacctga agagtcggct ggggtgtctg 540
gtgtctttgg gtaccggcat gcggtctgag acggagttta ccgggggatt tatccaagag 600
ctgaagctga ggaagcgtac tctgacggat tcggagtttg aagcggacac atttgcctat 660
gagcattatg atctagttga ggaacatcgg tacttccgat tcaatgtttc gaatgcattg 720
ggggatattg ggctggagga ggtacagaag atggacaaga tcgtttctga gacaaggacg 780
tatcttgctg atgatgctgt tcgcgaggag attgcgctgt gtgctgcaac attacaaaag 840
aggcaagttt ga 852

```

<210> 8607

<211> 252

<212> DNA

<213> A.fumigatus

<400> 8607

```

agatgtcaga actgctggta ctccaatc atcttggagg tcaagttaga tatcaacaat 60
ctttacataa tggacatgga aaagcagacc gacaaggaga aattgaatct cctctgccta 120
gacggcggag gcgtccgcgg tctctcctct ctctatgtgc ttaaggatat gatggaagca 180
atcaatccat ctaatccgcc aaaaccatgc gaaatcttcg atatgatcgg tgggacaagt 240
gcaggcgggt ga 252

```

<210> 8608

<211> 588

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (198)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8608

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ggcttcggaa ggaggaccca gtcaatggtt ctgttgggaa agttggccag gataccgttt 60
gaagcaaacg tccgtattca agtgtcggcg agcaacttga tgggtggcttc tccggtgttc 120
aagaaagctc tgactggcaa agggaaggaa ggttcaactt ttgttggtag cggatcagtc 180
gtgattacca ctgagggntg ggatgtagag gcattcttga ttctccttcg aattcttggg 240
ggccagcatc acaaactccc aaagagggtg agcctcgagc tcgctgctaa gatcgctgtt 300
cttgacagact actatcagtg caacgatctc gtcgggttca tccgcgatgc gtggattacc 360
tgtctgcggg aagaacttcc agttacctac tcacggaact tgatcttgtg gctgtggatt 420
tcttggtact tcaatatgcc cctgaagttc aagaaagcga cctcggttgc catgtcgcag 480
agcaaggata agatcgatgc actggagctg ccgattccag cgcgcatcat ttgtaagtct 540
gtaccaatcc tctcagtaag agagattgct gaccacgaat ctagatga 588

```

<210> 8609

<211> 1554

<212> DNA

<213> A.fumigatus

<400> 8609

```

aaccagacaa agacaacccc tccactgcat ccatctaaaa tcggtcacct acagcacaag 60
cataccgaca ccagcaaaga gagcagtggc aatgtaggcc ccaaactgcc agttgccaac 120
cttgacagcc atggggctag cggcaacacc tgcggctccc ttggaagtct cacttgcgct 180
gccggagccg gagctgccag tggcaccggc ggtcacggac ccagtgccag cagttccggc 240
ctggctgata agagaggcgc aagagcccga agcatcagca cccttcttgg tctgggcctt 300

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gccatcaaag	tcacaggcgg	tgcgggcctt	gttggttctt	ttgtagtact	ggttcatgac	360
gaaagagagc	ttctgcttgg	cgctgcagac	gctgtaagct	ccgtagtcac	cgctggtgga	420
gttggaattg	attccaccgc	acacaccggc	ggcgagagga	tagtcgaaca	ggtcgccgta	480
ctccttctcg	tccacagaat	ccttcacagt	gcaggacaga	gtctcgacca	tgcagtcaca	540
cagctcgctg	ttgggactag	gaggcagctt	gttggaggcc	tcccacttgg	caccgaccga	600
agggcaggta	gggacggcag	tgttggaggc	agtgtagctt	gcactgttca	caccggtggc	660
cgttaccttc	tgcattctgaa	cggacaggta	ggagaaatct	tccttgggtc	tgacattgtc	720
gccgctgacc	gaaaccagac	cgtagtcatt	ggcctcctgg	aagtacatat	agacaatacc	780
accgctccag	acgtcgttca	tctggggacc	gtacagagcg	gcgacatcgg	taaaacttgcg	840
gggcttgggg	tcaatgcagc	cgtactcgga	gaagaaagca	gggacagggt	acttggaaaa	900
ttcctcagtg	cggtccttgt	agccagactt	ctcgaaggaa	gaatcaccgc	accactcgta	960
aatgttgtag	ccgaacatgt	cgatagagct	ctccttatca	ccgcagacaa	ggtagtcggc	1020
caagtcggca	ccgatgtggg	cgtcctcgtc	ggtggcgat	ccgacaagca	gggaggagcg	1080
gtaatccttc	gacttgatgt	acgacttcat	gtctcgacag	gcagccttca	cgtaggcaat	1140
cgaattgggtg	ttgttgttgt	cattggcgac	ctcgttaccc	gcgaaaaagc	caatgacatt	1200
gctgtacttg	gcaaaggcgt	caatgacgct	ggtatagcgc	ttgtagaggt	cggtgttcca	1260
ggcagggtcc	gcacggttga	tggactcaga	tggcgcgggc	aaatccgtaa	tcaggtagat	1320
gccggcgctg	tccaggagct	tcatacattc	atcatggtcc	ttcgtgggat	cgacagcata	1380
ggtacggatg	acattgggtgc	gcagctgctt	caggtaggga	atgtcacgct	tgcagttgtc	1440
aacattgggc	agaggatcgg	tgtagtcgga	gttctcggtg	gatgtgccgt	tggcctggta	1500
ctcctctgca	ttggattagt	ttcggggggc	gaccggttga	tgggatttct	ctga	1554

<210> 8610

<211> 1467

<212> DNA

<213> A.fumigatus

<400> 8610

tccaatgcag	aggagtacca	ggccaacggc	acatctaccg	agaactccga	ctacaccgat	60
cctctggcca	atgttgacaa	ctgcaagcgt	gacattccct	acctgaagca	gctgcgcacc	120
aatgtcatcc	gtacctatgc	tgtcgatccc	acgaaggacc	atgatgaatg	tatgaagctc	180
ctggacgacg	ccggcatcta	cctgattacg	gatttgtccg	cgccatctga	gtccatcaac	240
cgtgcggacc	ctgcctggaa	caccgacctc	tacaagcgct	ataccagcgt	cattgacgcc	300
tttgccaagt	acagcaatgt	cattggcctt	ttcgcggtga	acgaggtcgc	caatgacaac	360
aacaacacca	attcgattgc	ctacgtgaag	gctgccgtgc	gagacatgaa	gtcgtacatc	420
aagtccaagg	attaccgctc	ctccctgctt	gtcggatacg	ccaccgacga	ggacgcccac	480
atcgggtgccg	acttggccga	ctaccttgct	tgcggtgata	aggagagctc	tatcgacatg	540
ttcggctaca	acattttacga	gtggtgcggt	gattcttcc	tcgagaagtc	tggctacaag	600
gaccgcactg	aggaattttc	caagtaccct	gtccctgctt	tcttctccga	gtacggctgc	660
attgacccca	agccccgcaa	gtttaccgat	gtcgccgctc	tgtacgggtc	ccagatgaac	720
gacgtctgga	gcggtgggtat	tgtctatatg	tacttccagg	aggccaatga	ctacgggtctg	780
gtttcggtca	gcggcgacaa	tgtcaagacc	aaggaagatt	tctcctacct	gtccgttcag	840
atgcagaagg	taacggccac	cgggtgtgaac	agtgaagct	acactgcctc	caactactgcc	900
gtccctacct	gcccttcggg	cggtgccaag	tgggaggcct	ccaacaagct	gcctcctagt	960
cccaacagcg	agctgtgtga	ctgcattggtc	gagactctgt	cctgcactgt	gaaggattct	1020
gtggacgaga	aggagtacgg	cgactgttgc	gactatctct	gcgccgccc	tgtgtgcggg	1080
ggaatcaact	ccaactccac	cagcggtgac	tacggagctt	acagcgtctg	cagcgccaag	1140
cagaagctct	ctttcgtcat	gaaccagtac	tacaagaaga	acaacaaggc	cgcgaccgcc	1200
tgtgactttg	atggcaaggc	ccagaccaag	aagggtgctg	atgcttcggg	ctcttgccgc	1260
tctctgatca	gccaggccgg	aactgctggc	actgggtccg	tgaccgccgg	tgccactggc	1320
agctccggct	ccggcagcgc	aagtgagact	tccaagggag	ccgcaggtgt	tgccgctagc	1380
cccatggctg	tcaaggttgg	caactggcag	tttggggcct	acattgccac	tgctctcttt	1440
gctggtgtcg	gtatgcttgt	gctgtag				1467

<210> 8611

<211> 1146

<212> DNA

<213> *A.fumigatus*

<400> 8611

catcgatatt	gcaatagcac	cagccgtcga	tccttccagc	cccgtggtga	agacgggtgaa	60
ctgacggagg	gtgttggttt	cttctcggtc	tcgtacaatc	cagatgatgg	ccgtcgcagc	120
agtgtctagt	tggcatacat	ccaccctatc	ttgcgcgggtg	aggaaaagcg	ccccaacttg	180
actattctta	ccaacgcgtg	ggtgtctcgc	gtgaatgtcg	aaggagacac	cgtcaccggg	240
gttgacgtga	ctctgcaatc	cgggtgtcaaa	cacaccttgc	gagccaagaa	ggaaactatt	300
ctttgtgccg	gtgctattga	tacgccgaga	ttgatgtctc	tctcagggct	gggaccccg	360
gagcagctga	gttctctggg	gattccgggc	atcaaggatt	tacctggtgt	tgggtgaaaac	420
ctcctcgatc	accagagac	tattattatc	tgggagctca	accgtcctgt	ccccccaat	480
cagactacca	tggattcggg	tgcgggcac	ttcctgcggc	gcgaagctcc	caatgcgggt	540
ggctctgacg	gccgtgccgc	cgatatcatg	atgcattgct	atcagattcc	cttctgcctc	600
aacacggccc	gtctgggcta	tgaaccacca	gttgatgcct	tttgcattgc	acccaacatt	660
cctcgccccc	gctctcgtgg	tcgtctctac	ctgacctccg	cagaccctc	ggtgaagccg	720
gcattggatt	tcgcctactt	cactgacccc	gagggctatg	acgccgcaac	catcgtggcc	780
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gaggtggcgc	cgggacctaa	ggtccagact	gatgaggagt	tgtcagagta	cggtcgccgt	900
gtggctcaca	cggctctacca	ccctgctggt	accaccaaga	tgggagatat	ctctcgcgat	960
cccattggctg	ttgtcgacca	ccagctcaaa	gtccgtggcc	tgaacaatgt	ccgtattgcg	1020
gacgctgggtg	ttttccctga	gatgaccacc	atcaaccoga	tgtcgacggg	gttggctatc	1080
ggagaacggc	ctgctgagct	gatcgctgaa	gaggtcggtt	ggactcggga	acagcccaag	1140
ctgtag						1146

<210> 8612

<211> 342

<212> DNA

<213> *A.fumigatus*

<400> 8612

gaggagcatc	aatctcggcg	tatcaatagc	accggcacaa	agaatagttt	ccttcttgcc	60
tcgcaagggtg	tggttgacac	cggattgcag	agtcacgtca	acaccgggtg	cggtgtctcc	120
ttcgacattc	acgcgagaca	cccacgcgtt	ggtaagaata	gtcaagttgg	ggcgcttttc	180
ctcaccgcgc	aagataggg	ggatgtatgc	cacactagca	ctgctgcgac	ggccatcatc	240
tggattgtac	gagaccgaga	agaaaccaac	accctccgtc	agttcaccgt	cttcaccacg	300
gggctggaag	gatcgacggc	tggtgctatt	gcaatatcga	tg		342

<210> 8613

<211> 426

<212> DNA

<213> *A.fumigatus*

<400> 8613

tcgaggaggt	tttcaccaac	accaggtaaa	tccttgatga	ccggaatccc	cagagaactc	60
agctgctcac	gggggtcccag	ccctgagagg	agcatcaatc	tcggcgatc	aatagcaccg	120
gcacaaagaa	tagtttcctt	cttggtcgc	aagggtgtgt	tgacaccgga	ttgcagagtc	180
acgtcaacac	cggtgacgg	gtctccttcg	acattcacgc	gagacacca	cggttggtga	240
agaatagtc	agttggggcg	cttttctca	ccgcgcaaga	taggggtggat	gtatgccaca	300
ctagcactgc	tgcgacggcc	atcatctgga	ttgtacgaga	ccgagaagaa	accaacaccc	360
tccgtcagtt	caccgtcttc	accacggggc	tgggaaggatc	gacggctggt	gctattgcaa	420
tatcga						426

<210> 8614

<211> 393

<212> DNA

<213> *A.fumigatus*

<400> 8614

cagaagccaa	tgaagctctg	cggctttccg	gacgggtgtct	atgactggac	gaacggcgag	60
cgcatcgta	agacgggagc	ccgcttgacc	ctggagggat	ccgacaagat	cgagggtagt	120
tcggccaccc	tgatcgagtg	catcaacaac	ttccggcgct	ggtctggcgc	ctctatagct	180
gatgccatta	acgctgccac	ggcgactccg	gcgcgcttat	tggggttaca	aggcgtcaag	240
ggttccctgg	atagcggcgc	cgacgcggac	cttgtcgtgc	tgagcgagga	agacgacct	300
gagtcgcca	cgctaactgt	ctaccagggtg	tggaaacggg	gagtcaagat	ccatgactct	360
gataaagaaa	tagcgtctac	aactacagta	tga			393

<210> 8615

<211> 327

<212> DNA

<213> *A.fumigatus*

<400> 8615

gtgtccaagg	ataacctcag	aattctcgct	ggctacacgg	accaccaact	tccttcaat	60
ttctcccg	agcacaagca	aacatccgaa	actctgcacc	gcaccagga	tgtggatcgg	120
ttcgtcttcg	catgcttgat	aagaatcatt	ggctcttcca	gtgatgacca	tatggccacc	180
atcggctcact	acatgacgaa	atcgggcagt	aacaagacca	tgctcggaat	cgacctctgg	240
atcctgagtc	ttggtcagag	cggaatccgg	agtcgggggtg	ggactggcgc	tgtgagaacg	300
gccttggtcg	ggcggctcag	acgatga				327

<210> 8616

<211> 1584

<212> DNA

<213> *A.fumigatus*

<400> 8616

ccacgtcgg	cgccgctttt	gttttacaag	ctgtcatcca	gcattggcgtc	aagagccaat	60
gcctcctctc	caacgaggca	gaaaaatcac	caggacctct	ccgaaacgac	gtcagggtgct	120
gtaggagagg	aaggcgccgt	gactcgcgca	ccgaagtcag	gaatggagag	ttccactggc	180
ttcgagagtg	aagaccgagt	gtatccaatc	cggtcgggtca	tctccgttga	tccttcaacg	240
gtctctcagt	cgcaacagca	ggcggagagt	aattctgagct	caccgcgcac	cggagcgcga	300
gaatggtcta	ttatcaatgc	cgagacctgg	gataagatgc	gagcgcagac	aaaaacaagc	360
gcaggtaatt	tttccgctac	tgagccacct	ccaccagcgc	cggatactgc	aggttcatcg	420
tctgagccgc	ccgaccaagg	ccgtttctcac	agcgcagtc	ccaccccgac	tcgggattcc	480
gctctgacca	agactcagga	tccagaggtc	gattccgagc	atggtcttgt	tactgcccga	540
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tatcaagcat	gcgaagacga	accgatccac	atccctgggtg	cggtgcagag	tttcggatgt	660
ttgcttggtg	tgccgggagga	aattgaaggg	aagttgggtg	tccgtgtagc	cagcgagaat	720
tctgagggtta	tccttggaca	ctcaccacaag	tgtctctttg	cattaccaa	cttctgtgac	780
atthttggatg	aagagcagaa	agataatcta	ttggatcatc	ttgatctcat	ccgcgacgat	840
ggatttgacc	cttccgctga	tgcccccgag	gttttccttt	tgtctgtgaa	gctcccttct	900
ggtaaacc	ggcgattctg	gtgcgccacc	catctcagcc	cagccgactc	aaattcgatt	960
atctgcgagt	ttgaattgga	ggacgatcga	atcaatccct	tgagtgtttc	cggactaact	1020
accgcggtga	cgccgaccga	tactcttgga	gtcgaaccga	cgccggagca	actcgaacac	1080
agcacagtca	atatcagtca	accctcgca	ttgtacgaa	atgcgcgtcg	gagacgaggc	1140
gaggccgctg	caatggagggt	gttttagcatc	ttgtctcaga	tccaagatca	attgggtcgt	1200
accaagtcgc	tggtattcttt	gttaaacacg	accactgggt	tggtaaaaga	attgactgggt	1260
tttcatcg	ttctgatcta	tcagttcgac	accgaatgga	acggaactgt	tgttgctgaa	1320
ctggttgatc	ccaaagcgag	cgtcgacttg	tacaaaggac	tctgctttcc	ggcctcggt	1380
attccgaagc	aagcgcgtga	cttgatcgg	atcaacaaag	ttcgcttgct	gtatgatcgc	1440
gatcagggtca	catcgcgatt	ggtctgtcgg	acgctggagg	acttgcaaac	gcctgtagac	1500
atgacacatt	cctacttgcg	tgctatgtcg	cccatccacc	gtcttcacca	aggggcccga	1560

1584

 $\langle 211 \rangle$ 231

<212> DNA

<213> A.fumigatus

<400> 8617

gatatctctc	cgacttggat	tgtcagcgat	ggccagaaat	tccagactga	cagcttgcag	60
ctcaagcttg	atagggcgaa	gcaaagggaa	caggcaatca	ggaaagggca	gatggcggat	120
cccaatcaac	ctacctact	gaatcaagcc	attacacccg	tcggtacctg	tacgagtatg	180
tgtcccgctc	tcaccacggg	gctggaagga	tgcgcgctga	gagattcatt	t	231

<210> 8618

<211> 849

<212> DNA

<213> A.fumigatus

<400> 8618

tattccagtg	tgtttctttc	agctctcttc	catcacatcc	cacttctgtg	tcaaagcaac	60
ctccgcagac	agaccatgaa	cacggccatc	atcactggcg	ccgcccgaag	cgtgggcctc	120
tgcattgctg	aagcccttgc	ccaacgcaac	tatcgcatcg	tgtcagcga	catcgacact	180
gaaaagggcc	ccgccgctgc	ctccaagctc	aacctcactc	acggcgaggg	cactgccgcc	240
ttcttccatt	gcgatctctc	caatctacga	gaaattgatg	ccctcctctc	cttcaccatc	300
gagaccatgg	gggatttttc	ggtgctgata	aacaacgcgg	ggtaccttcg	cgcgccgttc	360
ctcgcgctct	ccgcgcagga	catccaggat	atgatcacag	tcaatctgac	ggcgccatt	420
tacgccaccc	aacaggctat	caagtactgg	gatgggcctc	accagggcca	agccgcatgc	480
gtggtcagcg	tgacctcttc	ctcgtcgttc	aagacgtatg	cgagcatcgc	accgtacggg	540
gcggccaagg	caggcgccgc	catgtttacc	tttgcggtcg	gggcgtttca	tccacgcgtg	600
aggggtgaatg	cggtggcgcc	gaccgcaatt	gcaacgggct	ttgacaagaa	tcgcatgcgg	660
gtagagacgg	accgcacggg	cccagggtat	acaccgcagg	aagagatcgc	ggcaatgggg	720
ttgaagagtg	tgcagccgca	agaagtggcg	gaagcgggtg	tgcgatgtgt	ggaagacaag	780
gggctgatgtg	ggaaggctct	gtacttggat	gcggtggagg	ggatcaaaat	acatgatgga	840
tatacgtag						849

<210> 8619

<211> 450

<212> DNA

<213> A.fumigatus

<400> 8619

agtgcgctac	cttccagccc	ggtcgtgaag	atgcctcggg	tttctttcac	caaggggacc	60
accttgcaag	ggcactatat	ccgcgcgggc	accgagatag	cattcaacct	catcgccatg	120
aataaccgcg	aggacgtctg	ggaggaaccg	gagaggtttc	tgcgcgaccg	gttcttgaag	180
gattccgatt	tgaagcgaag	tgtctttgcc	ttttcgtatg	ggacgcgcag	ctgtataggg	240
cgccatctgg	catggatgga	gatgatgacc	attctggcga	atctgctaaa	ggactacgat	300
tggagtttac	cagaagacag	tcttatgga	ccacatcatg	tagatgagaa	ggggattccc	360
attcgcatac	cgtccaaagt	ccgatattgt	tttgcgccga	cgcatecgga	cagagactgt	420
caatttgtga	taagccggcc	aaagacctag				450

<210> 8620

<211> 297

<212> DNA

<213> A.fumigatus

<400> 8620

agtagcctga	atataacaaa	gatacctaag	ttactctacg	tatatccatc	atgtattttg	60
atcccccca	cgcacccaa	gtacaggacc	ttcccatata	gccccctgtc	ttccacacat	120
cgcaccaccg	cttcgcccac	ttcttgccgc	tgcaacctct	tcaaccccat	tgcccgcac	180
tcttcctcgg	gtgtataccc	tgggcccgtg	cggtcctgtc	ctaccgcgat	gcgattcttg	240
tcaaagcccg	ttgcaattgc	ggtcggcgcc	accgcattca	ccctcacgcg	tggaatga	297

<210> 8621

<211> 1467

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (186), (235), (240), (1313)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8621

gagtcgtctg	ctatcagatt	gttcctacct	acttctttac	ctagcatctt	tgcatttttg	60
atttctctgt	tccctttttac	aacgctctgc	tcacgcctag	tcgggtccaga	gactcagtca	120
cttcacgaca	caatggccgt	cgcacccctg	atctctattc	tcttcgctgt	tttggccctc	180
cggtctgtgt	acctgctcat	ccatgctctg	ttcctctccc	cccttcgcca	tatcncgcgn	240
cggttcatgg	cccgtgtgac	atcgaaacgc	ecgctctggc	atcttctcac	tggaaggcgc	300
gaaatcgag	cgcgccagga	ctattccacc	ttcggggaca	tctacctctg	caaaccacac	360
acagtgtacc	tctgtgaccc	ccacgatgcc	tgtacgggtg	tcagctcgca	cgcattccgt	420
aaaacggata	tgtaccgggt	gtttgaatac	gagggcatcc	cgaacgtctc	cacctttact	480
gatcccgac	aggcacagcg	ccgtcggcga	caactgcacc	cattcttcaa	caatgcgtat	540
ctaacacaaa	tgagccagc	catgctgaaa	tacgggatcc	aggctctcaa	agcgcgctgg	600
gatgcccgac	tgccagagca	caagaagggt	gaggtgaatt	accggttcga	taccacactg	660
gccatgtttg	acatcactgg	cgcgctagtg	ttcggtcgcg	agttccacgc	cctggagacg	720
agcaatctcg	tgtatacaaa	atgggtcaac	aatacgtctg	cgtacatgct	agtgaagccac	780
tacttcccat	gggtaaagcg	ggtcccatata	tccgtggttg	tgaggggcct	caaacagtcc	840
tacgatgacc	tagtggcctt	tagccagaag	tcgattgcca	tcggccaggc	agacctgcag	900
gcggggcgtc	cgaagcctgc	agacctgctg	caggcgctcc	tcgacgcgga	agatccagat	960
tccaaggccc	ctatgaccgc	gcgcgaggtg	caggcgagga	gcattgccat	gctggttgga	1020
ggcagcgagt	cgacctctc	tgtcatctcc	tggtgatcc	actttctttt	gctctacca	1080
gagcatcttc	aggcgggtgt	ggccgagact	cgcgccaaact	tccccgcgca	tcacaccatc	1140
acattcaacg	agagcaaggc	caacctcccc	tatctcgagg	cctgcattca	cgagactctg	1200
cgttgatacc	cgacggcgag	cacctccttt	ccccgtgtct	cagaccaggc	catcatcctg	1260
aagggtact	acatacctgc	cggtagagaa	atcgccacta	acaagtgcgc	ggnccatcta	1320
caccagccct	cctggcagga	tccagaccgg	ttttaccctc	cgcgttttct	caaccaggga	1380
gacataccac	gaaaccgggc	ggaatatgct	cttcgttgcc	taccggacgc	cggttttgat	1440
ttggccggaa	cctggccttg	gccgtaa				1467

<210> 8622

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8622

tccccctccac	cgcacccaag	tacaggacct	tcccatatacag	ccccttgtct	tccacacatc	60
gcaccaccgc	ttccgccaact	tcttgccggt	gcaacctctt	caacccccatt	gcccgcattct	120
cttctcggg	tgtataccct	ggggcccggt	gggtccgtctc	taccgcgatg	cgattcttgt	180
caaagcccg	tgcaattgcg	gtcggcgcca	ccgcattcac	cctcacgcgt	ggatgaaacg	240
ccccagccgc	aaaggtaa					258

<210> 8623

<211> 189
 <212> DNA
 <213> A.fumigatus

<400> 8623
 tgccgggaac gaaccctaaa agtgtatatc accagaatca atgagttgat tcagccagca 60
 gggtcagttct tgggtcggaa gcgtcagtggt ctccagatat tcagcgacaa gtacagtgtc 120
 gccttccctt cacctgttga acgcgactct cacaatgcga atattggaaa gtatcaggct 180
 aatgagtga 189

<210> 8624
 <211> 939
 <212> DNA
 <213> A.fumigatus

<400> 8624
 cggggttcgt gggaaaacca ggagaatccc gggagaggat tacggggaag gcaacgccgg 60
 agggccttgg aacctaaatc agctcacggg gggaggattt atacgggcag tggatggcg 120
 tgcattccctg gacaacatac agttgctcca tcgtcggaaat ttgagactgg ctcgaagctc 180
 cttgcggtgc gtccggcaaa ccggaacaag aaaccaccac caccaccacc taaaagtcac 240
 catgggaagt tgatcaacc cagtcctcat gcgacctcct ctacgcccc ggggggtacc 300
 cctcggccaa ctaagcgggt ctccctaccac ggcacatcgt cggagacatc cctttcttta 360
 acaccagata cacctcccag caggctcatc cagccgagga ttgattattt tactccacta 420
 catgataacc ccgtccctca atcagcagaa aactcagac gtagccagtc acagcacaag 480
 cgcccgccga cgccgcgct gagtagacgg cacagtcaga tgagaagatc caaaagcact 540
 atgtccagaa cgaatctgtc tcggctatca atgccagctg gaaagattga ggtgaacgca 600
 tctcctcctt cgagtcacgg tctcaagct caggagccca ggacagctcc gccgatggca 660
 gatgaggcag aacctgatcc tgggtcaacgt gagccgccat tgctcgaggcg agcgtcgcag 720
 gtgaaccgcg tgccacctcc tccccaccg aggagggacc gagtttccag caaccatagc 780
 aacagtagga gccagtctgc acagaagaag caggcagagg atgaggactt tatccctcgt 840
 ccgtcgaatg ccaatgatat cctggccgat ttgtcgcggc ttcagaaaga agtggatgat 900
 ctccgtggtc actatgagag ccgcaaggctc agtcactag 939

<210> 8625
 <211> 1056
 <212> DNA
 <213> A.fumigatus

<400> 8625
 gtttacgcaa gtgcggttcc ttccagccgc gtggtgaaga tgctacttga aacctctgca 60
 aagcctttaa cttgccacag agtgctcca agcttcctcg ttggtgaggg tgcaacggac 120
 tttgcttatg agcaaggatt ggtcactatg cctcctgacg ggctcatatc gcgcttttcg 180
 aaagagagat ggcaccgctg gctgcaggat ctcgaggctg ctgaactagt cgaaagaaaa 240
 cgggacccctt cacgtttccg catggaagaa gatagagcat ccttccttcg tcggccaatg 300
 ctgaatcgta atccagcccg cctcattgac aatacgcgtt tacgcccaca tctaccagc 360
 tctcccttca ccggagtcga cttgctgaac ccccttcctc gtctccaggc tcttggaagc 420
 agacaaacca tagctcctgc accaccagct atgccttcga accaaggaca cggcatgggt 480
 cctgcaattg gacaacctat ggctgtggca ggtggacaaa gtatggcttc tgcacctgag 540
 caaggatagg ctgcctcggc caacacccat gcagatgggt cgactttccg cgcgtgccct 600
 acaaaagcac cttgtgcacc tgacacttcg acgactgctc acccgggcgc tgcagacgag 660
 gatgaagata tgatcagcga tacagtcggg gccatagctg tagactgtta tggcaatatt 720
 gcggcagggt cttcgtctgg cgggattggc gcgaagcatc gcggtcgaat tgggcctgct 780
 gcgctggtgg gcatcggcac ctatgtgatt cctgtggatc ccagcgatcc cgaacaagta 840
 tcagtcgctt cagttacatc gggcacaggc gagcacattg ctacaactat ggctgcgcag 900
 acgtcagctg caagactcta ttactgtcaa aagaagtgtg aggacgggtac tttcgaaagt 960
 gtatccgaag acgaagctat gaatgcaatc atagccactg agttcatggg tgagttattg 1020

tattccatat tccttacgac cattgataga gaataa

1056

<210> 8626

<211> 228

<212> DNA

<213> A.fumigatus

<400> 8626

attatagaag	gccaagaatg	gaagatagct	tttagaataa	agtttagata	ttttaaatac	60
ctagttatac	tatttagatt	aattaatata	ctagtattat	ttaaaagggt	tattaagaaa	120
gtactacaca	aggttctgca	ttactttata	gtagtctacc	tagataatat	tttaaatcttt	180
ttagaaaata	gaagtaaata	tatagaatat	attaaagagg	ttctataa		228

<210> 8627

<211> 684

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (376)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8627

gaagacgact	tccccgttga	cgttcgctac	aacggcaaca	accaacaatt	cgctccccc	60
cccgttacta	gcgatggccg	gccccagct	acggctctca	gcgaaaagga	ggaccacgac	120
cagccaggca	ccggcacctc	caatcgccac	cctcgatcc	tccgcaaagg	gatgaacacc	180
gctgccgcgc	gcgcccgtgg	cgaatcaatc	tcccgcaaac	acgttgactt	ctcactcggc	240
atgcgtgacg	tctcctcgat	ggatgtcatg	ggcgatgtct	ttgaaggccg	cggccgcccgc	300
gttgacgaag	ttgtccgcct	cgcgaaaccgc	gaaaatgacg	aacggcgcat	ccaggaagta	360
gaggaggagg	gagaanaaga	gcgcaggagc	cgcgcctcat	tgtccaagac	ccgcacttcc	420
aactccggcc	ccagcgtccg	cgccgccacc	ggctccgatg	gccgccgttc	tactgactcc	480
cacggtggcc	acagcatctc	ctccatcagc	cgcagccgct	tcttcacca	tcgcacacac	540
cccgtccaag	agcaagagga	catgatggaa	caggggcggt	ctgacatcgg	cccggcgctg	600
tcgcagatcc	gcaccatttc	accttctgct	cgctcgacag	acgaccgggg	tagcactatc	660
aaccggcaac	cgacaggaca	ttga				684

<210> 8628

<211> 216

<212> DNA

<213> A.fumigatus

<400> 8628

gatagaagtc	aggttttctt	gacagttcac	tacatggcaa	ggcattgcat	accaatctgc	60
tttacgatgg	cgcattcttct	ttgcatcacc	aaagacctgt	ttcaatatgc	atcttcactt	120
gtcaaattat	cctctcctat	caagagtgtc	acctctgcct	ctcctcactt	gatttttcgtc	180
tcccttttgc	tcttttatct	gatttgcata	ggctaa			216

<210> 8629

<211> 471

<212> DNA

<213> A.fumigatus

<400> 8629

ttgaccggga	agaggctgac	gagacaggac	gtaacgtgtg	gcctcctcgc	catcttccaa	60
tacggcctcc	tcacctccgc	ccgcgaaatc	ttcaaccccc	gcttcaacct	cacttccgcc	120

ctcgtcagcg	gcctcttcta	cctcgtcccc	ggcgcgggat	tcctcctggg	gagtatcatc	180
ggcggggagac	tgtctgaccg	caccgtgaaa	cggtatatcg	ctcgccgtgg	aggactgcgg	240
ctcccgcagg	atagattgaa	cagcgggctg	gcgatgctgt	gcgggggtgct	gccagtgcgcg	300
gtgctggttt	atgggtggac	acttgagaag	agagccggag	gcatggcagt	gcccatactc	360
gcggcggttct	gggctggagt	cgggctgatg	ggctcgttta	acggattgaa	tacgtatgct	420
gctgggtgagt	tttctatggg	gaaggtgaag	gtgaatgtga	aggtgatgtg	a	471

<210> 8630

<211> 507

<212> DNA

<213> A.fumigatus

<400> 8630

cgtagcgcgg	atccttcgac	cgctcgtggt	gaagacagcc	cggcgcaggt	gcacgatgaa	60
caattctcgg	acccagacta	ccagacggcc	aatatagagc	tcgctcgtat	tgtcggcgaa	120
actattgcaa	aactctacag	ccgacgcaaa	tacagcgaga	cgttcctcca	gcgcgtgcag	180
aagctactga	aagcattgaa	aaactgggta	gatacactac	ccgaccattt	gcgactgaac	240
gagaacgacc	ctgagatgaa	tccgaaacat	atcagctctc	tgcattctggc	tttcaaccag	300
gtattgtatt	tggcctcctc	tttcttcgaa	aacaatactg	acttggacag	tgtgttgtac	360
ttaccaccgg	tccgaccctc	ctccacctcc	tcatcaaagt	cagcgagtcc	gagaccgacc	420
ccacgagcaa	ggaccatgcc	atctcacaac	ccgtctggac	gctgggtgaa	gcgtgcatac	480
atgcagctcg	ccacagtcac	tccttga				507

<210> 8631

<211> 1398

<212> DNA

<213> A.fumigatus

<400> 8631

gagggactgc	tcgacagagc	gggggggtcat	acaaaaaggg	gacacgcccc	cacatcgtgg	60
cgcagtttac	attttgtgtc	ggaaagccgc	gtttccataa	ccgagcgggt	ccttgggtggc	120
ttcagaaaca	agggctggac	aggaaaaacg	gggatgcgcg	ccaaggctct	attccgactg	180
acggatgact	ggctggacat	cacacccact	ctggccttgc	gtcccgacca	agtagagcca	240
aacgacgagc	gggcatggca	gcgtgacatt	gccaaagtcc	tgaaaaaggg	tccgtcgcgt	300
gtgcgcgaca	cacatcgcc	gcgcgagacg	gccgtcgcac	ggattcctgc	tgaggccggc	360
gacgggtact	ttcaggttgt	actttgtcag	ggccccaaaa	aaaagggtct	ttgtacgagt	420
ccagtgtttc	gcattctttc	cacctctctt	gaaccgagct	cgattcgggg	cgctagtttg	480
gctaccctcc	cattggaggt	gggtgcgatg	gtgctggggc	tatacgcgca	gacagcggcg	540
cagaccgtta	ttaacccggc	cacatcgctc	gtacaatcaa	caattcaacc	tcttaagccc	600
tcctgggtca	cacagactgc	tgtgagaca	gcctacggga	ttggcatgtc	catgcgatca	660
agcgatgacg	acagtactca	gggccctgcg	gcagcaatgg	cccgcgggtca	acaggaagcg	720
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gccattcaag	gagaaagtgt	ctatgacatg	caacggatgc	gactcagtaa	ggttcccgat	840
ctgatttttg	accggctaca	tgggtttctt	ttcggtggg	cgcgacttct	attcgccaga	900
gagaatggcg	aatggacagg	ttctcaatgg	tatcaggcca	tccttgcaat	ccgcaacctc	960
gatctttctc	agcagacgca	tgtgaacatg	tcccaggtga	tgaaacgcgt	caccaccgtt	1020
cgcttcctgg	aggaggttga	actaccggtt	cagtcccgcg	tcgaggtacg	tgtactcggg	1080
tttcttcggc	ccgatatgcc	gccgccccgc	ggaataactg	aggaggaatt	gcttgaagcc	1140
agaaatgccg	cggtgaagc	ggccatgttg	gcggatgcgt	gcgacgcgtc	gtacgcccag	1200
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cgtgccaaag	aaggaattga	aaacatatgg	gcgcgtggcc	agaaggtcgt	tgaacgggtc	1320
ccactgcatt	ggctgggagt	gagatctcct	acagcagaga	tcttcaccac	ggggctggaa	1380
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<210> 8632

<211> 447

<212> DNA

<213> *A.fumigatus*

<400> 8632

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aggttctttg	tacgagtcca	gtgtttcgca	ttctttccac	ctctcttgaa	ccgagctcga	180
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acgcgcagac	agcggcgcag	accgttatta	acccggccac	atcgctcgta	caatcaacaa	300
ttcaacctct	taagccctcc	tgggtcacac	agactgctgc	tgagacagcc	tacgggattg	360
gcatgtccat	gcgatcaagc	gatgacgaca	gtactcaggg	ccctgcggca	gcaatggccc	420
gcggtcaaca	ggaagcgatc	tcttttag				447

<210> 8633

<211> 342

<212> DNA

<213> *A.fumigatus*

<400> 8633

caaagcatgc	aaaacacaaa	tcataggttg	gcatacctca	ctctcaatag	cactggcttc	60
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aatacctctc	ctcttgcca	agttttcttc	tctcttctgc	tttctgatct	caacctgttg	180
ctcttcacga	cgacgacgaa	gctcgtcagg	ccggaactgg	ttcctggcct	tgaactgggt	240
gcgacgatgc	tcggggatgt	agcgttcggc	catggttgct	tgggacacaa	gaggggtgaa	300
aacaaagcgc	accaaagaaa	gtggggagcg	aatctgagat	ga		342

<210> 8634

<211> 306

<212> DNA

<213> *A.fumigatus*

<400> 8634

aaatcgaaat	tcaatgaaat	ggtcaacaag	tcggctgctc	gccacgtcag	tataactact	60
gccctctcct	cttcggggct	tgtaagtgtg	attggagtgg	tgggtggatgt	cttcgggacg	120
cccttcagtc	caagtcgttc	ctggtgtatc	acattcaccc	tcaaagacac	tgactttggc	180
aacggacacg	tttgggatgg	gctgaagatc	aagtacttca	aggctaata	aagtcaactc	240
ccgcctgtcc	gagtgcacga	tgttatccta	ttacgcaaca	tcactgtaag	cgattttggct	300
ctatga						306

<210> 8635

<211> 255

<212> DNA

<213> *A.fumigatus*

<400> 8635

ctcaacgtgg	agctcccgga	gatggtgaag	ggtgtcttct	ccgaccagat	agagtgcgag	60
atccaggcta	caaccaaatt	cagaaagctt	ctctccaagg	aacgcaatcc	tcctattgaa	120
cgggttatcg	agaccggtgt	tgtagccga	tttgtggagt	tcttgcgctc	ccctcacacc	180
ttggtgcagt	ttgaggccgc	ttgggccctg	accaacgtct	tcacctcgga	agtgcggagc	240
cgcgctagtt	tacaa					255

<210> 8636

<211> 549

<212> DNA

<213> *A.fumigatus*

<400> 8636
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 cttgtgtccc aagcaaccat ggccgaacgc tacatccccg agcatcgctc caccagttc 180
 aaggccagga accagttccg gcctgacgag ctctgctcgtc gtcgtgaaga gcaacagggt 240
 gagatcagaa agcagaagag agaagaaaac ttggccaaga ggagaggat tcaagaccgg 300
 gatggcggga ttggtgtagg aggtggtatg gccgccaccg agagtgaaga tgaagccagt 360
 gctattgaga gtgaggatg ccaacctatg atttgtgttt tgcattgctt gctatctgtc 420
 tcgagttttc tccgcccgcg gacgcattca ttggtctttat ttgtttttgt tcaactatac 480
 ctccacaaca gcctttttca ccgccccccc cccgttgctg ggctaagtgg gatccgccgt 540
 ctcagttga 549

<210> 8637
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 8637
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 acggcgtct accaagcagt attcggcaga ctcaacgcag gtggctgtgt ggtatctttt 180
 ccagaagggtg gcagccatga caggccgaat ctacttcct tgaaggtat agttctttcc 240
 ttcgatttgc ctcatctact gcggaaacct cggctgattg aactctag 288

<210> 8638
 <211> 1194
 <212> DNA
 <213> A.fumigatus

<400> 8638
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 gttatacatc tcagaaaggc cgttgccgac tacaacaagc aactccgtct tctaggcatc 180
 cgtgatcatc aggttagagta tgcgaaattc tcgtggatc aggtcattgc taccctgatc 240
 tatcgtctgg gcaaattagc tctcctgacc atcgggacac tgcctggcct gattcttttc 300
 gcacctgttt tcattgcaac gaaatacatc tccaagaaga agtcgcaaga agcactggcc 360
 gcactctaccg tgaaacttca aggacgtgat gtcattggcaa cctggaagct actcgtcgcc 420
 cttgctttcg ccccgccagt gtatgcattc tacactgcaa ccttcacttg gtgggcgtat 480
 tacaaccgta tccaggggct tgttcctgtg tggatgcctt tgtggttgat tgtgcctatc 540
 gggatgatct tattcccaac cattactttc gcagcgcttc gcacggcgga ggtgggcatg 600
 gatatcgtga aatctctgag accattgggtg ctctctttga atccttcctc agccaatact 660
 cttgtgaagc tgcgcgaaag acgcgctgca cttgctcagc aagtcactga agtcataaat 720
 accttgggccc cagagttatt ccagacttt gatgctgcaa ggatcgctac ggatcccttc 780
 cgtgaagacc accgaccagc cggaaagaca ggagttgatc attcagctgt gcctgaaatc 840
 agaagaacta gcgcaacaga tacggaagtg gaatctccaa cacgggaacc tcttcctcgc 900
 aatgagtcgt tccacaacct tgccaacatt ggctttttct ctacgcgacc ttcgagccgt 960
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 ccactgagcc aggtgacaac gaaagacggg tttgaagaag tcagctcgaa gattcgcgac 1080
 gctatgcgcg aacgaggcga acgcaggcgc cggagaagcg aggatggaag ctgggacatg 1140
 gccagctctg gtccaggcac gccttcgagt gaaggaagcc gaaaagattt ataa 1194

<210> 8639
 <211> 360
 <212> DNA
 <213> A.fumigatus

<400> 8639

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ttgaaaatcg	ttccatgcgg	aatgaactat	ttccacgctc	ataaattccg	ttcaagggcc	120
gtgattgagt	ttggtaaccc	tatagaggta	ccacgggagg	tggttgatca	gttcaaacga	180
ggtgaaaaaa	gagaagccgt	cggcgcactg	ctcgacacca	tttatcaggg	tcttgtatct	240
gtaactgtaa	ctagtcctga	ttatgagact	ttgatggctg	gtgaaccgcg	ctttttcgga	300
ccatgggtatc	tgtggactga	cgtgtttcta	ggtgattcaa	gccgctcgtc	gcctatataa	360

<210> 8640

<211> 540

<212> DNA

<213> A.fumigatus

<400> 8640

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ttgcagggtg	agagcgccct	cgccaagcct	ggcgaccaca	ttacgatgca	ctgtaagcag	120
cagcgccata	tctcgtctag	accctggaca	tgcagatcta	atcatccttc	agacaaatac	180
gacgactcgt	ctcgcaacta	cacgcagacg	ctctccgtga	acgggcaagt	cgtttccaca	240
ctctccacca	gcgacggata	tgcccagggc	tggggcagcg	ctgtggagtg	cgccgcaacc	300
gactgcggca	ccgtcgggtg	tcactgtaag	ttaacgcggc	aactggctgt	tcagaatcac	360
gggctaactg	gcactgtact	tttagcctgg	attgacacca	agattatcct	ggacagcccg	420
gatcccaact	acaaaaaac	caactacaag	ggccagggtg	tcacgggcga	gatgtccact	480
tccgatgggtg	gcaagacttg	gactgttagc	acgattaaca	tccttcagtt	tactttttaa	540

<210> 8641

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8641

agagaaacag	caactttctca	aagcatacga	ggaatccttc	gacgattatc	ggacgggtcaa	60
gaggggaattg	gtgcactcct	tttccaagga	cagggttaagg	attatgaagc	cttcttgaat	120
gcgacctcat	cctacgacat	tgttatacat	ggcgctgcca	agatccgtgg	gcgtcacaga	180
tacagatatc	aacatacata	g				201

<210> 8642

<211> 195

<212> DNA

<213> A.fumigatus

<400> 8642

ctgcgcttcc	tgatgaatag	cataggttat	cattcagtg	tttatctagc	aagtcagtta	60
agtggctttt	gttcaggcga	tcattttcctg	cgcgagcaca	tactactgcg	aattaagaaa	120
tattctaagg	gtggtctaga	tgttcgctat	acagacaaat	gctctaagag	cagcctactt	180
atgcttgagt	actag					195

<210> 8643

<211> 798

<212> DNA

<213> A.fumigatus

<400> 8643

tcgtttatag	attattcaag	catctgctgc	tttgtaggca	ccaacagagg	caacttggca	60
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cagctcgatg	acaaggtttt	gaatatcata	cccattgatg	cggatcaggg	tacccccgcg	180
ctagccacag	caagcatagt	tgcaggcctc	agaactggcg	ccaaacttaa	cggagtcgtc	240

attgctgttta	ctgtttccgg	ttgcaggatt	tttaaacctg	caacatccaa	gggcgcgcac	300
aagtcctggg	atgattatct	ttgcgatgcc	gcggccgttg	tgaagacaga	aggccgtggg	360
tacagcctcg	ttggactatt	cggcgatggg	aatgctaggg	ctttttctat	ccctggactt	420
aaggaaatag	gctgcaccag	tatccatcaa	attgccgaca	tgagacgtct	ctcggactcg	480
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aaccacacagg	cagccattcc	tgcacgtcct	acgattacga	acttgcaatg	gatctccggc	720
acacaatatg	tgtccccggc	cgacatggat	cttctgagta	tgtgcattcg	ttgcagttgc	780
gataacaagt	ctagatag					798

<210> 8644

<211> 300

<212> DNA

<213> A. fumigatus

<400> 8644

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ggttttcaaa	acggcagctt	tgtcatcatg	gacttgccgc	ggccagcagt	catccatact	120
gccaggtat	cagattttgc	gaagaccagc	aaacgtggaa	gctttctcaa	gcaccgcgt	180
actgaaaagca	cagctccgga	gtggcccaca	agcattgagt	ttgggtgtgt	gacctggag	240
ggtgaaggta	agatctatcc	tcttgagcta	tgggtgcagg	ctgatactga	tcgtttatag	300

<210> 8645

<211> 831

<212> DNA

<213> A. fumigatus

<400> 8645

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gaaaagtccc	acgcggaggc	cgagttcggc	ttcgacggcc	gcgtcgagct	gctcattacc	180
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gccgttcgct	ccgccctgag	agtggctcag	accccgtag	tctgggtcca	gcagcatgac	300
tgggcgctgg	aggcggatat	tcccctcgag	ccgctgctgg	agatcatgca	gggaagcgag	360
gccgatgacg	cggtgccggg	caaatatgtc	tcgttccctc	cggtgcggat	gaagcgggat	420
cggtctcgc	cgcattgtcac	ggaccatgcg	gcgctgcggg	aactcaccac	ctccttgaag	480
cgggattttg	tgttccggtc	tccgtctcgg	cgggacggga	agattgcgct	gacgccgctg	540
tttttctggg	tcgataaaacc	gcatgtggct	tctaccgcgc	actatctggc	ccgggtgttc	600
ccgacgccgc	tggcgatgcg	ccgcggggag	ttcatcgagg	ataaaatcgg	gcagcggggc	660
agggcgcgaga	tgaagggaag	gcagtggggc	aagtgggcca	cttggctgta	ctaccgggat	720
gagggagact	tgtctgtgtc	gcggcatttg	atggggcgga	cttgggagagg	atttgggggt	780
ccgatcaatg	tcaaggatgg	ttttcatatt	gctacggatg	acgagtctta	a	831

<210> 8646

<211> 270

<212> DNA

<213> A. fumigatus

<400> 8646

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tcggcctcca	ccgcacttcc	ccacgatatt	gtcatcgagg	ccttgggtctc	cctcgctcatc	120
gtctccgcgg	gcctcgtgct	aggcgagag	aaactcaagc	cgattagctg	gagcgaaatg	180
gctggggaga	ttgagagggg	aggcggcgc	aggaatcctt	atctgcggct	ggaagagcga	240
tacagtttct	gggatattag	ggtgagctga				270

<210> 8647
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 8647
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 gtcagtcatg agtcagatct agacaaccta tgctccgcgc agccatgcgc tagtggcaag 180
 ccgcctgcaa aggggacttg a 201

<210> 8648
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 8648
 aaccttgcgt gctgtcactc gcgtccttcc gtctcccaac tacctccttc cgtcatcact 60
 ccggagcctc gctccaccat caacacccac ctcttagggc tgattatcta ctttagagac 120
 gcaatgaact ccgcgcagca ttctgatatg cctccggcta catcttaccg gtctcccaac 180
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 ggtcagcagg tgggcgtcga tccgaatcat gatctgagtt atggagacca gagcgctaga 480
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<210> 8649
 <211> 423
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (156)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8649
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 gagcacaatg tgtgccaatc gaatactgga ctgggtcgca tgatcgggtc gaatttggtt 120
 gcttctctcg aacgtctggg acagattgag gacctncgga agccctatga tgcagcccga 180
 gaaacaccat cgcacggggt cttcgaaagc cctgcaaacc aactctactg ggactgtccg 240
 ctgctcatca aacggcatat ctttgtctac agcccttatg aagataatta ctggccgggg 300
 gaggttaata atgagctgct taaagcgact atggagtccc gccctgcgac gccttttgat 360
 ctccacagtt taaccgtagc tttcatgacc cttgttaaag ctacttgtct taccggacac 420
 aac 423

<210> 8650
 <211> 627
 <212> DNA
 <213> A.fumigatus

<400> 8650
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 aaggaccggc tgctagagat tctccatcaa tgcatgcgc aggtccagga agtggtttttg 120

tacgctctgt	acactgtgac	gcgcacgaac	ttggaccggg	tgctgagcac	cttcgagaga	180
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gttcgtccaa	ctgccgtcaa	cctggatagg	cttcaggcta	cgctgctcat	gatcctggac	300
tgtgactcgc	gtgggccgga	gaacattgtc	ctcaaagatg	gggtgcctaa	acattctttg	360
attcagtcgc	ccaccaaact	cggttctgat	atggcgaaga	gtcttgatca	attgaaggct	420
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aaccaggaga	taggtggctg	ggaagatgaa	cgcgttcttg	gatctgtcac	cgcagggatt	600
ggtggtacgt	cttaccacat	tatctaa				627

<210> 8651

<211> 588

<212> DNA

<213> A.fumigatus

<400> 8651

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cagcctgcta	tggtgcaccc	ggacatgcag	taccaggcca	tgaatgaggt	gtcgccctcc	180
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gttatgggaa	acactgcacc	caaacctgga	aatctgttct	ggtcaacaaa	tgagcatgag	480
attccacatg	gccttgacat	cccggacgtg	tccaaacacg	gtatcgaaga	ggacatgacg	540
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<210> 8652

<211> 387

<212> DNA

<213> A.fumigatus

<400> 8652

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agccgaaagc	cacggcctgt	cgaggataag	tggatcgtgg	aagagcgttc	catcgataaa	180
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ggcggcacct	ggctcgagaa	cagatatccc	ggttgtgcat	gtggtaaggc	tcattcatctt	360
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<210> 8653

<211> 246

<212> DNA

<213> A.fumigatus

<400> 8653

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cgtgtggctg	aaaagtatgg	ttgcatgaag	tacatcaagc	tgaagcaggc	agttgttgaa	180
gctgtctggg	acgactcgaa	gagcaagtgg	caattaaagg	tcggcactcc	gtccccggctc	240
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<210> 8654

<211> 210

<212> DNA

<213> A.fumigatus

<400> 8654

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tttggccgcc	aacatgtgga	taaacgaggg	ggagctgaac	tggagaactg	tttgtcaacc	180
catccagtta	tgcagttgaa	agagtattga				210

<210> 8655

<211> 756

<212> DNA

<213> A.fumigatus

<400> 8655

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gaggtcttcc	tacagaatat	gaagcgccga	ctctcaagga	agcctgaaat	gtgcgaagat	180
ttgataccct	cgttcccccc	tgtgtgccga	cggctcactc	caggcccgga	atatcttgag	240
gccttgacgg	acgacaaagt	ggacgtcatc	acaagcaaga	tcatacagag	cgatgcagag	300
ggaatcatca	cagcagatgg	acaacatcat	cccacggatg	tcctcgtctg	cgcaactggg	360
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aatcgctggc	agaagacacc	agagacctat	ctctccttgg	ctgtcgatgg	attcccaaac	480
tatttcatct	gcttggggcc	aaacgcggca	ctagggcagg	gtaacctgtt	gcttctgatt	540
gagaaggaga	ttgattactt	tacgctctgc	gtgcagaaga	tgcagcgtga	taacatccga	600
gcgatgagtg	tgaaaaaaga	agcggtagaa	atgtttactc	gctactgtga	ccagtacttc	660
tcaagaacgg	tattcagcga	gaaatgccgt	agctggtaca	agggagggac	cgaggatggc	720
agagtcattg	cattatggcc	cggtacgctc	tcttga			756

<210> 8656

<211> 210

<212> DNA

<213> A.fumigatus

<400> 8656

ccagccatag	gttctctcgt	gcattcaatg	aaagctcttg	cgcctcctcg	ttgggaggat	60
tacacgtacg	actatgtcaa	tgacaatcca	aacggctggc	ttggagacgg	ctggacggag	120
aacgaaaagt	tgaagaagat	caacgtggat	tatctgaatg	atgacgaaat	tgattttcca	180
acaaatgtca	tcgcggtatt	ggatcagtga				210

<210> 8657

<211> 255

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (132), (155)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8657

atgctctccc	ggcagccgca	agaatcattc	taccatctca	gtaagcgagc	aaccgtcttc	60
ctttcatcag	catgggctgc	actcgctccc	gtggacgtct	cggattcaga	agatgttcct	120
tatccgttac	anacctcccc	cggacttctc	cctgnactcg	aattatgggt	tccactggtc	180
ccttcttgct	tggtctcttc	ccagcgaaaa	atctctcttc	cccctgtggg	catgccctgg	240
tcctcctctt	tctaa					255

<210> 8658
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 8658
 tcttcttcga atattctggg aatgaaagca cgagatgatg ctaacgggac atgtacagga 60
 ccaaggatga ggctgtatgt cacgatgtca ttcgcggaga ctgagagtta ccagctgacg 120
 tgcaaccaac agttgctcta tatgaactac accggtgtcg taacaatggg gcctgcggaa 180
 caggctgtat tctctggcaa tgccgaggac ggcgcgacgc cgtttggaaa ctcttttact 240
 cactttacct ttgaggtgag atcgcacccc gcatattatc taactttcca gaatctaaca 300
 ggactacaga cgggtgatga gcgctacaag gagttcgaga accgagtatt cgtcggccag 360
 ggccgattcc gagtcgagaa gggtaagccc gttgttgtcg aatataaggt cagccaggtc 420
 gtcaagggtt ag 432

<210> 8659
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 8659
 ccaaagccta tgactggtgg cactgtcaag agtgatcccg gttaccccct tgctcttgat 60
 gccgagtttg tcggtaccgg caacgactac atccatgcgg acccggacaa caagcacttg 120
 cgcttgaatg cgcacggagt catcaagtta gtcttcttcg aatattctgg gaatgaaagc 180
 acgagatga 189

<210> 8660
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 8660
 atgttcaaga acaagcttca gtttcagggg acctaccag aagtcaatct caaggttccc 60
 gctaccacca aactccctgt cgcgcacctg gaaagtaacg gtcacttat caatcctatg 120
 caatgtctca tgggaccttt ctctccaatg tgccctgagc tggatgttgt gaaccggccc 180
 cggctgggaa ccaacca 198

<210> 8661
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 8661
 ttacacgtcc cgggcagacg cagaatcttt actgcgctga ctgatgcggc atgcatacag 60
 gagtcttcca acggctcgac attcgagcta ggtgtcttcg agtatataaa gtgtatggcc 120
 aaagtggctc taacccttga cgacctggct gaccttatat tcgacaacaa cgggcttacc 180
 cttctcgact cggaatcggc cctggccgac gaatactcgg ttctcgaact ccttgtagcg 240
 ctcacaccg gtctgtag 258

<210> 8662
 <211> 327
 <212> DNA
 <213> A.fumigatus

<400> 8662
 attggcccaa gatcccctgg aggtggaagg tatgagcatt gcatatgggc attgggtacg 60

ggctggggcgg	tgtcagctaa	cagcttcttt	gcagtgcgta	aactctccga	ggctctgggt	120
caggtgaagg	atgaacaatc	gtacattgtc	gtagagagc	gggtacatcg	gaacacagcg	180
gagagcacia	acgcccaggt	gaagtgggtg	agcattttcc	agcttgccgt	gctcattggg	240
gagggtatct	tccaggtctg	gtggctgaag	agattcttcg	aggtgggtgt	gacgatacca	300
aacagacctg	tgaagagttg	caactga				327

<210> 8663

<211> 324

<212> DNA

<213> A.fumigatus

<400> 8663

ctttctgctg	cactacaggt	tgaggacccc	ctaaagaacc	gccagtactt	cagacaagcc	60
gtatcatcag	aggactactc	gttcaccgcg	cacgccgacg	gaaagtacgt	ttactgtttc	120
agcaacgagg	gttggacttc	gaactcaaag	gaagtgtcct	tcaacgtcca	cggaatcgtc	180
tacgtaccgg	aacatgaatt	ggcccaagat	cccttgagg	tggaaggtat	gagcattgca	240
tatgggcatt	gggtacgggc	tgggcgggtg	cagctaacag	cttctttgca	gtgcgtaaac	300
tctccgaggc	tctggctcag	gtga				324

<210> 8664

<211> 642

<212> DNA

<213> A.fumigatus

<400> 8664

ttgtcgtcgg	gccgaacacg	gacagatctc	cgcttggtgca	tcaccaacac	atgtcgattc	60
gttgtgcaca	ccctagaaaa	aacagacctc	ccagcgaaac	attgtccccc	gagttctcct	120
attcgtccaa	caggggtcta	ctttaccgcg	ccgttcagtt	ccgtctctct	tgctcagtea	180
ccaataagtg	atctgtcaac	gatggccgat	tcacaaactc	catcacagcc	ttcagcgccg	240
ccgtcgtcgc	aaccaccacc	ttcatcccg	atcggttcac	aagagcttcc	atcatcatca	300
acacaggcaa	cagtaccagg	ggagttatca	ggtacttctg	aacccccggt	tgtaccgaaa	360
gaggagccca	atacgacgga	tgctgaagcc	cttgacgcct	ccatcgagca	ggatattgat	420
atgaaccctg	gtggcattac	caacgctgca	ggcgcaagcg	atggagataa	tacgataggg	480
aaccctgttc	aagatgcaat	gcctacatct	gtcgacgcta	tagcagcggc	agtggcgctt	540
tgaagaaag	agacgagttt	gcgcgagttt	ctgggcaaga	tgatgatta	tgcgcctatt	600
gtaggcttta	catttgtcat	tttctctctg	ccttactttt	ga		642

<210> 8665

<211> 222

<212> DNA

<213> A.fumigatus

<400> 8665

gcagtaccca	tcacgctccc	gtgccataat	gtcgctcgcc	gtaagcgcca	gatgtcgatc	60
cagcagcaac	aaaacaccat	cgaacggaaa	ccccataccc	ccatcagaat	cacctatatg	120
ttcttggaact	ggttgtacgt	gaaccgcttg	cgggtactgc	caaagtccaa	cggtcagctt	180
ctgcgtctgc	ttctgtgtaa	ctgttgggac	atctctcaat	ga		222

<210> 8666

<211> 474

<212> DNA

<213> A.fumigatus

<400> 8666

atcccagacg	cggtaacagc	tactatctc	acgtcgccg	gcctcccacc	tccaggaaac	60
ggaccgaacc	aaacgcccc	acatctcgcc	cgactcctcg	ctctcgcaac	acagaaattc	120

attgctgata	tgcggcgga	ctcatatcag	tacgcccgt	tccgagcctc	gaacagtaca	180
tcagccagca	accccatggg	cagtctgaac	gctgcctccg	gtttgaatat	gcccggcggg	240
gctggatccg	gcgccagcag	gcggcgagc	aggcgttggg	ggcgcgagc	caggcaaagg	300
caaagcgaac	acacatctgg	gcattcagcg	tcctggtttt	ggcggtggg	gctccgggtg	360
ctctgggcaa	ggtcggagcg	tgtcaccat	ggaagacttg	ggcatggctg	ttgcagagta	420
tggagtcagc	gtcaagagag	gggagtttta	ccggtagaga	aggctgggtc	ctga	474

<210> 8667

<211> 231

<212> DNA

<213> A.fumigatus

<400> 8667

atatgcccgg	cggtgctgga	tccggcgcca	gcaggcgggc	cagcaggcgt	tgggtggcggc	60
gacgcaggca	aaggcaaagc	gaacacacat	ctgggcattc	agcgtcctgg	ttttggcggt	120
ggtggctccg	gtggctctgg	gcaaggctcg	acgggtgctc	ccatggaaga	cttgggcatg	180
gctgttgcag	agtatggagt	cagcgtcaag	agaggggagt	tttaccggtg	g	231

<210> 8668

<211> 621

<212> DNA

<213> A.fumigatus

<400> 8668

ttgagacacc	acgaacccaa	caacatcaag	ccccatactc	ctcgaactct	cacaagccac	60
atctcattca	agaccacagt	agcaaacctt	acaatgaaag	tcttcagctc	catccttggt	120
ctcctgtttg	cgatcttcca	cctctgcctc	gcagaagacc	accagaccg	gttccccgac	180
cagaaacagg	tgcacaaaga	caactacgag	gccgtgacct	tagccgcagc	gcaaaagggg	240
gtccagctcg	agcacggcaa	acgctacgcc	ttccgcgaga	aatgggcccc	cgcctacggc	300
gaatacatgt	gtctgcctga	ctactcgcac	gtgcggctca	tcgtcggcca	gttcttcaac	360
tctaacacgc	gctctggacg	gcaggctttc	tccgccaaag	cctttgaaat	gatcagcgac	420
gaggccgaga	caaagctcgg	gcagacaccc	gtcgggtgga	aggttgagtc	tcagggtgacc	480
gagaattggg	gggcgaacca	ctattacaac	tacaagaaga	aagagtgggt	gcgcgtcagc	540
aaggacagca	agtacgagtt	tctcggagaa	acgacggcga	cggatgcgta	tatcgagaac	600
caaggtatgt	ggtttgactg	a				621

<210> 8669

<211> 1089

<212> DNA

<213> A.fumigatus

<400> 8669

tctgatggtc	aatcgcaact	cgttatctgc	ggccttgctg	ttccctgtcg	acgaggatca	60
ccctatgtcg	tgaagatgtc	ggacaatgcg	tcgataacgc	cccagacaat	ccccgcctcc	120
cgatctatct	ttcccaaagg	gcccattttt	actctttctg	acttctcaag	ccgcgattac	180
atcgttaaag	agtttgtcga	ggcactttct	gacagtacta	cctcaaactc	acgttctacg	240
gttggaacctg	gtcctggcaa	ccagcttttt	gatcccaaac	cactgattcg	agcattcgaa	300
catgctcaac	aacgacttgg	tgaactttct	ggagatttgg	aaattaaaga	gaacgagcta	360
tcggctgcag	ctcggagagc	tgaggcacag	catgcgcaaa	atctcggcac	gctgggtaga	420
aagttgaagc	agaccatcga	ttcctttcaa	caattggata	catctctaaa	tgagcagacc	480
ctatcgggag	gcgaactccc	tggggcgacc	gggagtatgg	ctggtgaaac	aggaagaagg	540
ctagaggagt	taagtaacag	gaggcgcgca	gcgcttgatg	ctcatttcct	gattcaatgt	600
tgggatggag	tagagagata	acacttttag	agaacttaag	gaagtccggg		660
actggtgagg	ccaaagtcag	gtcggcgcat	attgcgcgac	agttgctcag	gataagtcaa	720
agactcgatc	ccgcagttg	ggatgaattg	agagcgaaga	aaaacgatct	gtaccgaaat	780
gatgacgatt	ctggtgacga	gggcacaaag	gggaatacca	atggtattca	tcgaaacacg	840

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agagagataa ttgaaaagtt ctctgagact ctcgagaaag atctcctgaa acagttcgat 900
gatttctacc gcaaggcaaa tttcgagggc atgagagact gcgcgactgt gcttcaggac 960
ttcagcggag gcgcaagtgt gaccgccttg tttgttaatc aacaccaatt cttcattgat 1020
cgaagccagt tagtgacaga agaactgggg ggcgatttgg acagctggga acaaattggg 1080
ggatcctga 1089

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<210> 8670

<211> 801

<212> DNA

<213> A.fumigatus

<400> 8670

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agggtggctgt gcaggaagaa tcagccatca tcaaacgagc attccctttt tatgagcagg 60
tgctgggcaa attcccaaca acgcgtcttt cagcagtcca tccagcagag actggaaatg 120
gttctggaga aagctaattg catctcgtct ttagctttcc tccgatcgct acaaagtctt 180
cgcagctaca ttagcggcct ggttgatgat ctcaaggctc acggcttgac tgaacatcca 240
gatcctgttt cgtcccaaac agccttgata ttagatcagc agctggagga tttgttcgtg 300
ccctactttg ttggatcctc ttacattgaa agggagaaaa aatcactcga agagtgttac 360
acgtcattgt tgttcgggtt tactactttt cagctcggga ggaaacgagc agcgacgacg 420
ttcatggcat cgatttccaa gtctggaaact gagctccttt ctcccgctcg ggacgcttac 480
gtcaatcgcc ttgagtcttc ggagttcacg cccactcaaa agaagatgct ccttcaattg 540
gccgggttga aagagcaaaag cgactctatg aaaccactg agatcaagtt gatggagaag 600
gatggtctcc ctaatatctc ctatgccaaag aggatgttga aatggctggc tgaagcagtt 660
ggacggggtt tggaaactggg ctccaccagc gaaacaccaa aggatgtgtc tgctttgttg 720
agtctgctat tgtctttgat gggcgagggc tatgtcgagg tgtgtcttga cgctgttttt 780
gaggccgcaa tttcccaggg c 801

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<210> 8671

<211> 1416

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (754), (1387), (1393), (1405)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8671

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gcaccgcctg ccaaaatttt gcccttttgt atgggggatca tttacattat tcatgtgaag 60
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cgtacttcgc gcacttcgaa agagacagca agttttcttc aggcctctctc acctcctacg 180
cgacgcaaaa cgcgtagctc atcgaggaca aatgtccttc agcgctttgc cttcaatgct 240
agcgcaaatg gccaaagtga gactgcgcct acgacgacag gagctcagtt tcagcagagt 300
gacggtgacg atacttcgtc gctctcttca gttgatactg tggacatcga ggatatcttg 360
gaacccccctc tgaaaaagag gaagagtagc cccggcagcc cgtccaccaa gagaacgaca 420
cgagcaccocg gtagaaccat cacaaaacgc gaggccatca aggtggaacc tgcgaaacca 480
aaatcacgtc gtgtaccagc ccgcaagatt aagggcgaga atggttcaat caagatagag 540
ccgccatcga actgggagac catctattcc atggtcaaga aaatgcgtga gaacaatccg 600
acagctcctg tggatactat gggctgcgcg gagctctatt ggcgatcctc gtctcccaga 660
gacaaacgat ttcaaaccct tatggcattg atgttatcgt cccagaccaa ggacacagtg 720
acagccgtgg ctatgcagcg gttacacacc gagntaggga acggaagagc cctagcagaa 780
gatccccatg ttaagaaaga agagcaagaa gatattgacc tcaagtcctc acagcctctg 840
aaagatatga ctttgaatct cgagaatatc ttggcagttc ctcttgagaa gctgaacgag 900
ctaatacagga cggttggctt ccataacaac aaaaccaagt atatcaaggc agcagccgag 960
atactccgag atcagtacaa ctctgatata cctcgcaccg ctgaggagct catgaagctg 1020
cccgggtgtg gcccaaagat ggcatatctc tgcctgagtg ctgcctgggg gaaggacgaa 1080

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ggaatcgggg	ttgatgtgca	cgttcaccgt	atcacaaatc	tttggggttg	gcacaaaacc	1140
aagacacctg	aggagacacg	catggcatta	gagtcctggc	ttcctcggga	taaattggcat	1200
gaaatcaaca	agttgcttgt	gggcttagga	cagacagttt	gtctacctgt	tggccggagg	1260
tgtggcgagt	gcgatcttgc	tggaaaccaag	ctgtgcaaga	gcgaagtcag	aggacttctc	1320
tcaaagaaga	atgcaggagt	gaaacccaag	gatgaagttc	tgaaggatga	tggcttggcg	1380
tctgganggg	canaggtcaa	ggtanaaggg	aggtga			1416

<210> 8672
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 8672						
gttactcagg	tcagccgcgc	gtcgcgcgtc	gccaaaccgac	actattctac	cctcgcactc	60
cacagccaca	taccttccct	tcgacataac	gtcatcgtag	tatctggctc	aacaatgcta	120
acgtatacgg	atatttcagg	cggcctctgg	ggcctcaaaa	tcaccatccc	accgaactac	180
cctctcgcgc	cgcccaacat	ccgcttcacg	actcgcactc	ccac		225

<210> 8673
 <211> 702
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (403)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8673						
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gaggacgtta	tcactatctc	atcaccctcc	cttcgaagcg	ccctggttct	ctccaccgcc	120
gacaggcgct	ggattgacct	ccttacacag	atcataaacg	acacctggga	tgaatcacat	180
cctcagcgac	cgaaggatca	cggatacatg	ggttcggaag	agttcatcag	actccaattt	240
gaggagtatc	tacttgcat	gctgtcctcc	atgaaatacc	acgaggagct	gcattcttgt	300
agtacgggtg	aatctgggtc	gaggagtagg	gcgcagttag	aagcatacaa	tatcgagggt	360
gatccggctt	tggacttcaa	tccggatttc	ctggcacact	ggncaaaacta	cttccaatta	420
tgccttattt	taaaacgctt	aacgtccgat	gctcttttat	tctcaaaccg	ttggagcctc	480
cgtcaatccc	tgccgcgggg	tggttctcca	ccattaggag	ggaccgggtc	agccggcggg	540
ctattccgcc	aacagggttg	gcggggagcct	ttccaccctg	ggaccgaatc	cggggttgcg	600
atggaaaaag	cccgccgcaa	gggcttcttc	caaccaagga	ccaatccttc	cgccaaaccc	660
gggttcaagg	aaaacaaaag	ttccagcgcc	tggaatttc	ca		702

<210> 8674
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 8674						
ctatacacga	tcggaaacat	caaattgttc	ctcaccgtga	ttaaatacac	cccgcaggca	60
tggatgaact	actgccgcc	gtcaacaaaa	ggcttctgta	tgattgcagt	tctgatggat	120
ttcacagggg	gcatgtcttc	tctgatacaa	ttgattatcg	acacttcctt	acaagcagat	180
tggtccggcg	cacagggaag	cgctaccaag	cttgtgcttg	ggaatctcac	gatctttttt	240
gacatcattc	tacttgctca	gcattactgt	ctgtactcgc	gcaaatcaag	gagcactggg	300
gcgcagctgt	ctgagcatga	tccgcttttg	agaacaggg	acgatagcta	g	351

<210> 8675

<211> 828
 <212> DNA
 <213> A.fumigatus

<400> 8675
 ggagatatag gctttgcaga tcttcactgg gtaatgaagg gttcagttct agcatacttt 60
 ctttgcattgt gttctaata cttggccttg agaactctac ctctaggggc ggcagttctg 120
 ttccggcacct catttccgc agagatgagg agcaacgttg ctcccatagg ttccattttg 180
 ggaagtattc tgattgcagt gggacttga ggtgttcaag cttcagcgca gcctttttatc 240
 ggtaggggggt gccccagcct tgtgttcgct caattttaaag aagaccctac tcaacttctg 300
 cttagcagac caatatacag agcaaacctg gcggataagg gttgcaaaga acggcaagca 360
 agtagtcgaa attcccgaag tgactatcca gtatatttac aatgtgtatt attggtatgt 420
 agagtcgaca gtacctttca aaacagacga ctttctttac tgactggcat ggatcatcat 480
 tctaggatgg tcaatgtcgg ttcattggga agcattgccca ctacattgat ggagaggtag 540
 atcggccttct ggtctgcata tctgctggat ctatgtgcgg tgatgattgc agttgtgggt 600
 gtccatctgg caaaaccaa gtttggatg atacaggcat cgtcctctca gttattatca 660
 acgattgctg atcccgagag aatcaacagt tcatcctgtc gcacaagcgt ccgtccttcc 720
 ccatgccgct cgctgcctat ggtatgctgc tcgggggtgt ttcagcctag atgctgcacg 780
 tccagagtat cagttggaga accaccacgg aatggtacca tgggataa 828

<210> 8676
 <211> 450
 <212> DNA
 <213> A.fumigatus

<400> 8676
 cgacacaaga tctcgttttag ccccgtaac cgtatcagtc tgggattcat catcatgtca 60
 gtggccatgg catattctgc agtcgtgcag gcaatcatct atcgctccgc accatgttac 120
 tcccaccac tgctgtgcc tgcgtcgtct gggggccaca ccccaacca cgtgcatgtc 180
 ctgcttcagc tgccacatt tgctcatcatt gcgctagctg aggtgttttg ctggccgact 240
 ggatcagagt atacctatc gcatgccccg aagagcatga agtcggtcct gcaggcctgc 300
 tatatcagta ccgccggagt ggggtatctg ttgggaatga ctttgtcacc tctagctaag 360
 gatcctttac ttgtggtgct ctggtcagcg acggctgcga tgatgtttgt gacagcctgc 420
 gcttttcggg tcgcattcag gaacttctag 450

<210> 8677
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 8677
 tctcactggc gcaagaagaa ggacgttggt ggaacctcag tccgcactat tttggctaac 60
 gtgttcatgc aaacggtcat ctctctctac ttgatggata acagtgaata cacttctctg 120
 atgacctttg ccagccaagg ctctcggtatc ttactggagg cgtggaagat caccaagaca 180
 gtgaatgtgc gtcttcgtgc accgccagcc ggggtcttct actcttctct cctttacgtt 240
 gtggtattcg aggataagca caagctttcg gaaactgaga agaagacca ggagtatgat 300
 gaaattgcat tccgttggct ctatatcatt gctgtgcctc tcttgggtgc atatgcagct 360
 tacagcttga tctacaacac gcacaaatcg ttggtattct acattattga aacgcttctc 420
 ggcagcgttt acgcatatgg ctttttgatg atggtcccca gtctctatat caactaccgt 480
 ctgaagggtg gtgcccctca attcaagccc ctgtag 516

<210> 8678
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 8678
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 actttcatcg atgatctgtt cgcatttacc gtcaagatgc catggctcca ccgtcttgcc 120
 actctccgcg atgatgtgat tttctttatc tggctctacc agagctataa gtacaaagtt 180
 gattacaaac ggggtcaatga atttggacag ggaggcgaca gcgatgagga ggctgaggag 240
 ccggcagcag ccgaatccga gaagaagttg gaggcggtgt ctgaagcgtc tggaagggac 300
 aatgctgaga agtcggcagc gaagaggaag taa 333

<210> 8679
 <211> 1011
 <212> DNA
 <213> A.fumigatus

<400> 8679
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 ttgatccaca ttttgacact aaaaaatctc cttgatcaag ggacaatcac taccttgatc 180
 aaaaatctct atccgattga catgatctct tccaagggttgc tccacgcaggt cgtctgttgc 240
 ctccgtccca gcaagaacaa gccgagtcgg gctacgcagg cttccctgct gcgatggctc 300
 atcctcgtct acgagttctg cgaggacagg tcgcacctcg ctaaacttta tgcgggtgctg 360
 ttcaatcacc ttgatatgat cagtctccgc aagccgttat gccatttgct ttcaataatc 420
 acaaggcgga agcacgtcaa gccatttagg atacaagctc ttatggagct ggtcaatgct 480
 gcaggtgcgg aagaaaaaga gctcatcggt ttgctaaacg tcttcaaaaa ttattatcca 540
 gacatcattg tgggggacct gggggccttg agacggagag gcttggtttt caagcatccc 600
 gaccccgagt ggactagtca cgcaaagctt cttcaagaca gaaatatgga gcaagtacaa 660
 gcggcacaaat catcaagttt tcaagtagtt catcgtgggg cggcgaagag agggaaaatg 720
 gaagtgatcg ttctgtttct ccagacatcg aggggtgcat ccaaccgtac ctcttttagaa 780
 gagctgcgca gcgtcgacca cttgattgga aagctcgacc gcattgaact tccaaatcag 840
 ataatatccg caatggcaga caacatagcc cagaaatatt tatttttggt tcaaccggag 900
 tctgcaaggc tccggttaga tgattggctg agcagctttt ttgacgaaca gttggagcat 960
 gctcaagacg aagaacgagg ctcgtcagaa tctctaggtt acatcttaag t 1011

<210> 8680
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 8680
 aggttaaaac tcatgaagat aaaagtagat tttgctgatg gcaaaatata tctaagtttt 60
 cattcaagag ttatggtata tagctcctcc ggcctctcgc agaaggaaaa aaaagacggt 120
 tcgagtcatt cttacttctt cttccgtgcc gacttctcag cattgtccct tccagacgct 180
 tcagacaccg cctccaactt cttctcggat tcggctgctg ccggctcctc agcctcctca 240
 tcgctgtcgc ctccctgtcc aaattcattg acccgtttgt aa 282

<210> 8681
 <211> 501
 <212> DNA
 <213> A.fumigatus

<400> 8681
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 tcccctccta atcgacctct ccgtattctt cccctgcttc atctcattca tgggccgctt 180
 tggcgctgct tcttccaacg ccccgagac gccctcgagc attctgtgtc cccggaaaca 240
 cccaacgagt acatgatcac ggacaatgac ccgctggtaa acacatacat tagtggtccg 300
 aaggagatga acatgctcaa ttgcgctgcc tttgtggcgg ggatcataga gggggtctgt 360

gatggctgtg gttttgaggc caaggtcacg gcgcataatc agcctacgga gatgtggccc 420
 gggcgaaacga tcttcctgtt acggtttggc gagagtgtca tggagagaga gaaggtgttg 480
 gaaagggcag gggtgaaata a 501

<210> 8682
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 8682
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 ggtcccacag gagccaacgc cagtgccgta cgcgagagac gaaggtcgcg gtcaagatcg 180
 tattcaccaa ggcgagaccg tcaccgcat cgcagggacg acagacatga tagccggcga 240
 gacaggtatg ggggcatga cctctatgct gatcgtgacc gccgtgaccg tagtcgtaac 300
 cgagatcgat caaaagaccg atacaggccg gaaaccaaca gccgcaggaa acggagtcct 360
 tcgccatgcg acgaccgcga caagcgacgg cgtacagacg atgctacata g 411

<210> 8683
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 8683
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 ccatcagaca acggctcagc gggcagaaaa ccaccactt atttcacccc tgccctttcc 120
 aacaccttct ctctctccat gacactctcg ccaaaccgta acaggaagat cgttcgcccc 180
 ggccacatct cgtaggctg a 201

<210> 8684
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 8684
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 gccacaaagg cagcgcaatt gagcatgttc atctccttcg gaacactaat gtatgtgttt 120
 accagcgggt cattgtccgt gatcatgtac tcgttgggtg tttccgggga cacagaatgc 180
 tcgagggcgt ctgcggggcg ttggaagagc aggcgcctaa gcggcccatg a 231

<210> 8685
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 8685
 cccgagctaa cgagagagat aagacggcaa atgtgcggac gagcgggccc caagggcaag 60
 gacaataacc gtgagacgta tctgatatgc ggaaaagctg atatacaagc tgtttgtgac 120
 cttctcgaag ccgatatgcc ggccattgaa agttgtctag caccggagaa gagaggtcta 180
 aaacggtaa 189

<210> 8686
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 8686

attgtttttaa	ttccgttcgt	aaagagcatg	gcggcactaa	ctgtttgcag	ggttcagagt	60
ggagggtcgc	taaaagaaga	caaccagaa	cagatcaaac	aggccaccat	ctatcgacgg	120
gcctacacag	cttttcaact	gcgcgacttg	agtaacgagg	tgccgctgtc	gacaattgcg	180
agccgctaca	acatcccccg	tggcgctgtt	cagacgctag	cgcagcaatg	tcacggcttt	240
gcggcaggca	tgggtgaagt	ctgccagcgc	atggactggg	gcatgcttgc	tgctgtccta	300
gatcacatgc	gtgatcgact	ggaagctgga	gcgcgcgcag	acttacttga	gatggctcag	360
gtcacatatg	tgaaaggctg	gacggcacgg	ctgctccgag	aaaatgggtt	tcggaactta	420
agagacctgg	cgggggcaga	cgcgaaggat	cttgtcccg	tactgatgat	ggtatgtcaa	480
ttggttgttt	ttaagcatgc	gtgggggtga				510

<210> 8687

<211> 477

<212> DNA

<213> A.fumigatus

<400> 8687

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tcgattatgc	agtcgtcact	gcaggaaactc	attgacgaag	gactattagt	cttcaaagag	180
gatgaatcgt	acgcggcgac	taaacttggg	caggccgtcg	tggcctcggc	attcgtccc	240
gaggacggtc	tttttgtata	cgaagaatta	aaacgagcct	tacgggcctt	tgtcatggat	300
ggtgacatgc	atgttttcta	catgttcacc	ccgatccaag	tgccgatgaa	caccagata	360
gattggctca	ttttccgaga	acagctggat	aatctcgacg	aaagtgggtc	gcgggcgctg	420
caatttgtcg	gtgttcagcc	gtactttgtg	aatctgatgt	gcgctgaatt	gttttaa	477

<210> 8688

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8688

agaacaccat	cctcaagggc	gttggatttc	atcgtaggtg	ctcacattgc	ttgcttatgc	60
cgacgaccta	actcggctac	agacgcagga	atgacaactg	aagagcggga	attgatagct	120
caagcatatg	atcaaggggt	tctgaaaagt	attgtggcca	cgtgcagtct	ggcagcgggt	180
gtcaatcttc	cggcgaggag	ggtgatcatt	aatggtgcac	gcatgggccg	agagttggtc	240
ggaccggcga	tgctgtaa					258

<210> 8689

<211> 546

<212> DNA

<213> A.fumigatus

<400> 8689

agacggaatg	tacagtcctc	gatcgaggac	tctacattcc	gggcctatct	caaggatccc	60
tacttcctca	agtctattct	gcccttgtca	gatgacctgg	tttgcattct	gagccgcatt	120
ttcgagtgtg	acccttccaa	gagaattacc	atcccggagc	tccgccagtt	gatectggat	180
tgccctcaat	tactctcaa	cccagtgatt	ccctgggttg	ctccccatgg	acccttgcc	240
tacgatgtca	ttagtggacc	acaggtccct	gtgtctgtcc	ctgtgcatgc	attcaaccgc	300
cagccatcga	cactctcttc	ggactcgtct	cactactcga	attactccga	gtctgcgcga	360
tccgatagtt	cttgctatac	ggaagtattc	accgatattg	acagcgttcc	atcgatgtct	420
tccgtcgagt	atgagccgga	gacggattgc	cggggcgacc	tttctctgga	ctccttgaca	480
tgcaaggaca	tctcggaggc	catcgttgtc	caccagtcag	accctcagac	actatgcgtc	540
tgctaa						546

<210> 8690

<211> 588
 <212> DNA
 <213> A.fumigatus

<400> 8690
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 attcggggccg cggcgccgta tttccgggtc aaggacgggg aggaccgggt gattatcaat 120
 attagttcta cgagtgggat tcatggaaat gcgtacgtct acatctcccc atctgctgtg 180
 gatatatcgt gtgctgatgg ttgctgggtg acaagaggac aagccaacta cgcgctcgcc 240
 aaagccggcc tgggtgggact gaccaagacc atcacgaaag aatggggccc tgcgtacggg 300
 gtgcggggcca acacgattgc gtttgggttc gtcaagacgc ggttgacggc tgcgaaggag 360
 gagggcgcgt tcatcaccac gccggacggg accaagggtg cactggggat ccccggaag 420
 cagctggctg ggcgcaaagg ggacgaaaag caggcgtatc cggatattcc gctaggacgg 480
 ccggcgagtc ccgaggaggc ggccagggcg attctggggg tttgcagtcc ttacttttcg 540
 tatgtgagcg gggagacgat ccgggtgacg ggaggtcgta atacgtga 588

<210> 8691
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 8691
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 tctttcaagc tgcaggagga ggagcgtgag cgcaaggatc agtacgttcc tgaggctctc 120
 gctctggatg tttcccagac cgagtcgggc cagctcgatg tcgatgccga caccaaggac 180
 cttctcaagt ccatgggcgt aagtctctgt ctcaacgcgg ttgttcgtgg ttttaaagca 240
 gtcggttaa 249

<210> 8692
 <211> 510
 <212> DNA
 <213> A.fumigatus

<400> 8692
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 cggccatgtc agtcctgcat aaggcgcgcc tgtgccgact cctgtcgcga tggcgagcgg 120
 aagaagccaa agtatctcga ggagggctcg taccgagtct tcaccataca gtacaacgta 180
 ccctgtttaca aacattgtgc atccaccacg ttaaatacaca cattctctc cggggatgcg 240
 gggttttcagt tacggacgcc gagtccaaat tcagggcaaa cggcatgttc ctaccaagac 300
 ttcagtcctg ggaccatctc ggcagaggat cccttcacg gtttggactt ggatgacgcg 360
 caattcgaac tagaggacgc ctccctcttg gagtctctc agagcgatgg gatcgaggca 420
 gattcacaaa gggatactct gcttgcgttt gcaataggaa gcgggtggtc aagtacattt 480
 ctccagtcgg aatatgagga ccctgtatag 510

<210> 8693
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 8693
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 gtggatttat cagcgtttat accctatgat gacacctaca tgtatttctt gcagtcgct 120
 ttaatcacc taggcggtag gctcggattc cacaatgata ttgtctgctt tgagaaagat 180
 acccacatgt tagcctag 198

<210> 8694

<211> 261
 <212> DNA
 <213> A.fumigatus

<400> 8694
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 gacactgtgg ctgccgctgt tctttcagga gcccctacag accttcaagc tcgaactgtt 120
 aggtacatat ttagattttc ctcaatcacc cgccgctttc tgaccatgca actaggattt 180
 acaagccttc gaagcctgca acgcagtccg gtacctggca cagccatcac tggagaatgg 240
 actgggacat tctgcatata g 261

<210> 8695
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 8695
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 cctgcaacgc agtccggtac ctggcacagc catcactgga gaatggactg ggacattctg 120
 catataggcc accgttggga gaaccctctg atgggttggc agtcttcggc cgattttatg 180
 cagggctact acctgaactt caagactaag gaagatgcca tcttgctcgc gcagaagcag 240
 ggatacgaat acttcgttca ggaacccaac gagcgtcgct tcgtccctaa ggcataatgca 300
 aacaacttca ttcacgaacc aaagaagctt aagcacatca ggaccaagtg a 351

<210> 8696
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 8696
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 tgttcatatt cccatattct catcattatt cagaagtctt accggaatat taacgcagtc 120
 tcaaaattag acaagatgag ctacatcgcc ccgccgaggt ctctcgacct tgattcccc 180
 caaggtaagg aatga 195

<210> 8697
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 8697
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 gaagattacc cattccctcc ccattgtgcc agccgccctc gtgatttcaa actttgttgg 120
 tttctgatcc acgaagtcgg ggtggcagcc atccctccga cggaattcta caccgatgcg 180
 aatgcccaaca tcgccgaaga ctaccttcgc ttcgccgtct gtaaaaacga tgatgtcttg 240
 gagacagcga aggagagact ccgcggtctg aagaaatata tctctaagta a 291

<210> 8698
 <211> 1599
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1199)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8698

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agcgaccgtt	ttcactcgtc	aagcgggcat	tctgcagagt	cgaatcccag	tccagttgtc	180
gtcatgcagc	cggtagcaac	gttgcgaaag	agaaagaaga	agaagaagaa	gaagaagaag	240
acgaggaaca	ggaatagagg	cgtgaacagc	caagattcca	tggttgaagg	cccctctggc	300
agtagaaacg	agacacacat	atgccggaca	cctcatgtca	gacccagtgt	ggactcgtac	360
attcaagccc	agggcgagaa	ggacaaccag	cagatgagat	cgccagaacc	gcctgagcca	420
gctatgtttc	agagtaattg	gacttctgca	gactgcgctc	catcccacaa	tgaacttcaa	480
caaggtgacg	cagacctgca	gccaggccct	ggcactgttg	gaaagccttc	gagtgccatg	540
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ttcagcaaca	gtcactctca	tccgtcgccc	cggcgagaga	gtgacatttc	aacgctctcc	1020
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gagcatcttc	tccaggatat	caaattggc	tggttctact	gtggacaaat	gaccttcacc	1260
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cccgaaatca	atctcgagat	gcgggtgctcc	catcgagtcc	tctacacaat	caagttcgag	1500
gatcggggaga	agaaggatag	attccgacgc	atcctcgagc	catgtctgtt	cagtaagcca	1560
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<210> 8699

<211> 1878

<212> DNA

<213> A.fumigatus

<400> 8699

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tacaccttcg	atggttcggt	ctatcctctc	tttccgactc	tggaaccggg	ccgcacgctg	180
tgtgtcgctc	cacagcacac	catcgtcggc	aacctcgccg	atgtcatcac	caagctgagg	240
gtcgacaaa	tcaacctaac	acccaccatg	gccagcctgc	ttcaccggga	cgacgtgccg	300
acgctggaga	tcttagctac	gggaggggag	cccgtcacgc	accacatgct	caatgtctgg	360
gcgccccgca	tcaaggtgta	cacctcgtat	ggcccgaagg	aggcgactat	ctgcgttacg	420
acccggcagg	tactccaga	catgaacatt	cgcaacgtcg	gccgcccatt	cccaaacc	480
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aaggccttcc	agggcactgc	cgatcaacgg	ttctatcgga	ctggagacct	ggctcgactg	660
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ctaacagctc	tggtggaagg	catggctgac	aacgtactga	agagctacct	gccacattcc	1080
gaaacatcgg	agatctgctc	agaagcagag	cgggaattgc	agtcgctatg	gtctgctctg	1140
ttcgatacgc	cgggccaggga	tatccacgcc	aattccacct	tccatgcgct	cgggggggac	1200

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cagttgatgg	ccgttcgcac	gctccccgat	gacttggatt	ttgatcgttg	gatctatctg	1560
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cgatcctacc	gcacagagga	agaaaagcag	agcatactgg	aagctgaatg	gcaaaggccg	1740
tttgatcccg	cgaagccatt	cgtacgggtac	acgttgcttg	aggactcca	gggcacacgc	1800
agcctgggtca	tcaacctgca	tcattcctcc	tatgacgtct	tcaccgcggg	gctggaaggg	1860
ggcaggtcaa	tcaaaagg					1878

<210> 8700

<211> 261

<212> DNA

<213> A.fumigatus

<400> 8700

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cacctctcca	gtaaacacca	gccaaacgcc	cgaccaaccc	ccaccgccga	cgcagatgcc	120
gactccgccg	aatccgagtc	cgagactgaa	tctgtggatg	acgatgacga	cccaggcaca	180
tcgtggttct	ccgagcacia	cgccccggaa	aaagtcctcc	gcttcctaac	ggatgagagc	240
ttcccccgct	cttcacccac	g				261

<210> 8701

<211> 963

<212> DNA

<213> A.fumigatus

<400> 8701

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cataactccg	agattctgga	cgacttatta	ccactgtgcc	agttgatcga	ttcccggtgt	180
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<210> 8702

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8702

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ttacccttat	gtctactata	ctttgatgac	tcatgacca	aagcaggctt	tgatgtcgtg	120
atttgcattc	ttattcccaa	cctttatctg	catttttttt	ttctttttga	caagtgggtg	180
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<210> 8703

<211> 516

<212> DNA

<213> A.fumigatus

<400> 8703

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cgcccgccctg	tgcacatcgc	caccaagttg	gatgagttgc	atccgtttgt	ccaaaccctg	420
acggtttcca	atgtcgcagt	ttgtgtcgag	gtcgagaatg	ctttccccga	gaacgagcgc	480
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<210> 8704

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8704

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acccgtgcgc	cagtctcaca	tcctgagtc	tggtattctt	accatctttt	ctttccgcga	180
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<210> 8705

<211> 315

<212> DNA

<213> A.fumigatus

<400> 8705

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cctggctggt	tcgacctcga	ggagtcctgc	cgccgtacca	tccactggat	tgacgaagcc	240
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<210> 8706

<211> 315

<212> DNA

<213> A.fumigatus

<400> 8706

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 <211> 270
 <212> DNA
 <213> A.fumigatus

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<210> 8708
 <211> 690
 <212> DNA
 <213> A.fumigatus

<400> 8708
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 gagaacagcc tcccctcgga ttcggaggag atgcgcgcga tccgcaacgc cgctcgcacc 180
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<210> 8709
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 8709
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 aactgcaaag tgtgcaacag tcctatgctt ctctctcttg agttgcacgg tgaccttccc 180
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<210> 8710
 <211> 1578
 <212> DNA
 <213> A.fumigatus

<400> 8710
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 cagattccct gcaactgccc agttgacata acggtctatg aacggaactc atatatcggc 240
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<210> 8711

<211> 720

<212> DNA

<213> A.fumigatus

<400> 8711

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<210> 8712

<211> 654

<212> DNA

<213> A.fumigatus

<400> 8712

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ccttcctgc cgccccgtct ggaatggccg agattaatct ccgggtttct ttga

654

<210> 8713

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 8713

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actgttcctc	ccagcgccgc	cctggtgatt	ctcagctctg	gtgcgtacaa	cggtctgtagt	180
tcgagaacgc	atctagacaa	aatgaacgaa	tag			213

<210> 8714

<211> 684

<212> DNA

<213> *A.fumigatus*

<400> 8714

ctgtgcccg	cagaactgac	agtgtgcagg	ctccttcccg	aaagcccccg	gtatttgatc	60
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<210> 8715

<211> 279

<212> DNA

<213> *A.fumigatus*

<400> 8715

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gctttcgagc	tggtatttat	ctatttgttc	ttccccgaga	cgtatggtag	aactctcgag	240
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<210> 8716

<211> 405

<212> DNA

<213> *A.fumigatus*

<400> 8716

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gagataggtg	tggtcctcta	ttggcctata	tcacgtctgc	acagttgctc	tatgtcctca	360

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<210> 8717

<211> 2145

<212> DNA

<213> A.fumigatus

<400> 8717

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<210> 8718

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8718

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<210> 8719
 <211> 357
 <212> DNA
 <213> A.fumigatus

<400> 8719
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<210> 8720
 <211> 333
 <212> DNA
 <213> A.fumigatus

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<210> 8721
 <211> 453
 <212> DNA
 <213> A.fumigatus

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<210> 8722
 <211> 942
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (809)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8722
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<210> 8723

<211> 1335

<212> DNA

<213> A.fumigatus

<400> 8723

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<210> 8724

<211> 1371

<212> DNA

<213> A.fumigatus

<400> 8724

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```

<210> 8725

<211> 333

<212> DNA

<213> A.fumigatus

<400> 8725

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gggccccctg tgccgggtctt tgtcaagttt actaatcagt tgctcggttt acgtgtgagt 180
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gccctggaag gccgagtggt caatggcaac acaatcacag cccgtttcta cgacactcag 300
aaattcgaag aagggatata tgacgaccgg tag 333

```

<210> 8726

<211> 513

<212> DNA

<213> A.fumigatus

<400> 8726

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ttgcccctgc cagcaggagt aacaaaacca ccacctccg agtctggccg cttcttttgc 180
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```

<210> 8727

<211> 1584

<212> DNA

<213> A.fumigatus

<400> 8727

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cttctctact tgcaaaggga tcttctcctg ttgatccttc tccctccct ccacagcgctc 180
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acgtcgtcgc tctcgtccga cgattcgttc ctgggcgaga gtccgcgagc cacacagtcg 1560
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<210> 8728

<211> 408

<212> DNA

<213> A.fumigatus

<400> 8728

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agcgcccgtc gtcggacaag cgtggtagtc ggcagcacta ccagcagtag tacaacaacg 180
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ccgagttctg ggaaaaggag aacgagcgac gcgctcagct gcgccagaag ttgcgccaga 360
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<210> 8729

<211> 375

<212> DNA

<213> A.fumigatus

<400> 8729

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<210> 8730

<211> 798

<212> DNA

<213> A.fumigatus

<400> 8730
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cagatgtttg cgcaggcggg cgggtatctg ctgcccagat tgaccggcag attctgttcc 720
gagttgcccg ttccgaggcg agtgtgcggg attgttttcg aattttttct atctgcgggt 780
tcatgggcag gtagctga 798

<210> 8731

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8731
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aattcaccgc caccctgcac agcggcttcc aggaatocca ctccctccat gaaaaaggcc 180
atctga 186

<210> 8732

<211> 1890

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1818)

<223> Identity of nucleotide sequences at the above locations are unknown.

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tctgggtcttg	agctcttnc	agggttccct	tttttccccg	gaaaaaacgc	gttggaagc	1860
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<210> 8733

<211> 2343

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2260)

<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 8734
<211> 207
<212> DNA
<213> A.fumigatus
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<210> 8735
<211> 183
<212> DNA
<213> A.fumigatus
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<210> 8736
<211> 405
<212> DNA
<213> A.fumigatus
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<210> 8737
<211> 630
<212> DNA
<213> A.fumigatus
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gccagttcgc gcaactccat tgccagcgcg ccctacagtc ccgcccgat tccgcagcgc 480
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cagcggcatt ccgctatcat caacgggcta cgggtggggg acccggatgc tctgctctac 600
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630

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<210> 8738

<211> 471

<212> DNA

<213> *A.fumigatus*

<400> 8738

```

atcgactga ctggttttag tgccgtgacg gcgttgtaca aaggcacccc ccgcaacgga 60
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actatctggc aagccggccg cgccacgtcg gcgacaggtc tggcgtttaa gccgattcaa 180
atcggacagc atgtgtttat cgatgagggt gcagggacat ataatccggc gccgcaggtc 240
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gggtaccggg caagcgtccg ccgggcacccc acagtcggca gcatgagtgg tgggaagaaa 360
tattttgggg gatgctctcg gcacatttgc ccaggccccg acgaacgact gatcccccaa 420
gaatccgaag ggggttttgc cccaaaaggg aaaaaaatt tccccaattt c 471

```

<210> 8739

<211> 501

<212> DNA

<213> *A.fumigatus*

<400> 8739

```

ttgtcatcgg tcatcatccg gctaacatca tccaactccc cacaagccgc caaaagcgca 60
gtccgagccc tggcagacac cctgcgcttg gaagtccctc ggcacaactc cgccaggacc 120
acctacacaa tccacatcgc ctttccagcc gacttcatct cgcctgggtt cgtcctcgaa 180
caagacacca aaccggacct cacgaagcgg atccagggca ccaacgtcgc cactttcgcg 240
cagctggagg agaaattccc gtcctcggag aaagtggccc aggggatcgt tgcgcgggtc 300
gaccgagggg attttattat ctgcgaggat tcattggctg cgagtctttt gtttacgaac 360
atggttgggt tgagcccaa gagaggactt ggaattgttg attcgttgtg gagcgtgggtg 420
atggggtggt ttgtggtgcc ggtgttgagg aggaggtggg agaagatgtg cagggaagat 480
gctattaacc ggctacgatg a
501

```

<210> 8740

<211> 348

<212> DNA

<213> *A.fumigatus*

<400> 8740

```

catcatccaa ctccccacaa gccgccaaaa gcgcagtcgg agccctggca gacaccctgc 60
gcttgaagt cctccggcac aactccgcca ggaccaccta cacaatccac atcgcttttc 120
cagccgactt catctcgctt gggttcgctc tgaacaaga caccaaaccg gacctcacga 180
agcggatcca gggcaccaac gtcgccactt tcgcgcagct ggaggagaaa ttcccgtcct 240
cggagaaagt ggcccagggg atcgttgcgc gggtcgaccg aggggatttt attatctgcg 300
aggattcatt ggctgcgagt cttttgttta cgaacatggg tgggttga
348

```

<210> 8741

<211> 1995

<212> DNA
 <213> A.fumigatus

<400> 8741

```

gtcctgtccc atctcaaagt gccagccaat tctgttttga ggccgccacc gcatatcagc 60
ccttcgaaga aaccccaatt cctagctacc ggccgcagtg ctctcaaaga tctaggcatg 120
acacgattaa aagctactag ggatggtata cttcaagcag gacatcatcc acagaacgat 180
catgggtctac gtgatccaag ccagaattca agcaaaacat ggaggccata tcaaggctcg 240
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gctgtgtcga gcggttcgcg gaagaatggt acacgacgta atgccagatt ctttgacaga 360
atgtcaaaag gagaaccgtc accgtatact ccacatctgt caggctctca acaggctcaa 420
gttcgcgaca tacaactaca gcagcccttc aatgcgcggt ctgctactcc gcaacttgac 480
cctaattgtca actcgtttcc cgttttgcct atgaattcaa atacatcaga cacttcaaac 540
aacacgacta tgcagctgcc gtttctcccg ttacacgtac cacattcaca atcggcacia 600
tcgcagattt tgcccaataa cctctcgttc accccttaag gttttccgcc aatgccagac 660
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gacagtgcta ttttgacagc tacagctgtg ccgcaatcgc ataccaggca ttctccgtct 1920
cccgtttcct cagtgcgaatc ggaaaactac cttctcgatc gcctagaaga gtcgttgaat 1980
gttcgccgcg actga 1995

```

<210> 8742
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 8742

```

ctagacacgg tgcaatttgg gcctagtga gcttgtcact taacattcat ggcgactttc 60
aaatccacca tctacactga cggcgtgct caagcatatt actggatata taagatgaac 120
atcaaaactgc tagggctcaag aagtgccttt ggcttcttca tggctagact aactactatc 180
attccacatc tcaagatatc attagcatgg atatacaata tccatgcatt ttag 234

```

<210> 8743
 <211> 294
 <212> DNA
 <213> A.fumigatus

<220>

<221> unsure

<222> (179)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8743

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ttcaaatagcc	tgcgtcatag	cacctctggg	atcatagaat	cgactataga	gacaaatcna	180
gaatggtggt	ataaaggcag	gaccaaggag	agcgcaacag	ataacaattt	ccggcgaaag	240
atacgcgatc	aaaggccggc	tgcttattat	gactttccag	cggtctgtgt	ctga	294

<210> 8744

<211> 783

<212> DNA

<213> A.fumigatus

<400> 8744

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gtgaactctt	gggtccagaa	cctcaaaaag	cgacttgacg	gtgaggacgt	cgacgagggg	180
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atgggtcgtc	gcagcgggtg	ccgcgaacgt	tacgatgctg	accctcagtt	gttgagcgac	300
gacttctctg	cgctggaact	gagagactct	gaaggctctg	ccagtcccgt	gaaacggatt	360
cttcccgcga	ccatcgctaa	tttgactgca	gcacctccac	cccaaccacc	aaggaggcca	420
cttgctaacc	caaactctgta	caaactcagct	tctccctcac	ctgacaggcg	taaggatatct	480
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cgacagtcca	cggaagcaaa	atcgagcaag	tggcagccgc	tggccacagt	ggagccatct	600
cctgtcgcag	agaatgatcc	gttcagtttg	ggagacagcg	aagatgagag	agataccaag	660
ggcagagagc	agaatcatgc	tgacgaagct	gatcgtatca	agagggctac	agcagaagcg	720
atggccggtg	aacttggtac	cacaaaaggt	aacgatcaga	cacagaccgc	tggaaagtca	780
taa						783

<210> 8745

<211> 1434

<212> DNA

<213> A.fumigatus

<400> 8745

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attacttgct	tggagtcctt	gaaagtatgt	catcctctga	atcctcgtca	gtgtccggaa	120
gtggacgtcc	cgatgcaggg	cggttgccaa	gcgaagatca	aggcgatgcc	tcgactcgat	180
acccttatct	cacatcttgt	tgcggccaaa	cgatccttgt	cgtcaattaa	tcattgtgtg	240
cgagccaatg	aaattgtcac	agccgctcgt	gctgcattag	agaatgtgt	ggtcgtgtcc	300
gcgaggacgg	cctttctccg	tccggggcct	aacaatcaac	tcgggctgtt	gtatagtgtc	360
cgaactgaag	tggaggagat	ctcccttcgt	ggacgctcgg	aatttgcggc	tgtcttgaag	420
gacctcgacg	acgcggatac	gcgactgaga	cgcaccttag	agcttcttcg	ggaaacaatt	480
gtccaccctg	cctttcgtcc	tgaaggagaa	gatccaaaga	gtctgcatga	ctttgttgat	540
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tctatcacgg	gtgatatgcc	cgttggcgta	cccgtcagcg	gccgtatggg	ctcaaacatt	960
gaagaagaga	taaacaacaa	tctgaatgca	ccattggacc	cactaagcaa	ttccgagtat	1020
caagaaatgg	tgaatgtcct	gttcaaggat	gcagctgaag	cggaagatgt	tgtgatggag	1080

attcaagatc	gaataggcga	aatggaatct	gttctggaga	acgtattggc	tcaacgagac	1140
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gagaatgatc	gtataagtgg	tggcttgcca	gatctttctg	atttgaactc	actttacaat	1320
ggcttccttg	acgcttatga	cggctctgatt	gtcgaagtac	cgcgtaaaaa	gcatgtgcgg	1380
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<210> 8746

<211> 1071

<212> DNA

<213> A.fumigatus

<400> 8746

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aatccctcca	agattgacct	cggctcgactc	ctactgggta	ttatcagcgc	agtcgcttca	180
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ctctcctgct	ggagtcctgaa	cggcgctcga	ctggcgcaac	gcctgcggga	aacttatcta	420
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tcgcgactta	atggcgacat	acaggctatt	cgatccggca	cgtcggagaa	agtggggata	540
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aagcttgccg	gaatgctcgt	ctcgttaatc	ccggcatact	ttctcatgtc	gttcgtcgga	660
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gcgttctggc	aggggagccg	aagcatagcc	gagtcctgtga	gtggcaatac	tcacgggtgcc	960
acggtagggg	ctacgtttac	ggtgattttc	attcttggtg	aagggtgagtt	cgattcaatc	1020
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<210> 8747

<211> 201

<212> DNA

<213> A.fumigatus

<400> 8747

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atggcttcta	gtggattcta	ttacccctta	gcttccttta	ttaaatattt	agcttcttat	120
tatctatcta	ggagttatta	ctatagctct	tttacttctt	ctatagtatt	actagacctt	180
gtaataaaat	atttaaaata	g				201

<210> 8748

<211> 249

<212> DNA

<213> A.fumigatus

<400> 8748

aatagtatgg	tgtctctaag	gttagggata	ggggtagtg	tagtagtaac	ccgtgtcatg	60
gcattaataa	tatgctcttg	cctagtgatt	atctgctata	atacctctaa	ctttacctta	120
aattccctaa	tctattactt	taatataata	acttccttaa	cttttaccta	tatagcctat	180
ttatatttct	acttaatctt	tattacctct	tctctatata	aggagttgct	attatatatt	240
atctcttaa						249

<210> 8749

<211> 285
 <212> DNA
 <213> A.fumigatus

<400> 8749
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 tccatgcatac tcatgtctaa tgtccagcgt ctagtgtctgt ttgtgcatca ggtcgggtta 120
 ttccgtctcc gccgactttc agcccccgct gctaactcca tgacctcac tcggaaaagc 180
 cgtctaatact cctatcccca tccactctca aactccaag ggtgccgtcg accaggccag 240
 cactacggag taagaccct caactatccc aagcacgctt cctga 285

<210> 8750
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 8750
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 agagatcaga cgagcggaga atccccactg gcaaccggag ataattggctc atggaacggg 120
 gaaggagcta aagtgattca tccattcgca tctatgatct cgtattggct ttccttttat 180
 gtgattcctg acactttatg cattaggatc ccttcataa 219

<210> 8751
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 8751
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 ggatcggaa taatgccctc ggccgatggg tcttctctctg ctcccccac cggtaccagc 120
 tcccggtcgg atcagcttgc atgggtataag tcgcagtatg aacaattaga ggctgagcta 180
 gcggacttcc aggcctccag ccgtgagctg gaggcggagc tggagaagga tatcttcacc 240
 acggggctgg aagcatccgc gcta 264

<210> 8752
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 8752
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 acctctccca ctctctccac ttctctctct ttgaacggca gacgatctgt ggcgtccac 180
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 gctcagagtg aacacgcagc tttgccagca gcagaagcag ttgcaaatac cgcaacgcag 480
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<210> 8753
 <211> 1770
 <212> DNA
 <213> A.fumigatus

<400> 8753

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cttcgatcga	ggggtattgc	tgtacatcct	attccgagcc	aggcgaatcc	gtttgctttg	180
agcctgtcaa	cctgccaaat	gacgtctatt	cttctcgccg	cttctattgc	gggcctgggt	240
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ttatctcctc	gccgatggac	cgctgaggag	atcaaggaag	cttatcgaaa	ggcgattgaa	360
tccccggtag	atgtcagcaa	gagccttcct	ccaaagcagc	atagacgata	catcgttgtg	420
ggcggatcag	gtatgtcaac	cttaccaatt	gatgcaaggc	aactgctgat	cacctcagga	480
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aagggttgata	tactgatgc	agaggccgtt	caggctgcat	tcacgcaacc	atggccgcaa	660
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ctggacggga	tgtgcaagca	ggtgctggag	tggaatcgga	gtgctggggc	ggagaccggt	1680
gctgcggctg	cggatcgtgg	gaagggggtg	gttgggtgtt	ctgaggaggg	gctggatgta	1740
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<210> 8754

<211> 558

<212> DNA

<213> A.fumigatus

<400> 8754

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gaccaccctc	gcaaagaccc	ccatccgctt	cccgcgctgc	gctcctgtcc	ctatgctgct	480
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<210> 8755

<211> 216

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(58), (59), (60), (61), (69), (72), (93), (95), (96), (99), (103), (105), (107), (109), (110), (111), (112), (195), (198), (211)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8755

ctgcaagagg	ttgggtttggt	tccatggggc	ggccagacgc	acccctcccc	ttctttannn	60
naggattana	anaggagggc	tcctggatgg	tantnnggna	aanananann	nnatctcccc	120
aacgtgggcg	atttgccaga	ttggtacagc	gatgcccggt	ttgcccaggt	cttcaccacg	180
gggctggaag	gatanaangg	tggtactatt	ncccac			216

<210> 8756

<211> 369

<212> DNA

<213> A.fumigatus

<400> 8756

aacagtatcc	ccgatacctt	ggggtgggct	agtcgcctcg	ttaatctcac	cgaacaatt	60
caattcaagg	ctaggctcct	acaactggag	tgttccatta	tggattgttt	agtcaagggtg	120
gccccgtgctg	tcccgtaacct	taataaagcg	ctccctgatt	ttgctcaagc	taagctagaa	180
tgctcgctgg	tcgagtattc	aactgtatcc	cgcctcaga	tgtacaatgt	tgatatgtcg	240
atccggcctg	gaaggtttgg	ttcgaggaga	gccagggggg	aatgatcaa	gagccaggat	300
atggggacca	cttactgtcc	tggccagggtg	gccggggcac	cgggtattgc	ggatgggtatc	360
caacgatag						369

<210> 8757

<211> 1053

<212> DNA

<213> A.fumigatus

<400> 8757

catgtcacgc	ccgagatgct	ggagtccgtg	caaatacatc	tcgaagcgga	caaagtgggc	60
atgaccccg	cggaagaagtc	caagctcgtg	aatgctgcga	ccgctgtgta	catcgacatg	120
gctgtcgagg	aaatgcggag	cgcggactg	gccccgaagg	cggattatcg	ggttcactgg	180
tggaaagtca	tgcaggactt	tgtggattct	ggggaggggc	aaagggtcct	ccaggaaacc	240
tctttgacaa	accaagaact	cgaaggggtg	attgccaaac	tcggcatcga	aggcgagggtg	300
attgccagaa	tgggcccaga	gatcgtgaac	atcctgaccg	gcaaaaccca	cgccctggcg	360
catatcatga	gagacgacct	gctcttccgc	gtgtatctct	ctgacgaagg	taggcgcgcc	420
aaccgctaca	tggcggaata	cgccagactt	ctcacctcac	agcgacgaga	tatccgaatc	480
ctggagattg	gggcgggaac	aggaggcacc	acgtcgggaag	tcctcaacct	ctgcagcccc	540
aatggcggaat	cattctgtgc	cgaatacatg	tacacagatc	tctcgccggg	cttctttaat	600
gctgcgaaga	ccacgctgaa	gaaatgggag	tccattttgg	ccttccaggt	cctcaacatt	660
gcggatgacc	ctgcaggcca	aggcttcaaa	gagcacacat	acgacttgat	cattgctgca	720
aacgttatcc	atgcgacggc	acgtcttacg	aacactttga	gcaatgttca	caagctacta	780
aagcccggcg	gtgtcttttg	ccttgtcgag	cttactcgat	taactccttt	ctataacctc	840
acctttgggt	cgctttctgg	atggtgggct	ggcgttgacg	aggggagaac	agagagcccc	900
ttacagtctc	ctcagcagtg	gaatagctta	ctgaagcaga	cgggcttctc	tggcgttgat	960
ctggccgcgt	atgatctccc	tgggcagag	agacatagct	gtctgttgct	gtcgacggcg	1020
ctgtctaact	cogttactac	taatgggcat	tga			1053

<210> 8758

<211> 219

<212> DNA

<213> A.fumigatus

<400> 8758

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actcatctct caatgactga aaccctccag aagaagcgcc tgctgcgcat gacggtggcg 60
cactatcggc agcccaacgt cagcgaagaa gagttctatc aatgggtgac tgaacagcat 120
gccgcccgtg ccgccaaact acatgcgaag aacgggatcg aggggttttg tatcgtgagt 180
agacgaccaa tctggaggcg agtgatgaat gccaaagtaa 219

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<210> 8759

<211> 312

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (263)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8759

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tacttcaccc cccagtcgtt tcgtgacttt acgtcgggaa tcaacaacgc gcgtggaaac 60
ccctggcgag ttcgagactt tgacgctcaa gtcgattttt tcttcggga catggagacg 120
ttttacaagg gggcgccga cgcgatttc caggcaatac aggcagaaga ggggcctttt 180
gttagcggcg agagggccga aatcagcttc ggctgggttg agacgtacgt cagagagggg 240
caagtcgtca acgtcgatga ggntgggaag catactttcc tgccgttcaa ggatatgagt 300
caggcaccgt aa 312

```

<210> 8760

<211> 231

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222>

(56), (57), (58), (59), (60), (61), (62), (63), (64), (65), (66), (67), (68), (69), (70), (71), (72), (73), (74), (75), (76), (77), (78), (79), (80), (81), (82), (83), (84), (85), (86), (87), (88), (89), (90), (91), (92), (93), (94)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8760

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gcatcaaagt tcaactctcat acactgtgta caggttaaaa catgtctcca ccaccnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnacacac tctgaactg gggaaaaccc 120
ccgggcgttt cccccacctt tattccccct tggcagcaac ttccccctt ttgcgaagc 180
tgggcgttta ttttcccaaa aaaggccccc ccccaaattc ccccttcccc c 231

```

<210> 8761

<211> 411

<212> DNA

<213> A.fumigatus

<400> 8761

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aatctcccc agttgaccac ctaccccggt caaagtggca tagatcccg tccccctggta 60
tggggcgcg ccatgacca atctcgtggt ccggtcatcg tccccgcag tgcggggatg 120
ctcaagcgac ggaacgccat aggcgcccac ggcggcagct acagcatcta caacgcgctg 180
gcgattgcgg caggagacct ggacgtgaac ttccgtccgg acttccggaa tagtgaaccc 240
acgtttaact tccccctggc accttcgtgg gcggacaaga caaagatcgt ctccatggat 300
tccgtttggg gccttgatat cgtccaaccc atttccctta agggacctgg gaaggctggc 360
tggggaattc ccggccctac ccatgggctg tttaccccg gccaaattg a 411

```

<400> 8762

<210> 8763

<400> 8763

<210> 8764

<400> 8764

<210> 8765

<400> 8765

accCGgtgga tccgggagcc acctaccgtt gaaaatgttc aggaccgggg gtgtttaacg 60
gagaatgtga cgттаacagc ctgcgcattg aaaaaaggct gtgaggggaga tgattgtaaa 120

aatcgggtct	gcacgggcca	cgactgcact	cccacgggct	gcacagggga	tgattgtacc	180
gacggtcatt	gctcgggtag	cgactgtcag	gaccacgggt	gcacggggcc	cgattgtgac	240
agcagtgggt	caggaagatg	ctttgggtcta	cagtgtctct	cgtgggggtg	tatcgggctc	300
gactgctcgt	cgatcgattt	cacctgcact	ggttcttgct	gccgcacgt	gacatgctcc	360
ggacgcgatt	gtgtcaatgg	aatctgcaca	ggtaagatt	gcagatcgga	agacaacgac	420
tgtgaagcag	aaaaggctga	ttcctgcacc	gattggatat	ctagtacact	ggtcacgccc	480
gcctcgacct	actccaccac	cacgataacg	acccgctgtg	atacaattac	tgctgtttct	540
gctaaagcta	cgaccaccac	tagcacctg	gacgaagatg	gactaattga	gggcaccatc	600
accgacttcc	aatgggcaac	gacctccgac	gatgcggatc	tgaccagcta	cctcgagtcc	660
gactattctt	ccttctggtc	ggcctttgat	tctaccagca	ccactacaac	tacaacgacc	720
aaacctacaa	caacgacaac	aaccacctca	tcgcgtccga	cagagaccag	ctacgattgt	780
aaaggtcaa	ttagatgtgg	atcgtttgcc	aaccttcaca	gcttctgtaa	tatggcaaag	840
ggcttcctaa	ctgaggacac	tttatacggg	taa			873

<210> 8766

<211> 216

<212> DNA

<213> A.fumigatus

<400> 8766						
agacctgcac	caacctactt	aatttttctt	ttagaaacag	cagtgtggca	cctcctgtac	60
atcactgacc	tcgacgagtt	cctttgcttg	ctcgactact	tcgactgtat	gtccggcgag	120
tgcacaggag	actgccgcgg	caagaccacc	aaggccagca	ccggcaatga	taatgtggag	180
atgagcttgt	tcagaaacct	atttggactt	agttaa			216

<210> 8767

<211> 648

<212> DNA

<213> A.fumigatus

<400> 8767						
gttgggtgcag	gtcttcagat	aacccccaac	gcctcacgac	ttttcgaata	ctggcaactt	60
cccaactcca	tctggcaagc	cgagctgag	cccacggcgc	tcaccgtcca	tcgctatacc	120
ggcccgattc	tcgccaacga	accgctcttt	cacaagaata	tcgcgcgcaa	gtatggcgcc	180
ccgttcacgc	acctgcatag	agtcgatctg	cagcaagctt	tgtttaccgc	tgcaaaggag	240
ctcggcgctca	cattccatct	caacgagaga	gtcgactcca	tagactttgc	tacaacaaca	300
gtccaaacct	tagcggggcaa	tcgatatacc	ggcgacttga	ttattgctgc	cgatgggctc	360
tggtctcgct	gccgcgagtg	tttcttaggc	aagaaggatg	cgccactgcc	cactggcgat	420
ctggccctaca	ggatcgctgt	gacggcggac	caaatctcgg	atccggagct	gagagcatgg	480
gttgagaacc	cagagtgccca	cttctggatc	ggccccgggtg	cacatgcggt	tgccctactcg	540
ctccgcaatg	gacgcatggt	caacattgtg	ctgcttgtgc	cggataatct	gcccccccca	600
gtctcccggc	agtctggttc	cgctctaaga	aatgcggaag	cactttga		648

<210> 8768

<211> 246

<212> DNA

<213> A.fumigatus

<400> 8768						
tctgcccccc	cgagtctccc	ggcagtctgg	ttccgctcta	agaaatgcgg	aagcactttg	60
aaggctggga	tccagtgttt	gttgcccgcc	tttctctctc	ctttgcttcc	tcttccggct	120
cccttgaaac	tgaacattaa	cagtcctgaa	tctgttcccg	gaactatgtt	ccactgcggg	180
ggaacaattg	aaaacgaagt	ccccgggagt	taccggttat	ataatcaatt	ggccctaccc	240
ggttga						246

<210> 8769

<211> 231
 <212> DNA
 <213> A.fumigatus

<400> 8769
 ggctctgtat cccctccatc agccacctca aagggttttc gcatattcac gacggaccct 60
 ttcgcgaaaa gttatgagac gaaagaggga aatattgcca tcattgagat gctgttctcg 120
 acatctcttg ttgcgctcat cctctcacc cgtcgtcttc aaatcactaa tactaagggtt 180
 tgtagtctcat cactggacaa ctgtacattc ttgaactctg ttccccgata a 231

<210> 8770
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 8770
 cgccaatcta caatatgcga attaaccttc cccacgaccg tactggcggt cagattgaat 60
 cggaacgac tcgtgattgt ccttgaagat caaatattatc tttatgacat tcaaacaatg 120
 aaactgctct acaccatcca gacatcgccc aaccccaacg gtaagcgatg taatccgctt 180
 cttgcctttg agtcgagcgc tttctaa 207

<210> 8771
 <211> 495
 <212> DNA
 <213> A.fumigatus

<400> 8771
 tgccagacag caatctgcgc gctatcacgc tcctctgaca attgttacct cgcataccct 60
 ctcccacaaa aggcgcgcgc ttcttcgttc aatccgcgcg ctcatactcc tccggggact 120
 actcatgtat cgcgcgacaag cggagagggt ctgatattcg atactttaaa actagaggcc 180
 ataaatgtca ttgaggctca cggatctcgc ctggcttgca tcacgctcaa cagtgatggc 240
 actctactgg ccaccgcttc tgacaaggga accataatcc gcgtcttctc cgttctctgat 300
 ggccacaagt tataccaatt cagacgcggt tcaatgccgt cgaggatttt cagcatgtcg 360
 ttcaatacca catcgacct gctctgcgtc tcctcttcta cagagacaat acaccttttc 420
 aagttgagcc atccaacatc atctccagac attcgtcttc accaaggcgc cgaagggtacc 480
 gcaaatgggt accca 495

<210> 8772
 <211> 846
 <212> DNA
 <213> A.fumigatus

<400> 8772
 ttgttctatt ctgttctctgg cagagggtctc cctgacctat atggatgtca agtccgccaa 60
 tgctgtgttg gcctgggcct caaagctcaa caatgggttaa taccgccaat ataccacatc 120
 atttccatca agctaacagg atattcagat tctcagtttt gtatattgga gcagttcttc 180
 cctgacggac ccaatcatcc ttttgcttca acaatgatga agcacttcaa caaacttgga 240
 gcgcccttgt actcaatcca cgaatatcgt tcactgagtg agcaagaaca gcgatttaga 300
 aatgccggct gggcacatgc gcaggctaga agtctctggg atctctgggt agataatgaa 360
 ttgtcgggaa gttctctacg agcatggctc gatacagtcg aaccgttcga tgagtgggaa 420
 gagtttgac tctttgcctc gcattacttc ttgctcgtcg cttttacgaa gccacaaacc 480
 atggttcagg agttacaaaa gacgccggca ttaactacgg agcccgatat atcctcacia 540
 tacgtgctgc ttgcggggcaa caaccggaga ggccggcaga ggagggttcgg gccctcatc 600
 ccggacagtg aaaattctat gggtcacccat tcaggtttag gccgccagac tcgtgatgtt 660
 tcgacagatc tctacagcac gtgcaagggt atgactaccc cgcaacttcc attccctcca 720
 cgagagggtc ctgctcggat gtgtcacacg gtgactagcc tgcgcggggg tgactgcttg 780

ctcgtcgggtg ggagagcctc accagcgaac gcatttcaag attgctgggt gcgacagggg 840
gtgtag 846

<210> 8773

<211> 222

<212> DNA

<213> A.fumigatus

<400> 8773

actaataaca gcagcattgt atccaaacgg agcgtcgaat tactatacta tcccaagccc 60
catttcttca gatattttgt gaagagacct ccgagacgat cgcctttgat taatcgtgga 120
tactggcttc gcatgcatgc tatggcggag tcggttcggc agttcatgaa gcagccgtcg 180
gataaaccca aattcgtatt gaatcttgga tgtggattgt aa 222

<210> 8774

<211> 450

<212> DNA

<213> A.fumigatus

<400> 8774

gtcgtagaga actaccgctg tgctgggtcgg acggagggga ggtgttctct tcagtcgtat 60
gctaagttgg gctgtcgtag tgatccatta ccgtttatac tcctgagtac cgataaatcc 120
ttgtgtagta cgacgaggtt cgtggatata gactacgaaa agctgatggt caataagaag 180
acagcaattc gcaggacaga cgagattacc cggcttcttg agaatgtaga atttctctcg 240
gatgaaagtc caatccagat ccgcagcgag caataacttg cgatcggttg tgatctgaag 300
aacctcaaga agctagatga tgtgctgaag acagagcttc tcccgctctga ttgttctatt 360
ctgttctctg cagaggtctc cctgacctat atggatgtca agtccgcca tgctgtgttg 420
gcctgggcct caaagctcaa caatgggttaa 450

<210> 8775

<211> 501

<212> DNA

<213> A.fumigatus

<400> 8775

gatcggctac tgtcaggggc tgggatttgt cgttggacce ttgctgatgc acatgaccga 60
tgcggaagcg ttctgtgtat tagtacgggt gggttccact cacagactgt tcttttcgag 120
gcccgaagctg attgcaacag gttgatggat cattatgac tgcggacatg ctaccaaccc 180
gatctatccg gtctccattt gcgcgtctat cagttccaaa acctcctggc ccgccaccgt 240
ccctctttgt tcgctcatct ggaatccctc aatgtggagc cgatctatgt gtctcaatgg 300
ttcctatcct ttttcgccgt ctctgtcct cttcccatgc ttctccgtat ttacgatgtc 360
atcttcttgg aaggggcgtg tgagaccttg atgcgggctg ccctgtcgct gatgcagagg 420
aacgagaaga agatcatggc ctatactgag tttgaagacg tgatgcaatt cttgctctcg 480
aggagcctgt gggatacgtg a 501

<210> 8776

<211> 777

<212> DNA

<213> A.fumigatus

<400> 8776

ctgatgttca acagatacgc ttgccatgcc gacgactttg tcaatgactt tgtctcgctg 60
acgtcgctgg tcacgaagga aagtttgacg gccttgggaag ccagctacaa tcagtcgcaa 120
ggggtgccaa ccggcatcac tttccctcag atgcaggcgg cggcgtcgag attcctgggc 180
cggttctggg cgggatccgg ctgcgaggcg aagtccttca atctcaaccc caacaatggc 240
agtatgtcta ctgcgcgag tgtccgcccg tctgcatcca aacagagcat gacctccacg 300

```

ctcaattcga tagaatcaac atccgacgcg agtacggctc cgacggagct ctcggcagaa 360
ccgcccgaag caccgggcca gtcggccatg tcgcacaaca aagaccgtga tctgcaactcc 420
cagatcgagg atctgctgat ggcgctcagc gatctccagc ggcagcatgc ggatcttaca 480
cgggagcttc agcaggagcg cgaggaacgg gaggaggacc agcaactggc acagtccatg 540
ctgaagtaca tcaaggagat tgaggccgac gatccgcccgg ctgagctgat tcgcaaagcg 600
gaagagcgat tcgtggcctc gggcagcgcc aagcgctct cgattcccca gacgaagcag 660
caactccggg aggatctcaa ccggtggaag gagatgcacg agatcgaagc gggccggtgt 720
ctcgatctga cgcgtcggtc ttcaccgggg gctgcaagtg cagcgccatt caagatc 777

```

<210> 8777

<211> 699

<212> DNA

<213> *A.fumigatus*

<400> 8777

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caccattgtg ctgatccttc ggctgctggc ggtgaagacg aatcgactgc tcttcttttg 60
gctcgggttg agcaggagaa caatgctcta gcgacgaatc ccaagtctgt gagccggcac 120
cgactgcaga caagggcgctc gcgagcgagc tcgtgcacc aaatcaagcg gttgattaac 180
gaggaccctc gatcgtctct gcgatactct cagctgcctc ctctcccat gactgagctc 240
gagttctggg ctgccttggg cgcggattat cctcagacgg ccagcgatt gccgactttg 300
acgtccaaca aaatccgcgg gggatatccc ccgcccgttc gaggcgtcgt gtggcctagc 360
ttggctgggg ctcgagattc ttcattacta gtcgaaatcg agagactgtg cggcgaatcc 420
agtcctgacg aaggtttgat cgggaaagac attggtcgca gttttcctaa cgtggagatg 480
ttccgggacc cccacggcga ggggcagcag atgctggcta aagtcttaaa gtgcttcagt 540
ctttacgaca ctaagatcgg ctactgtcag gggctgggat ttgtcgttgg acccttgctg 600
atgcacatga ccgatgcgga agcgttctgt gtattagtac ggtgggtttc cactcacaga 660
ctgttctttt cgaggcccga gctgattgca acaggttga 699

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<210> 8778

<211> 396

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (375), (388), (389)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8778

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gaaccggaag gcaggatcac ccgcgaggac ctgggactat ggaaagactc gcagattgag 180
ccattgagcc gcgtgatcga gtttgtccac agtcagaacc agcttatcgg cgtgcagatc 240
gcacacgcag gtcgcaaggc cagcaccgtc gcgccatggc tctcggcca cgcataccgc 300
tccgagaaga tgggcggcgt gccagggcgc gtgtcttcac caccgggctg gaaggagccg 360
ctctatttgc aaagnggccg ctctatttnc gaatcc 396

```

<210> 8779

<211> 201

<212> DNA

<213> *A.fumigatus*

<400> 8779

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cgctatccgg gagaaggctc tgaagctcgg ggccgtcaag tgcgagattg ccgacctcgg 60
ccgtatgtat attcgcgcca tttgcctggg tgcttagcaa tggaatctaa tggcgatgta 120
ggggagttta ttgagcagct ctgcttcccc gctattgcct gcaacgctat gtacgagaac 180

```

201

<213> A.fumigatus

gacttgcaga	catacatcgt	gccagacacc	atgccaaaggc	ctaaccctcg	tatcccagca	60
aacccaagaa	catgttccga	tctgaaggaa	ttccttcggc	cacttcatac	agaagtogat	120
acgctatata	agctatctta	tcgcctctct	ttgtcatatc	agaagttagc	ttcaacctca	180
ttagacgagt	ttttcccccac	agcaatcaca	tgtctcccca	cagggcacga	aacgggcccgc	240
tatctagcgg	tctatgttgg	tctatcgtat	ctaagaatcg	cctttatcga	cctgttggga	300
gatcagcagg	tcgagggcca	ctcacgcgta	aggcgaacac	tggagaaggc	atggcctatt	360
gaagagcact	tgcgacgaga	tcacgccccg	gatctgttca	cttggatttg	tgactgtatc	420
gctgaagtgg	tggcggatgg	cctcgccaat	cggagtgaga	agatgcctcg	tgagttgatt	480
acaggcattt	ctctctgttt	tcctgtcaag	tatatgatca	tcctctcgtc	tggtccaatg	540
caccatatat	ctaattag					558

<213> A.fumigatus

tcatccctcc	gtctgggtcca	atgcaccata	tatctaatta	gatatgacag	gcagaaatct	60
ttagatgaag	ccgtcttaaat	gccgacggga	aaaggggttg	ccttgaattc	agacctgaat	120
cttcgccagg	cgttgctaag	tggatatgaa	cgtcacacc	gtcgccttga	tgagcaccag	180
ggaccaatgc	cagctaagaa	acggaagctg	tactatctgc	cttcgttaag	aatcgcagtc	240
atgaccaacg	atacctgtgg	gactctcgcc	tctctggcat	actttataac	ttctttgccc	300
aacacgcgcg	tggtcatggg	gctgatcgta	ggcgccggct	gtaatgtac	tgttcctttt	360
agaattactg	atctgcatga	gttaaagact	cgccatatcc	gtgctaggga	gctgatgcg	420
ctagaaacgc	tagtttctac	tgaatggaca	ctttctagtg	cggctgctcc	gttgcatgag	480
cattggtatca	caacttcgtg	ggatacggag	ctggatatgc	attcccagcg	accagggttt	540
caaccattcgc	agtatatggt	cggtgggcga	tatatcggtg	aattgggtccg	aatcatctgc	600
tacgactggt	tcaatcgatc	cctaggcatg	gcgcggtctg	cgctgccctt	aaaactagtc	660
aaggaatatt	ctctcacaac	agattttctc	tccctctttg	tggcgtccaa	ttactccaat	720
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<213> A.fumigatus

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gatgtgatga	agttcagtat	tctaaatgaa	gatcacgatt	atgtaaagtt	cgatggcatt	180
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<210> 8783

<211> 468

<212> DNA

<213> A.fumigatus

<400> 8783

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ataggagaag	atgcaagggt	cggtccttca	gactggccat	cccagcagca	tatcaccttc	360
aatcttgata	tcaacgacga	cccaggattg	tgggaagagg	tcttcgggtc	gatcgatatt	420
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<210> 8784

<211> 459

<212> DNA

<213> A.fumigatus

<400> 8784

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ggctgtcgaa	agaatggcac	atgggggtgg	tccgaagaca	ttcaagcatt	ttgccagtc	360
ttcaaagtcg	acgttcgctg	ctatagcacg	aaagggtatt	agacctttcg	agatgtttat	420
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<210> 8785

<211> 1491

<212> DNA

<213> A.fumigatus

<400> 8785

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gcttgtgcat	tgtacagggt	gttagtccag	tataccacag	aacacttgac	atttgaggat	180
ccgatcgata	gattgggggt	tgtcaaacga	gtccagagtc	tcattgcaaa	actgaatgag	240
caacttacgg	tagcggttgag	tgacgagcgt	cacagggatt	atctcactca	acttgcgtcc	300
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gatctatctg	ggctcgaacc	atttgccgat	tggctttgtt	atttcctcgg	cgagttttta	1440
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<210> 8786

<211> 933

<212> DNA

<213> A.fumigatus

<400> 8786

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tgcggccgaa	tcctgccacg	ccaggtaaa	ggtaccaggg	gcttgaacca	tacaaaggat	180
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gctgtgagag	gcgaaaagac	acctctctcc	gagaagatgg	cgcagggtga	agctgtcctt	360
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gtcaaagccg	aggatgtcaa	ggtcaaagtt	tgcatttttg	catttgacct	tttggttttg	900
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<210> 8787

<211> 246

<212> DNA

<213> A.fumigatus

<400> 8787

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aatctgctgg	acgagagcgt	caatgtgtca	tgtgaagggc	tgatggtgaa	gatgttggat	180
acggaagaga	gtggttacga	gcccagtaaa	tcgaagccgg	aattggctaa	aggtattcctt	240
cattga						246

<210> 8788

<211> 549

<212> DNA

<213> A.fumigatus

<400> 8788

caggtaaga	aagactacct	tgcaggcgtt	ggagactccc	ttgacctcgt	tgtgcttggg	60
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aattcaagca	cacagactta	cgagacgatc	tgcaacattg	gcacagggtt	ctcagaagcg	180
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tcgcgcgacg	acaagaagcc	ggagcaggcg	acgaccacga	gagcagtggc	agagatgtat	480
cgcaagcaag	aggccgtcct	caaagaaaac	accagcaaag	gaggtgtgga	tgatgacttt	540
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<210> 8789

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8789

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cactttggag	aaaccaaaga	ccatcgagac	cgaggcaacc	atgaggatga	ttacttagat	120
tcctgggtcca	atgaattcaa	cgtcgcaggg	acaaagagcc	aagacacca	cactcgtgct	180
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<210> 8790

<211> 183

<212> DNA

<213> A.fumigatus

<400> 8790

cacaaccctt	tgccccttca	ggaggggtcc	atggagggtt	attttacgga	tttgcccaaa	60
ttccaaggcc	cgggggttct	caagaaccag	gagatctacg	ccattcaagg	aggtttctgt	120
ctgcggccga	atccgtccac	gccaggtaaa	gggtaccagg	ggcttgaacc	atacaaagga	180
taa						183

<210> 8791

<211> 504

<212> DNA

<213> A.fumigatus

<400> 8791

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ctgaacatgt	tcctatcgat	gcgcgcaaag	gatgaccagt	catccctcgt	cttctcgggt	120
gtcttctcca	tagtttggat	tggagaggct	gttgtgacct	tgcagatcaa	gttgcttggt	180
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tacctagcgc	tcattgcatg	gtccttggct	gcagggtgtga	gcattttggg	tggttccggt	420
gtaatcaaga	accgggtagg	cattgcggtc	tatccgctgt	tcgtattcta	catcgcgata	480
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<210> 8792

<211> 183

<212> DNA

<213> A.fumigatus

<400> 8792

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gcagccgata	gcgatgtaga	atacgaacag	cggatagacc	gcaatgccta	cccggttctt	120
gattacaccg	gaaccaccca	aatgctcac	acctgcagcc	aaggaccatg	caatgagcgc	180
tag						183

<210> 8793

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8793

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aactggatatg	atatctgctc	tcaatttgaa	agtttccagt	gcaattcaat	gcttctaaag	180
attgactact	tccatactcc	ccttttaa				207

<210> 8794

<211> 258

<212> DNA

<213> A.fumigatus

<400> 8794

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cccatccttc	acaatcagct	ttcctcggtc	atccgacaac	ttacatcctt	gacttgccct	120
ggcttcattc	acaaaccagc	tttggcagca	aacctgccta	gctaccaggg	tagccccggt	180
gttcctaact	caagctccgg	agttaaggtc	agcaggagca	agaagcaagg	cacaataggt	240
acctacctac	ctatctag					258

<210> 8795

<211> 582

<212> DNA

<213> A.fumigatus

<400> 8795

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<210> 8796

<211> 378

<212> DNA

<213> A.fumigatus

<400> 8796

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ctccccaga	ttctgcaaga	gggcatcctc	ttcgctggat	cagggacagc	gcttcttctc	180
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gccaccgagc	tcggcaatgc	cctgcaagca	atggtgagct	acgtttcctg	tctgggtggt	300
gcgacacggc	aagagaagaa	gacactgctc	gacatgctaa	atcgaggcca	gcctcccctt	360
cgcggcagcg	agcattaa					378

<210> 8797

<211> 510

<212> DNA

<213> A.fumigatus

<400> 8797

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gcggtctatc	ctgcgctccc	gggtgctgtg	cggtcttata	cgttgcggta	ctacctcaat	480
gagctaagga	aacatttgaa	tgttgtttag				510

<210> 8798

<211> 387

<212> DNA

<213> A.fumigatus

<400> 8798

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ctcttcgagg	agctcacagc	ggcgaagaat	atagggacaa	gtcacatgga	agagaagtg	360
catgcaccta	gcgcgctaca	atggttaa				387

<210> 8799

<211> 702

<212> DNA

<213> A.fumigatus

<400> 8799

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<210> 8800

<211> 600

<212> DNA

<213> A.fumigatus

<400> 8800

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<210> 8801

<211> 894

<212> DNA

<213> *A.fumigatus*

<400> 8801

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<210> 8802

<211> 405

<212> DNA

<213> *A.fumigatus*

<400> 8802

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<210> 8803

<211> 513

<212> DNA

<213> *A.fumigatus*

<400> 8803

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gccgacgagc	ccctgcgtga	agccctgaag	aacatgggca	tcgaggagga	taccgtggag	360
aagttggaag	ctagagatgc	ctccttggtg	aagcgcagca	tctgctgcag	cttccccgac	420
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tgctccgaca aggggtgtttg cacctgcaac tag

513

<210> 8804

<211> 567

<212> DNA

<213> A.fumigatus

<400> 8804

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<210> 8805

<211> 675

<212> DNA

<213> A.fumigatus

<400> 8805

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<210> 8806

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8806

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<210> 8807

<211> 282

<212> DNA

<213> A.fumigatus

<400> 8807

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<210> 8808

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8808

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acattacttt	cacaaaagga	ttacaccgag	catctagcta	gacaagttat	ccagggcaca	180
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<210> 8809

<211> 1137

<212> DNA

<213> A.fumigatus

<400> 8809

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<210> 8810

<211> 384

<212> DNA

<213> A.fumigatus

<400> 8810

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<210> 8811
 <211> 948
 <212> DNA
 <213> A.fumigatus

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 aagatgttga ttgcggggac ggctatcatg gcgctgtcgc tcgtttggat gtttggtatt 900
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<210> 8812
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 8812
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 ctggcgggtca ttgtgtctca tcaaagctat cagactttca ggagaccgag ggtgctcctt 180
 tgctcatga 189

<210> 8813
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 8813
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<210> 8814
 <211> 1266
 <212> DNA
 <213> A.fumigatus

<400> 8814
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<211> 495
<212> DNA
<213> A.fumigatus
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<210> 8816
<211> 414
<212> DNA
<213> A.fumigatus
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<210> 8817
<211> 318
<212> DNA
<213> A.fumigatus
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tgggatacgg	gcaagtacca	ggcgaatgcc	acgggtcccac	tgctgactgc	gacgtacacg	180
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tcgcagaacg	gttacctttt	cggcatgtac	agtcgcgaac	cttatactcc	tctcaacggt	300
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<210> 8818

<211> 357

<212> DNA

<213> A.fumigatus

<400> 8818

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<210> 8819

<211> 342

<212> DNA

<213> A.fumigatus

<400> 8819

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cctggcgtgg	taacagcgac	ggcaaatac	gttgggtggg	ccgaaatgga	ggtccgcgtg	180
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<210> 8820

<211> 1380

<212> DNA

<213> A.fumigatus

<400> 8820

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<210> 8821

<211> 252

<212> DNA

<213> A.fumigatus

<400> 8821

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<210> 8822

<211> 942

<212> DNA

<213> A.fumigatus

<400> 8822

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<210> 8823

<211> 411

<212> DNA

<213> A.fumigatus

<400> 8823

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<210> 8824

<211> 924

<212> DNA

<213> A.fumigatus

<400> 8824

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<210> 8825

<211> 459

<212> DNA

<213> A.fumigatus

<400> 8825

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ccagcccagg	gagttctcgg	ccatgacagg	agcaactgac	atctggcccc	ggccacttcc	120
ccggctattc	tggtctgttc	gggaaagacg	accgccagcg	gcgaagagag	aaccggcccc	180
acgaccttca	ctcgtctgct	ccatagtggg	attggagcgg	cgatgcaatt	gacgcttctt	240
gcggtagcga	cgagcaaccc	agaacatacc	cgcaccataa	gctgcagcgc	cgcatacgac	300
accaacgcgg	atgcccaacg	agctggcagc	agccgaagcg	ctgcgactgg	caccggcatc	360
cgcactgttg	ccagagttac	tgccactgcc	attaccatca	ctgctgctac	cactgccgct	420
gattccactg	tcgctataca	atccgctgcc	actagatga			459

<210> 8826

<211> 423

<212> DNA

<213> A.fumigatus

<400> 8826

cgcaccgctt	acggcatctc	atggacctat	ctgtttgggtg	atgtcgccca	cgaaggctac	60
aaagcctacc	tgcgcaaccg	gcacgtcctc	gccccaccgg	gcgaggccta	caaggacgcc	120
aaagacctct	cggccaacga	ggtcgtcatg	ggcatggcaa	caggcgacat	gggcagtccc	180
agcgccggca	ccgatgccga	gctcgtctcc	tggccgacaa	cccgcatccc	cctcatcgag	240
gactaccgca	tggtaatggt	caaacgggcc	gtgttccaga	gcatcgcaag	catggggctg	300
ccggcgttca	cgatccactc	ggtgggtgaag	tactccgggc	aaatgatgaa	gaacaacaag	360
aacgtctttg	tgcggacatg	gacctctatc	ggcgatatgtt	cccctccacc	cgagcagcgt	420
tag						423

<210> 8827

<211> 1020

<212> DNA

<213> A.fumigatus

<400> 8827

cacattacga	gatcaatgtc	ttcatatgat	gtgcttgtea	cggggtcggc	aggccacctg	60
ggcactgccc	tcatgctgtc	ccttcctgag	cttggttcca	caccttttgg	catcgatatc	120
ctgccctcct	ccaccaccac	cagggtagga	tccattacgg	atcgggcttt	catcagctcc	180
gtcttgatgt	cccaccccat	caagcacatc	ctgcacgctg	caacattgca	caagccgcac	240
atctgcagcc	atcaaaacga	agactttgtc	gcaaccaata	ttcttggaac	gctagtgtcc	300
ctcgaagaat	cggccaaatc	tccccgccag	atcgagagct	tcatcttctt	cagcacgacc	360
agcaccttcg	gcatggcact	cagtcccaag	cggggtatcc	ctgccgcatg	gatcgacgaa	420
accgttgctc	cggaaaccaa	gaacatatac	ggcgtgacca	aggtcgcagc	ggaggatctc	480
tgtgcgctga	tccacaagca	gagtggcatg	cgggtactgg	ttctgcggac	gagtcgcttt	540
ttccccgaag	aggacgacga	cgagggacgc	cgcgcggcca	tgtccgacga	gaacctgaag	600
gtgttgaggt	tggcgatcgc	cagatgcgat	attgaggata	ttgtgcgggc	ggcgggtctgc	660
gcgatggcga	aagcgaggga	tattcgctgg	ggaaagtaca	ttatcagcgc	gccgccgctc	720
ttcaagaatg	atgcgcgtac	gctcgaccag	ctggaccgta	acccggccga	ggtgtttaat	780
gagctgtgtc	ccgaactagg	ggcgtgtttt	gagaagaaag	ggtggaagca	tctttcgagg	840
atcgatcggg	tgtacgattc	gagcaaggcg	atgagggagc	tgggggtggga	gccacagtat	900
acatttgcaa	agacgggtga	gaggttggcg	atgggcaaag	agtggaggag	tgacttgacg	960
gcgaaggctc	gcaggaaggg	ataccatgct	gtgagcactg	gtgtgtatac	caagcgatag	1020

<210> 8828

<211> 309

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (268)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8828

gatcattgct	taagtgggac	gacctcgggt	gattctccgc	gagacttgag	catcatcgca	60
gagaatgaga	tcgacttctt	gatggaggac	atcgagatat	actctggagg	aacaccggta	120
tcttcaactc	ccttcctggg	ctcctttctc	cccagtttgc	gtcttgctac	actcgctaat	180
tctagcgtca	aactccccgg	cctcgcccaa	cccaacctgg	tcaagaaat	ccttgatcgt	240
gtgccctcgc	cacgcttcca	ggtctgtnc	gtggcttttt	atagcaccat	acgaccgttg	300
catagctag						309

<210> 8829

<211> 825

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (11)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8829

acaggaacat	ntctcggcgt	tcttgatact	cttaaaaaca	tgcctacaga	attgcctccc	60
ggaaccgtgg	ggaatctcac	ggcagagcag	gaagcgaaac	tgcaggaatt	ctggatactg	120
cttctgaagg	tttttggcgt	taaacttgat	gcgctggagt	cagctaagga	agcatcgacc	180
agcgcgtcgc	aggagaacaa	gaaagagtcc	aagcgacgat	tccggctctt	cggccgaggc	240
aaggatagtg	aagatggcac	tgcgagcgag	aaatcggcag	aagggatcac	aaccaacctc	300
gcttctatca	atattttctga	tacagacgat	aagtatggtc	agtcgaagga	gtttcagcaa	360
actctagttg	acatgtcgc	tgaggacatt	cggacaacat	tctggactat	ggttaaacaa	420
gataaccccg	attctctact	gttacgcttt	ctacgggcgc	gtaagtggga	tgtcaagaat	480

gctctcgtca	tgtttatctc	tactatccgc	tggagggtga	tggacgtgaa	ggtggatgac	540
gatatcatga	agaatggcga	gcaacaggcc	ctcagacagt	cgcagagttc	cgatcctatt	600
gaaaagaagg	ctgggtgagga	attcttgacg	caaatgcgtc	ggggtaaagag	tttcctccat	660
ggcgtcgaca	aatccggccg	gccaatttgc	gttgtcaggg	tgcgcctgca	taaggctggg	720
gatcaaagcc	aagaagtctt	ggaccgcttc	actgtctaca	caattgaatc	ggcgcgcatg	780
atgcttgccg	ctcccgtcga	aacagctgtg	agtctcaa	cttag		825

<210> 8830

<211> 195

<212> DNA

<213> A.fumigatus

<400> 8830

ccgacttctc	attggcgaat	atgggatgac	cacgatcttc	aatctgccat	aaacattcac	60
ttacctcggc	aggattactc	cccggtaag	ttcatgatca	aatgcttcga	ggccaactat	120
cctgaatcat	taggggttgt	gctcattcac	aaggcgcctt	ggatcttctc	tggtttgtct	180
tcgttcctaa	attga					195

<210> 8831

<211> 513

<212> DNA

<213> A.fumigatus

<400> 8831

aagccgtatg	tactgaagta	tttctgcaca	ggaatctgga	acatcatcaa	aggatggctt	60
gaccgggtcg	ttgctgctaa	gggccatttc	acaaagaacg	tcaaggatct	ggagcagttc	120
attcctcgag	atcgcatcat	gaaggagctt	gaggggtgatg	agaattggga	gtacaagtac	180
ctggaatgcg	aaccggacga	aaataagccg	atggaagaca	ctgccaaacg	tgacaagctg	240
ttagcagagc	gacatgaact	cggcaaagaa	atccaaaatg	cgaccatttc	atggattgcg	300
gccagctcca	agggagacaa	ggatgctgtg	gctacagcta	aggataagag	aaaggacctt	360
attgagcggg	tgagggagca	atactggcag	cttgaccctt	acgtacgtgc	caggccctg	420
tacgatcgct	tgaatgtgat	ccaaggtaat	ggcaaaaatcg	acttctattc	agcggagagc	480
atgtcgaagg	gaaatgcggc	cagcagccaa	ttaa			513

<210> 8832

<211> 294

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (284)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8832

gaagacatat	gttgcacccg	cagggatgca	gctatcgcat	cggttatata	ccttgagcaa	60
gctatcgcta	agactccagg	gtccgcggca	tctctgctcg	ggagcctgct	acaaggccaa	120
ggcagcgccc	ctcttcacgt	cattgaattg	gggtctggct	gcggtattgt	gggtatagcg	180
ctagcagagc	tcgtcccgcg	ttgctcggtt	ttacttacag	atcttgatga	agttgaggag	240
attgtcatga	aaaacatagc	cgttgcaggg	ccagcttcat	tgtncgcggg	ttag	294

<210> 8833

<211> 660

<212> DNA

<213> A.fumigatus

<400> 8833

```

ccccagatcc gtgaacaatc cgtgaaatcc ttccggccaaa acccatcgac tgataataat 60
cgcaacacgcg cttgtgctac cctattcaac ttaaaaacca ggaatctaac tattctcacg 120
atacatctct gggctccctg tcaaccaccg atgtcaatcc acatccccct ccgcccgcagc 180
gcggtcacta ccgcccgcgt ccagacatcc accacctata tctgctccca atgtcgacat 240
gccacactcc tccggcgccc caagcgcccc tacaccttca cgcagctcat caccctctct 300
gacggcgagca ctttcacaca ccgcacgacg tcgcccagac ccgtctaccg ctcgactcga 360
gacacgcgca attcgctgct ctggaacccc tcgtccagca agctgatgaa cgtcgaggag 420
gacgaagccg gtcgtctcgc tgcatttaga gccaaagttg gtcggagctg ggatgcgaat 480
acgcctgctg aaggggacac agataccgag gtcgccgcta agggcaagga ggccgctgat 540
gctcatgcag cagcagctgc tgaggccgcg ctggccgagg aggaagacga caatttgctt 600
gacctgataa gttcgtttgg acaggagatg gagcaggaac ctccgaagaa gaagaaatag 660

```

<210> 8834

<211> 825

<212> DNA

<213> *A. fumigatus*

<400> 8834

```

attctcaggc ccttcaaaag tttgaaatct cgtgcacgct ccattctagc aatggcgctca 60
cgtaggtcga ggtctccttc gacccttctt gaggggtgaga tcatcgaatc aggttcagag 120
acgaaggcaa ctacgtcgca acttctctt aatggcacca gcgttgaccg tcaaaccaga 180
gtcagtacat cgtccgccct cagatctcca gcatctgtaa gcagatcgcc acgccaacgg 240
aggtccaggg cgaggacttg gtcgcgttca cgatcgcat cccgctctcg ctccgcttat 300
cgagaccacc gagggcgaaa acgtcgacac gcggatgact ataacgagag gcgttatcga 360
aacgaaccat ctcgacgcgg aggtcccagg cataacgatg acagacacta taatcgggc 420
cctgcttccc acatacgctc tagaccttac catgattatg accgagatga ttattacggg 480
ggtggtctcc ggtacacgga cgactatgat cgacgcgggg ataagcgacc tcggacgcga 540
agccgatcac cctaccggga agtacgaaaa cccaaacagt actcggggcg cgaatgggat 600
tctcatagag agggcagcgt ggcacccgc gatactgaaa ggcaaaggct atctactgaa 660
cagttagtga gcgagcgagg gaaacctccg gtcgtcgctc aagactctag acaagatgct 720
gaagttcgaa agaatcaggt gctgcaggtc ccttctcact cctcctcact tgttgaagac 780
aggtatggtt gccctggacc tcttttgagg ttcatgcact gctga 825

```

<210> 8835

<211> 711

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (99), (260)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8835

```

ataactggga cgatccagaa ggggtactat aatgtccggc ggggtgagtt gatcaatgaa 60
cgatatcatg tcaagcagaa tttgggcaag ggaatgttnt catccgtggt tcgtgcaaca 120
gacgccaaaa ccggcggtt tgtagcaatc aagatcatcc gacagaatga caccatgagg 180
aaagcaggat tgaaagaaat tggcatcttg gagcagcttc gcgaggccga cccggaggat 240
aagaagcacg tcatccgttn tgagcggcat ttcgaccaca agggccatct gtgcatggtc 300
tttgagaatc tcagcatgaa cctacgagag gtcctgaaga aattcggacg ggatgtgggc 360
ttgaacctac gcgccatccg agcgtatgca caacagatct tccttggaact cagtctgctt 420
cgcaagtgca atatccttca tgctgacttg aagcccgcga acctgctcgt gaatgagcag 480
cgtaacgtgc tcaaagtgtg tgacctgggg tcggcttcac cggccacgga caatgaaatc 540
acgccgtatc tggtcagccg attctatcgt gccccgaaa tcatecttgg gatcccatc 600
gaccatgcaa ttgatgtttg gtcgataggg tgtacgctct tcgaactgta cacagggaag 660

```

atcttgttca cggggcgaaa taacaaccag atgttacgct cgatcgtctt c

711

<210> 8836

<211> 486

<212> DNA

<213> *A.fumigatus*

<400> 8836

actaattctg	ctttgttaat	agcctctcca	caactgtcgg	ctgccgaagc	acccaacgat	60
agcgccggtg	attcgttccc	agagtttgga	aatgatactg	atatagctaa	tcacgatgca	120
cctacggacg	gtgcagataa	agatgagcca	tctgctgcgg	attacgatcc	gaccattgac	180
atgaaagcag	aaagacagaa	gcatgacgca	ggagactcca	atggagatgt	gtcttcggct	240
cgctacgacg	aaacacagac	caccaagcag	gatgttctga	tgccagatgc	ccccaagcc	300
cagcaatccg	aatccaaggc	gaaagatcct	tatgatattg	tcgcagagga	cgacgatgac	360
atgttcgcgg	aggataagga	ggaaaccacg	caacctacac	atgcctcggc	cgtgccgggt	420
cctcagccgc	aggaactcga	catcagcatg	atgaataact	gggacgatcc	agaaggggta	480
ctataa						486

<210> 8837

<211> 525

<212> DNA

<213> *A.fumigatus*

<400> 8837

tccccatggt	cttcgactgc	taactctttc	cttgactctc	atcttcaggt	tcgcgccgtg	60
gcctatccga	atccaaatgt	agtaatttcg	gcttctcgag	atgcgaccgt	tcggttgtgg	120
aagctggtat	ctaccccgcc	gcctgtttat	gattccaccg	tatcctccca	cggctcggcc	180
ttcgtcaacg	ctgtggcata	ctaccacca	acatccgaat	ttcctgaagg	tctcgtactc	240
tctggcggcc	aggatacgat	aatagaagca	agacaaccgc	ggaaaactcc	agacgacaat	300
gctgacgcaa	tgtcctcggg	ccatggtcac	aacgtctgtg	cattggacgt	gtgccagag	360
ggaggctggg	taataagcgg	cagttgggac	tcgaccgcga	ggctgtggag	agtcggtaaa	420
tgggaatgtg	atgtggtcat	ggagggtcac	caaggcagtg	tctgggctgt	tctggcctat	480
gataaagaca	cggtcattac	cgggtgcgtc	atcgcttcca	gataa		525

<210> 8838

<211> 1035

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1007)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8838

ccaggctgtg	cgcacaagat	tatacgaatc	ttcaatacat	caggggatct	tgtcaggagc	60
attaaagatt	ctcgtgatgt	cgtagagct	ctgtgtaagc	ttcctgcttc	acatccctca	120
ggcgcacact	tcgcttccgc	aagcaatgac	ggaatcattc	gattgtttac	cttacaaggg	180
gagctgattt	ccgagcttct	tggctacgag	agcttcatat	attctttgga	tgtcttgccg	240
acaggcgagc	tggtcagttc	cggagaagat	cgaacagtaa	ggatatggaa	tggcacacag	300
tgtgtgcaga	caattaccca	ccccgcaatc	tcagtgtggg	gcgttgctgc	ctgtagagag	360
aatggcgata	ttgttacggg	tgccagtgac	cgtgtcacac	ggatcttcag	ccgaaacgaa	420
gagcgagtgg	caagcccggg	ggtggttcag	cagtttgata	aagccgtcaa	ggaatccgca	480
atacctgaac	agcaagtcgg	aaagatcaac	aaagagaagc	ttccaggccc	tgaatttctt	540
aaacagaagt	ccggcacgaa	ggaaggtcag	gtacagatgg	ttcgccaagc	agatggtagc	600
gttacagccc	acacgtgggt	cgtgcttcg	caagaatgga	ttgctgtcgg	tacggttgtt	660

gattctgctg	ccagcagtgg	gaggaagatc	gcataatg	gacaagatta	cgactatgtc	720
ttcgacgtgg	atgtcgagga	tgggaagcct	cccctcaagc	ttccatacaa	tatttcgcag	780
aaccctgacg	aagcggccac	gaaatttatc	caagataacg	agctgcctat	gagttaccta	840
gaccaagtgc	cgcagttcat	cgtccagaac	acacagggca	caacccttgg	acaacctgtt	900
caagaacctg	cgcccaccgg	cgccgatccc	tggggccagg	agaggcgta	tcgccctgga	960
gatgccatag	cgacagcgg	agaccctacg	cctgctgtct	acacgcncga	cggtcggaag	1020
gacacatctt	ggtat					1035

<210> 8839
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 8839	
ggcctgagtg	aaaatgcctc
ttacctctcc	tctacttctc
acaaacatgc	tcctctcgtc
tga	

<210> 8840
 <211> 1176
 <212> DNA
 <213> A.fumigatus

<400> 8840	
ttgcgcggac	ccttccaccc
gatctattac	ctatgatgag
cgteccgtgc	gggctccggt
cagttcgtct	ggctctcaaa
cgagtggatc	acttttttga
gagctcaaac	acgcaacttt
tccgttttct	tcaagcagag
acttctctgc	tgctgtcatt
cctcaggatg	tggcctatgt
aacataatat	ttcacagctc
ggcctcatcc	aggatcttca
ggcacgtcgc	tgteaggtgg
cgatcatcca	cattgtctct
ttggtttatg	acaagtgttt
acgcacctgc	cggtctgccct
gcttccgtga	ttaaaacggc
ctcgtcgaag	agtcagaaca
tcttctaccg	aatcagaagc
acaagtgcga	ttgtcaaaga
tttataccag	ctgagccacg

<210> 8841
 <211> 1176
 <212> DNA
 <213> A.fumigatus

<400> 8841	
acctcgtcga	agagtcagaa
ggctcttctac	cgaatcagaa
agacaagtgc	cattgtcaaa
agttttatacc	agctgagcca

atgctgttgt	ttgggggag	ctcgtatgca	atggccatga	tgctggcaac	tgtcacgggtg	300
caatttgc	acttttcaat	cacatactgg	ctgtctat	ggacaagcgc	gtatgagaaa	360
tacgaccatc	ctaactcact	gttctaccta	gccgtgtatg	cagctgcgat	agtatccttt	420
ctgctccttc	aaatcacgaa	taatcttcta	tatcaacacg	ggagctggac	ggccgccaag	480
aagatgcaca	ggaaactgg	ggaagcagtg	ctctccgcgc	cgatctcttg	gttcgacgag	540
aatcctatcg	gacgtgctat	aaaccgcctt	ggaaatgaca	ccaggtcaat	ggatactgtt	600
ttgattgatt	ggctgcgc	gtccattgaa	aatggactac	gcttcttgct	gagaatagcg	660
agtatcgct	cgatcatgcc	gatttttgcg	ctcccagcgc	ctgtggtttg	cacgataggc	720
tttctgattg	gggagatgta	cactcggggc	cagatttctga	tcaagagatt	atgctccatc	780
aactactctc	ccatattctc	ccatttcacc	gattccctgg	ctggcatgac	tgtcatccga	840
gcccagagaag	gcatgacggg	ggttttccag	aggctgttag	cggaaaagct	tgcagttcat	900
gctcgttccg	cagaggccca	gtacaactgc	aaccgttggg	tttccgtccg	atcggattta	960
tgccgcagcgt	cggtcgcagc	atcggcggga	tgcgtagcgt	atttctggtc	gggggtccgcg	1020
ggcctcgttg	gattctcatt	gactaacgcc	atcggcctta	gtcagaccat	tctaacgttg	1080
gtccgcacca	tgaacgacct	tgaagtccaa	ctgaactcgt	ttccaacgaa	taagccgaat	1140
acgccgaaat	ccaacctgaa	agaagaaacc	gaatga			1176

<210> 8842

<211> 204

<212> DNA

<213> A.fumigatus

<400> 8842

agttagatcg	ccagcgggaa	gctgctgaag	atcctggatg	aggccactgg	cttcaatgac	60
ggtattgtac	cgggcctcgt	caaacgagct	gtgaaatatt	atgttctgtc	gaatggatc	120
attctgcagc	catggcgact	gtggtacata	ggccacatcc	tgagggcagg	tagcagttcc	180
cgactcaagt	acagtctcac	ctaa				204

<210> 8843

<211> 723

<212> DNA

<213> A.fumigatus

<400> 8843

aaacgggtgg	gcaattcagg	gcattattcc	cgaaggctgg	gtagacggaa	ggttagtaca	60
tctcacattc	ctgctcctca	aaagacatcc	aagctaacat	cttatggaca	cagctccctc	120
cgcgagggtc	cagaccacca	agaactcttc	ctctccccga	ccacactctc	aagcttcatt	180
gtcgaagtca	accagcgcgt	cacacaagag	caggcactat	caacgctaga	cgcgagggcc	240
gccgtccccc	gcggcattcc	cgccaccac	gagacaatcg	acaaagcagc	agtcagtac	300
cacctgcgtg	acctgtgcga	cgaagacgac	acactgcagg	tgatcatccc	cgcgacagcg	360
gtaacccccg	ccaagatccc	cgctctgcg	cgcgcgcatg	cgtacaaggg	cgtcgtgcag	420
atgacgacgc	cgaagcggca	gcgaggggat	accaatacgg	ggaggattcc	tgtttcgggt	480
gggggtgcgg	cggcgggggt	tagtgccggac	gggcccgcaga	cgtcgcgggt	gacggtgc	540
tatctgcttg	tgcggttgga	ggcgcaagag	tcggatctcc	ttatattctt	taatgtcccg	600
cacgatgagt	ttgatttgtc	gggggatccg	cggggtttgt	ctaaggagga	ggaggtggct	660
actgaggcta	ttgatcgctt	ggtgcagact	ttggaaatta	gggactgggc	attgtttgct	720
tag						723

<210> 8844

<211> 330

<212> DNA

<213> A.fumigatus

<400> 8844

acagggatgc	atctttgtct	aaaattgatt	ccatgtgcaa	agacatcatt	gaagtccaca	60
ttcactaacc	tgaggtcaga	tgggctgcac	caggattcag	ctacttcag	agaatctggt	120

acatcaagca	caagacttga	gaagtctcag	tatcggctta	gagaagatgt	cgaaggcctg	180
gaagacaacg	ccctcgaagt	gtactatcct	ctacaaaccg	gggacgagtc	agattgtggc	240
cgctactggc	tggttcacaa	gcctgggtat	ggaggatact	cgaccatatg	gctagctcgt	300
gacctgcaaa	gggccagata	ttgggagtga				330

<210> 8845

<211> 639

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (170)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8845

acctttcgaa	aggggattga	agtcacttgc	tgcttgagtt	tattgaagtc	tggccacggt	60
attgacttcg	acaactctgc	catgcgtctt	ccatacgtct	ttgattcccc	ccctaccagc	120
actcccgaag	aggcggagat	ccttgctcgt	gtcaaagcca	gacgtgcccn	tggggacctc	180
ttaccacttg	atcgtgcact	tctgcactcg	tttctgtgtg	cagatggatg	gaattcattc	240
attggggcaa	tacgaacaaa	aactaccttg	tccacgataa	tcaagggaact	tatcatttgc	300
cgcgtggctg	ttctgaacgg	agcctggttt	gaatgggaac	aacacgcacc	tttattggaa	360
gaaggtggac	ttggtgacga	gggaatgcgt	gtgggttcgtg	acattcatgc	agatatattca	420
ctgaatatgg	aagaaaaggc	cctgagtcctg	gctgaaggag	ctgttctaaa	gtacacggac	480
gccatgacaa	agacagtcac	tggtcccgac	gaagtgttcc	aggagctgaa	gggatttttc	540
aatgagaggg	aaattgtcga	gataacgaca	acagtggcag	cgtacaattg	tgtcagccga	600
tttcttgcgt	ccttgaatgt	tggggagaag	aacccttaa			639

<210> 8846

<211> 225

<212> DNA

<213> A.fumigatus

<400> 8846

tgtgagagga	atgccacgcg	gagctgcaat	actgatttcc	attccctaag	ctttgcagaa	60
tctccgagtc	tgtccagcag	taagtttgat	tacttcaagt	atcttctaga	cgttcatgaa	120
atcttccgtg	ttcatatcgc	cagccttcaa	catgtgagta	tcaagtgtat	gaccaacggc	180
tttggctctg	ctctccagct	taggctgacc	agctccaaat	tgtga		225

<210> 8847

<211> 471

<212> DNA

<213> A.fumigatus

<400> 8847

gggtgcacca	tgacttgtca	ggataggccg	tattcaagag	atccacataa	cgatatccgc	60
ataacgttat	actocaaact	taactggaag	cataacgatg	cacattccat	caattgtcca	120
caatataaat	acactctttc	ggcttctccg	ctgatcttca	actacagact	caggaaaaag	180
agatcattac	ctaaatatcc	agaaaccatc	atgccttccg	gattcgccag	caacaacctt	240
tattgggaga	cagaggcacc	tctgcaaaaag	ggcaaaccca	ccgttctttt	catccatgct	300
tcatggatgt	catcggtat	gtgggaagag	accatccagc	ttctcgcacc	acagttgcca	360
gaggtcaacc	tcctccgcgt	cgacttgaat	ggccacggga	agaccactgc	cggccgcaag	420
gaatataccc	tctggaacca	agctgaggat	gtccttactc	tcttggtatg	a	471

<210> 8848

<211> 624

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (323)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8848

gggattcgca	aaaccgatac	agccaatagc	acagctaata	tcccacagag	agagcttgaa	60
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ctactcgacc	aagctagatt	ctcaggcctc	gtcctccttg	cctccaacgc	atcagaggcg	180
accaacgctc	aacgtgatgc	cttctaccag	cttcgcgata	tctgggttgc	gacacctgct	240
cccagcgagc	agatcatgaa	cgccgcgatc	ctcagctggg	gcggaatcc	tgatgtcgag	300
ggaccgcgtg	cgactcgtat	canacaagac	tggattcagc	gtcattcagg	cgctgagaat	360
gtggagccta	cactgacctc	gatgatggaa	agagatgcgg	tgcttaatcg	actaggggaa	420
tttcgtgtgc	cggttctcct	gattcatggg	gaggatgata	aaacgtatcc	gctgcaggat	480
gccgtggaga	ttaaagaacg	gcttggttaac	gcagatgtgc	gcttggaggt	tgtcaaggac	540
gagggtcatc	tggttgattca	cttgaggag	gctaaggatg	tggtctgaatg	gatccagggt	600
tttgtagaca	aggtccttaa	atga				624

<210> 8849

<211> 198

<212> DNA

<213> A.fumigatus

<400> 8849

aacgatcaat	tgaactggct	tggagcggag	actgattata	cgggcccaaa	ctggggcatc	60
ggtttcgcaa	aagctaaaac	cattgtgtta	gcctcgccag	actaccaggt	catccatggg	120
cagccgctct	ttggagaatg	gccagaatgc	agtccaagca	atccagtcct	cggaggccac	180
caagggtctc	ctgtctag					198

<210> 8850

<211> 675

<212> DNA

<213> A.fumigatus

<400> 8850

cctcgccaga	ctaccaggtc	atccatgggc	agccgctctt	tggagaatgg	ccagaatgca	60
gtccaagcaa	tccagtcctc	ggaggccacc	aagggtctct	tgtctagcgt	gcagctcgac	120
gtcacagacc	ctacctcaac	tgcattctgc	gcaaagcaaa	ttgaagcgca	gttcggccgt	180
gtcgacgtcc	tgggtcaataa	tgccggtgtc	ttctcacaat	cccacgtaac	caaaacggga	240
atggaggaga	cctttgcggt	caactctatc	gggcctgcac	tgggtgtccga	ggtctgtaat	300
cccttattga	tgaagtcagc	tcgcccgtac	tcgattttca	tctctagtat	tctgggttcg	360
ttgtccgagg	cggctgatcc	ctcgtcttcg	gtgcattatt	atgacggcgt	cgcgtatcgg	420
atgagtaagg	ctgctctgga	tacgtttggt	gtacagcagc	ataagcagtt	tagccccaag	480
gggattaggg	tttttgcgtg	gtgcccgggg	ttggtgaggt	caaactctgag	agggaagagt	540
gaggaagatg	tgtccgcggg	agggaggggc	ggcgatccca	tggttccagc	ggagatgata	600
ctggggataa	ttcaggggaa	gcgagatgct	gatgcaggga	agttttttgcg	tgggtgacatg	660
gtgttgaaatt	ggtga					675

<210> 8851

<211> 306

<212> DNA

<213> A.fumigatus

<400> 8851

tcagacattg	acagatcagg	ctggagtggt	ctcgcggcca	tcaagaccta	tctccagggtc	60
aaccggtcca	gcaaggtgat	gcttctggag	gcgccctcgt	ccattggcgg	cgtgtggggcc	120
aagcatcggc	tgtacaaagg	cctcaagtcc	aacaacatgc	tgggcaccta	cgagttcagc	180
gactttccca	tggaccccg	cacgtttggc	gtccagccgg	gccagcatat	ccccggccat	240
gtcatccagc	agtacctgga	accaattggc	ggaacttttc	aggttcccgg	aacgcattcg	300
gggttaa						306

<210> 8852

<211> 1863

<212> DNA

<213> A.fumigatus

<400> 8852

agacatcgga	atgcatttgc	gttggcagtt	tccataacctg	ccatagccat	tcaagcagag	60
atagttcttc	aagcagagac	acctccagtc	cctcaggcag	agccgattgc	agtgactgag	120
ttgcctttac	ctcctgtggc	ccccagcaac	cacagcggcg	cctgtacaaa	gagcatcaac	180
ccacatggga	ctggttgcat	aggaattacc	tccgacacct	tccaagccgg	cgatttttacg	240
cccgacggga	accacgttct	tgcgaatgtc	gaatttggtg	gtgcgccaac	ggccccggac	300
cgcgccagcg	tttacactgg	ccagcaattg	attgctgtca	aggttgatgg	gtcactcttc	360
cctaattggg	atccatggaa	gtgcctcagc	tgtggcgctc	ctgcagggca	agcacaagc	420
cttgatcccg	caagggatta	ccctcatgct	gctcgaaatg	gccgccaagc	tttatggggc	480
cacaacatac	tgcactgtgg	tgatgtctc	ctcgtgagcg	atgaatgtac	tccaaacaaa	540
acacatgtct	atcccattta	ctggtccagt	ggaagtatgc	gagagtgtcg	gatgcacccg	600
gatgatgtcc	acatgggttg	gagctctttc	accaaaggag	gccagaacgc	cttctttggg	660
cgtttgctgt	tcaacccaaa	cccaacgacc	ggaagtctct	tcgttcctcg	gtatgaattg	720
atagatgtga	acattctggt	cgatccaaac	ggcgcgccct	cgatcatggc	ggagggcacg	780
cagcttagat	tacatgacga	ggcaattggt	gttggcgagc	tgcgcggcct	tagtggcgct	840
ggggacgaga	ttctctacat	tggcccgcact	agagaggcga	acaatgtgga	cctcttcgca	900
gtgcatgtca	catccgggtg	tgtccgctcg	ttgactagcc	acccggagta	cgcagatccc	960
attgcctttt	ctcatgacaa	tcaatggttc	gtgggtcatgg	ataccggggg	atccaaccgc	1020
cagatgtgga	tgtcaggcat	gcgatatgtg	cccccgctga	tcgacctggt	caccatgaca	1080
gcagcttggt	ctaccggtaa	caacgggtgct	cgtcgcttct	tccagccaat	tttggttgat	1140
agatatggag	atcgaggatc	atactttggc	caacagggtca	acgctgctgg	taacggcaca	1200
agcggcagtg	tcaacgatcc	caattggaac	gggcgcgcag	accctgcatt	ctctccggat	1260
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cggaccggcc	ccgggggggt	ccaattatct	attgatgcta	tgcagaatat	tttcgaggca	1800
aatggcacgc	tgacaactac	ggtaggtgga	gttgtctatt	tgcagccggc	aaatgggaca	1860
tga						1863

<210> 8853

<211> 186

<212> DNA

<213> A.fumigatus

<400> 8853

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ctcgaaatgg	ccgccaagct	ttatggggcc	acaacatact	cgactgtggt	gatgctctcc	180

tcgtga

186

<210> 8854

<211> 483

<212> DNA

<213> *A.fumigatus*

<400> 8854

cgagtctcta	taaccattgg	tattctggtc	agttattgga	tcaactatgg	cacaaactac	60
atcggagggt	ctcgctgcgc	cccggatgct	cctttcagca	atgggtccaa	atttgatccc	120
tatcgcgatg	tgccatcggg	cggctgtgac	ggacagtctg	atgcgtcctg	gagactaccc	180
ttggctcttc	agatcctccc	agccatgac	ctcgggctgg	gcattgttatt	cttcctgaa	240
actccgcggt	ggctaattgat	gaaggagcga	tacgacgacg	cgttgagggtc	actgtccaaa	300
ctgagacgaa	aagccaggga	ctgtccggaa	cttgtaaatg	aatacctgga	aatcaaagct	360
tcaatcttgt	tggagaacac	ccttgccgca	gaacattttc	cgaacatgtc	tggccttcga	420
ttgcatgccg	ctcagggtggg	tgttcttaat	cagagctctt	ccgtttcgga	gcagttttac	480
tga						483

<210> 8855

<211> 276

<212> DNA

<213> *A.fumigatus*

<400> 8855

acctcactcc	tcgctaccgg	cgtctacgga	attgtcaact	gcctcagcac	cctgccagca	60
ctcttcttga	tcgataaagt	tggccgctcg	cctttgttga	tgtttggggc	cacgggtacc	120
tgtatttccc	tggccattgt	gggtggcatt	atcggcgctc	atggatcaga	cttgggtcaat	180
cacaaatccg	ctgggtgggg	ggggattgcc	tttatataca	tctacgatat	caacttttca	240
tactctttcg	gtctgtgccc	tcgtctcgtc	atgtag			276

<210> 8856

<211> 675

<212> DNA

<213> *A.fumigatus*

<400> 8856

aacaagatca	gcactcttga	ggtaatcgac	tgtacggcca	gaatgattgg	gaggactatg	60
gacaatactc	ccaggggggg	gttttccttc	atctaccaga	acccctatct	tctgggagtt	120
gcatcagtaa	gcccactttc	tatagggaag	ggcggccaga	gctatcctga	ctattatcta	180
cagttctcaa	cccttggtgg	cttgcctctt	ggctatgac	aagggtgtat	atcgggggtt	240
attacgatgg	agtcggtcgg	agcccgtctc	ccacatatct	acacagatag	cagcttcaaa	300
ggatggttcg	tgtctacgct	tcttctcggg	acgggtgaacg	tcctgatctt	cccctccaag	360
aacaatactg	acgccctatt	agctgcctgg	tttggctctc	tcataacagg	acccattgcc	420
gatagacttg	gacgcaagct	atcaatcaac	ctagcagttg	tagtctttgt	cattggttca	480
gccatccaat	gcggcgcagt	aacaatcccc	atgctctttg	ccggtatgtt	tcaccatttg	540
caagacacgt	caaggtatct	gacgccttgt	aggagagct	atcgcagggtc	tggcggttgg	600
tcagttgacc	atgggtggtgc	ccttggtacat	ctcagaggta	tgcaccctca	tctgacagag	660
gaaggagaag	aataa					675

<210> 8857

<211> 273

<212> DNA

<213> *A.fumigatus*

<400> 8857

aggacgtatg	gtaatgcctg	gatattaagc	cgtgtccatc	aatcaaccca	gagcgaaacg	60
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<210> 8858
<211> 201
<212> DNA
<213> A.fumigatus
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<210> 8859
<211> 321
<212> DNA
<213> A.fumigatus
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<210> 8860
<211> 405
<212> DNA
<213> A.fumigatus
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<210> 8861
<211> 357
<212> DNA
<213> A.fumigatus
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<400> 8861							
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cataaatccc	tcatctacac	aatgtctttc	tcaaattcttg	tgtcggatct	tgcttttagg		120
gatgcttatg	atgatcgag	ctctcaaata	tcccattcac	ggctctcaggc	caccgctcgg		180
tcatacacaa	gcacagctgc	tacaagtgtc	agtattttcg	gagacatttc	aagccagctg		240
catgccggat	atagccatcc	tttgacgaga	tcatggccaag	ctgaagatta	attgaccaag		300
gttcgtggcg	tcagaatcgt	cagtcaaatt	atccacgctt	tgaagactac	cacataag		357

<210> 8862
 <211> 930
 <212> DNA
 <213> A.fumigatus

<400> 8862
 ttgggctctt ttctgatttc aatgcaggaa atgctcatct acccattatt catcacccgac 60
 aatcccgatg aagagacacc aataccatca ctgcctaacc agcatcgccg atgtttgaac 120
 cgcttctgtc ctttcctcag gccacttgtt caaaagggac tgcggtcggg tattttgttt 180
 ggggttccac tacacccgac cgcaaaggat gccctgggta ctgctgcgga tgatccttcg 240
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 aaactaaagt tgattgaagc aggccttagcc catcgcgctt tcttgatgtc ctacagcgca 540
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 cagcgagatg tgggtgaagg tgcagacatc ataattggtga agcctgcaag tagttatctg 720
 gatatcatca gggatgcaaa ggaacttgca aaggatatgc caattgcagc gtaccaggtc 780
 agtgggtgagt atgctatgat ccatgccgct gccaaaggctg ggggtgttga tttgaaatcg 840
 atgggtgtttg aaagtacaga agggattctc agagccggcg ctggaatcat tgtgagttat 900
 tttgtaccgg aattcttaga ctggctttag 930

<210> 8863
 <211> 693
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (295)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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 cctttcgata ttcaccttgt agaggagcgc gagcgatgca aagcagccat ctggcgggtc 180
 aacaatgctt gtaatcctgt ttcgggcttg agtgcgagg aacagaatcg cctgctgaag 240
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 cccgccggat ttattgggca aggcgctgtt gttgagtcac cttttcaatg ccactatggg 360
 ttcaacattc acattgggtg ggacgttatg atatcagaga attgtctctt cgtggatgac 420
 tgtcctatca ctatcggtgc tcatacatgg ataggtcctc gagtcactat tctcagttct 480
 atggcccatg caaacatgca agaacggaag ggctctcaaa gccgctacca aggccgtccc 540
 gtcacgattg aggaggactg ttacgtcggc gctggttgca ctatatatcc cgggtgtccg 600
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 ggttttcagg gtctaaagcc aagctacatg tga 693

<210> 8864
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 8864
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 tggttatgca agtgcgctct atgtattatg aattataaac tactatacca gtacagagta 180

tcgtga

186

<210> 8865

<211> 237

<212> DNA

<213> *A.fumigatus*

<400> 8865

acatcgtcga	gccgtttctcc	gattgccctc	gcggattgtc	attaccatta	ctactatctg	60
tcaaatatcc	tccactccgt	cggagttacc	aacaaaccaa	ctctgagcga	caccaagcgg	120
gtccctaaac	gtggtttcac	tttcgtactc	tactttctct	tgtcttcgat	actaattatc	180
tgccaattaa	tcgatctatc	cactttccag	ctactccgcc	caccttttga	ccgctaa	237

<210> 8866

<211> 222

<212> DNA

<213> *A.fumigatus*

<400> 8866

gagtactctc	attattactc	atcttattca	tctttgagct	gttcatctac	aattctgact	60
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gtggcccttc	aagtgttggc	cctcatcctg	tccaactcaa	acattttgct	tgtgcctgtt	180
ccttttttgg	cttttttttt	caaaattttc	cttttgattt	ga		222

<210> 8867

<211> 315

<212> DNA

<213> *A.fumigatus*

<400> 8867

aagcccaacc	catgctcaga	atcctcggcg	ttatatataa	tagtcgctga	caccaccatg	60
gcctactgct	atttggtttc	ccccagtcg	cttgtggcca	tggtccctta	tattcaacta	120
tcatggcact	actgtctaag	tgctggctta	ttaattacct	atacctcatt	taccttgagg	180
agaggagcca	tttttagctt	ttccttagac	catcttgttt	actctaactc	tataattgac	240
cctgttaaag	cactcttttt	tttttttttt	tttttttggc	aacctcattt	tgtttgtacc	300
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<210> 8868

<211> 438

<212> DNA

<213> *A.fumigatus*

<400> 8868

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aggtgcaggt	tgtctccatc	aggattctcc	tcctgctcgc	cgcccgatca	tttgcgcac	180
catccgagta	cctcaaaactc	cacctggacg	tcctctcttc	tgccatcgac	gcctcgctcg	240
actcccccta	tgacgaggga	acccatctta	tcgaccgaga	atggcgctgg	caactctggt	300
ctttcatctg	cttgttggac	tggacctccc	ccggcatcta	ccacaccagc	agctacttca	360
tcgggccaga	gatgcaccgc	ggcccaacct	ccaaggctcc	tggcctccca	gaccacggga	420
gctacccttc	tgccatag					438

<210> 8869

<211> 1320

<212> DNA

<213> *A.fumigatus*

<400> 8869

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cacctcgaca tcaagggttc catgatacta gcctgtgcca gtctcgcggc cgtggacctg 180
gatccccgga aagcgcagga gctggggctc gccaataccg acattgacgc cctggtcggc 240
gatctatgga aaggctcgcg gacactgata tcgcgttcgg acctagacct gtcctctccc 300
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gagggaaccc atcttatcga ccgagaatgg cgctggcaac tctggctctt catctgcttg 600
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caccgcggcc cactctccaa ggtccctggc ctcccagacc acgggagcta cccctctgcc 720
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gccctggccc acctctcccg ccgcgcggag gactgcacgc tccgtcctgg tccggtatct 840
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taccaattgc tcggcagcac ggcccagat ggccggcactt tcagtaccgg cggtagaccg 960
gtcgatgcaa cctccatcac tggggaccta gccaccgaca aagccagcac cgagcaccgg 1020
cgcttcttgg cgcgcgcccc cgtgattcaa agcatgcacc tgagcctaga gtcgggcctc 1080
atccgcttca agctcttccg ccacgaggtc ttccacctca tgcaggcgcc aagcacctca 1140
gggaccttgc gcatgatctg catggacgcc tgcattggag cctgtatcct cgtcctcgcg 1200
cagtgtgga gtatcggtaa ccgcgacgtg cccggtgtcc aggcgcaggc gcaggcgag 1260
tcgcagatgt cgcttgacct gagcgaggag gtcttcacca cggggatgga aggatcagcg 1320

```

<210> 8870

<211> 264

<212> DNA

<213> A.fumigatus

<400> 8870

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gctcaactcc gagtccacgg cccccatgca tcggtatata ctactttcaa ttattcgcat 60
ccccttgccct ctaacactgg agtcacaacg ttctttgaca ttagtgaagc gctgtttccg 120
ccgcagttct gtactaagtt caacattata cagtcgattg gggccaacta cattctagca 180
gacgaagcat atgagcgaca gcatctccag ccaatccttg cagcatcggt gaccatcggc 240
atgcagatct gcatagcacc tttag

```

<210> 8871

<211> 357

<212> DNA

<213> A.fumigatus

<400> 8871

```

caggcgcatc atccgctcca cgtcatgcga ggcaagaata cgggcaagca gcgccgatcc 60
atcaagaagc aacagactgt cgcagaactc aagcaccttt tcgatgctcc aggacgtgga 120
tctgtgatgc cgcgtcaggt gctctggggc gacctgtgtc tgactgcatt cccccatgag 180
ctcaactccg agtccacggc ccccatgcat cggtatatac tactttcaat tattcgcatc 240
cccttgcttc taacactgga gtcacaacgt tctttgacat tagtgaagcg ctgtttccgc 300
cgcagttctg tactaagttc aacattatac agtcgattgg ggtcaactac attctag 357

```

<210> 8872

<211> 291

<212> DNA

<213> A.fumigatus

<400> 8872

tcttgggggg	attcggcggg	aggagtctac	tccttgaatg	ggccccaag	tattatggcg	60
gcaaactgca	caataacaag	gacattccca	ttcccagagt	ggcgactacc	accagcattg	120
ttcggcggta	tcgccttcac	catgggctgg	ttctggtagc	gctggacagg	gtggacacgc	180
tcgatccact	ggatggcacc	cacggcttct	ggggtattca	ccggattcgg	aatttatgtc	240
atcttcctgc	agtgccttaa	ctatctgata	gactcgtacc	tgcaattgtg	a	291

<210> 8873

<211> 249

<212> DNA

<213> A.fumigatus

<400> 8873

tgtgtaccca	gtgcggcacc	ggttttcgct	gccaacacca	tccttcgata	agctgtcggc	60
gctggtttcc	cactcttttc	tcgccagctc	tttacgaacc	tcggagtgc	atgggcagga	120
acgttattgg	gatgcttggc	gctcattatg	attccaatc	cgctggcttt	tatcaagttt	180
ggccccaggc	taaggcggcg	gagcaggttt	gctccatcgc	cagttgtgtt	tgaagagaaa	240
tcgggttag						249

<210> 8874

<211> 435

<212> DNA

<213> A.fumigatus

<400> 8874

agctttggca	gtcatgatac	tttttttggt	gctcctctat	tctcaggcgc	tgatgacaca	60
ttttcagata	ctgaacgctc	agcatataca	cagaaagtcg	attttgctaa	actccgctca	120
gagctgctaa	acgcagattc	gaccgaagcg	cagttgacta	gatcatccca	cgaaaagatt	180
gctgcggatc	ttgcgaaact	caactcgcga	ctgcgggacg	agattggacg	aacccaagcc	240
tctgttcgcc	ttgatttgaa	ccttgaaaaa	ggacgtatcc	gagaagaagc	gaacggccaa	300
gagatgcgca	tcaaggagac	tgaaacacga	atcgagcaag	aagttgcagg	gctgcgagag	360
cgcggtgagg	ctgtgaagtt	ctcgaccttg	caatggctta	tgtatggctc	ctttgctaca	420
tttgctcaaa	tctga					435

<210> 8875

<211> 1923

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (120)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8875

attttcccca	acaaggccag	ggggtcacca	ttaatgggaa	tcttaacaaa	acaggggggc	60
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gggtggtatc	caggggccat	tcgttggtat	gctttcccat	tctccgaaca	ctcaatagca	180
ttgcagatcg	gactaccatt	gcaaagtcag	ccgaaactga	acaaggagac	tcgtttggcc	240
gagctgctct	tttccaagga	gcatgtgggg	tgcttggctc	agatcattgg	gcaagattat	300
acatcttata	aggcacaggc	ttccattgaa	ctggctgcat	cgttgattgg	gaagttatgc	360
accgaggagg	cccacaagac	tgtcctggct	gactcggggg	tgttggatgc	tcttgctgtc	420
aaggtcgect	cgtttgctgt	cgcccagggg	ttcgttcttc	ctggcgcaga	agagcatgtc	480
caggagccgg	gcgcattggg	gtctttgccc	cctccagcac	ctcccagtcg	caagctcgct	540
ccaatcctcc	gtgcggtcac	ggtgatcctc	gagcactcca	agtggcgagc	cgaacatttc	600
ctttcgtcgc	caggtattgt	gactgttttc	cccaggcagt	taccgcaatt	cgctccctcg	660
gacatcaaaa	agggccctcg	gggggtcaaca	tatttctccg	gttctgcccgt	cccccgacat	720

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gccgggatta gccccettga gagtctgctg ccatcggttc cattatccac cccgacggca 780
cgggcgaatg catccaattt cccaccttta ggtcaccaag gggcacgccg tcgccaagc 840
cactcgttcc ccacctcctt ctgcgttttt gagtccacat cttctgacga cgacgagaat 900
tgcatgtgcc cctggctact gaacatgggt cgcgcggaga acggcatggt tcgcttgatg 960
gcagctcgcc tcatcacagt ccttttccgt cttggcctgg caaagaaaca tcgctctcc 1020
ctgctctcct atctgttgat cccgatcctt atccgaatgc tcgacaaaga ctatgaaata 1080
ccaggcgata acagtgtcga gtacggtggt ttgattcctg ccaccacgca tgtaaaggag 1140
gaagctcctg cagtactggc aactctcgtg attgatgac aggaattgca aaaacacgcc 1200
gtcgtgggtg gcgcgatcaa gcgattatcg caattgctga aggagaccta caatccgatt 1260
cacgagaata ccaagccaat gtggcaccca gacgcgcgacg aatctgctcc aaattctgat 1320
acgcagccac tagaatgtag acttggacca cgggggttct cgccgactca ttgtcatgtc 1380
atgcgatatc gggagaatat cttgaaggct cttgcggctc ttgttccttt caaggatgaa 1440
tatcgcaagc tcgtgtgtga gaacggagtg gtgccatata tcatcgactc tctcaagcct 1500
tgccctgacg agctgccagt ggacccatcg acgcccaga acactgccac ggtaggcaat 1560
cccactccga ctctcttggc cgcttgtggt gctgcgcgaa tgcttactcg ttctgtgagc 1620
gtcttgagaa caagtttgat tgatgctggt gttgcagctc ctctttttgt tctgatccgt 1680
catcccgaca tcgaggtgca aattgctgcg acgtctgtga tctgcaacct ggcattagac 1740
tttagtccca tgaaagaggt cagtccttat ccccttaagg atgttataga tttcgacttg 1800
caactgaccc aagtaggcaa ttatctcagc ggatattctc ccggtcctat gcgagcacgc 1860
gcactcgccg aacacaaaac ttctgtatcga gtcgttgtgg gcactgaaac atgtgtctta 1920
taa

```

```

<210> 8876
<211> 357
<212> DNA
<213> A.fumigatus

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```

<400> 8876
gtcttcaaag ttgaaaccta catttcatac cccaaggata acaggagccc cgagaaggcc 60
gttgttatatc tgagcgacat tttcggatc tatatcaacg cccagctgct tgccgacgaa 120
ttcgcttcca atggatacct cgctgttatt cccgatctct tccacaagga cgctatcaag 180
ctcagtgaca tggaatccgg aaaggctgat cttcccgcat ggcttcctaa gcatcagacc 240
cccaccgtcg accctgttgt cgagtctaca atcaagtacc tcagacagga cttgggagtc 300
aagagaatcg ctggtgtcgg ttactgcttc ggtggaaagg taagctccat gctttga 357

```

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<210> 8877
<211> 369
<212> DNA
<213> A.fumigatus

```

```

<400> 8877
agcccggtaa gatcgacgtc ggttacacag ctcatccctc ctttgtcacc aaggaggagc 60
tcgctgccat cgtcggctct ctttctatcg ctgcctccgg taagttggct cgcgaggatg 120
tgttgggtta atatcaagat catgactcac attgagaatt tgtagaaat cgacaacatc 180
ttcaccactc agctccgtca cgagtccgag gacattctga tcaagacggg tcagccttgg 240
cagatcaatc tgttcagcgg cgttacacat ggcttcgctg tccgtgctga ctttaagcaac 300
aagcacttca agttctgcaa ggagcaggcc ttctaccagg ctgttgctg gctccagcag 360
tatctatag
369

```

```

<210> 8878
<211> 417
<212> DNA
<213> A.fumigatus

```

```

<400> 8878
caattggagg ttgggatgcc ggaggcaagg tcttctccga catggtgtcg accgcggaaa 60

```

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atcgggctac attcattaag tccgtgggtcc agttttgcc aactcaggca ttcgacggga 120
ttgatatcga ctgggaatgt atgtgccctt actgctcgtt accggattgg tctcaccaca 180
gctctcatag accctgttgc cgacgatcgt ggtgggcgag cgggaagattt tgccaactac 240
gtcacccttg tcaaagagct cagggtccgcg gctggacggc ttgggatctc attgactctg 300
cctagcagct actggtatct caaaggggtt gacgtgggtc accttgaacc gtacgtcgat 360
tggttcaact tcatgagcta tgatatacat gggacctggg atggcaacaa tgcgtaa 417

```

<210> 8879

<211> 765

<212> DNA

<213> A.fumigatus

<400> 8879

```

cgggtcaagca gatacaccaa gcagggttga aatcctcaca caaacctgac cgagatatca 60
caaggccttg atcttttatg gaggaataac attcctcga agaaagtgt gcttgggtctt 120
ggcttctatg gccggtcctt tactctgtca gatccatcat gcaataactcc cggttgtccc 180
tttgcttctg gagegaatcc tggcgaatgc acaggtcagg ccggcattct ctctaataca 240
gagatcaaca gagtcatacg gacacacgac cttacaccag tcatggataa ggctgctggt 300
gtaaagtaca tcacctggga caataaccaa tgggtctcat atgacgacgc cgacaccctc 360
aagataaaga tggatttcgc aaacaagctc gggctgggcg gaactagtag gctgccccgt 420
tcaattttca ctgctgaaga cagaactgtt tctgactccc atgtagtggc ctgggcttta 480
gatctggaca acgcagactc ccaatctgca cagtatctca actcaggggg gaatatgacc 540
aacacgaatg gtttttagtat tgcaaagaag gcagccgata ctacgacggc agtggctgca 600
aaattggcgt tctggactcc ctgcatgaca gaaaaggagc gaaaggtctt gggctgccct 660
ggtaggttagt gtctatcctc accctgcgga tttaccgaca gcgctaaatt ctcattgctc 720
cgtagggtag caccagctgc tagtagggca tggaaagggt tatga 765

```

<210> 8880

<211> 333

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (271)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8880

```

agcaagatat gtgatcagcg ctgccctaag ggttacatct atctcactca aaatacgcac 60
ccagccggcg acaagaagga ctgtgcccat ggtacttaca tttcagtttg ttgcgaagat 120
atcgagacca ttgcgcaggt atgccccaat cagtactcca gcgacatcat cttctcgggt 180
agtttttcga atatgggagc agtggactcc tcgttctccc tgaagagcgc caccagcaaa 240
agaaacaacc ccaggctaac gaactttgtt nttgagaatg atccaacttt ttcctccgtg 300
gtccgattcc gaatattatt tccacacatt tga 333

```

<210> 8881

<211> 327

<212> DNA

<213> A.fumigatus

<400> 8881

```

actctcattc aggttttcat agcaattgga ggttgggatg ccggaggcaa ggtcttctcc 60
gacatgggtg cgaccgcgga aaatcgggct acattcatta agtccgtggc ccagttttgc 120
cagactcagg cattcgacgg gattgatatc gactgggaat gtatgtgcc ttactgctcg 180
ttaccggatt ggtctacca cagctctcat agaccctgtt gccgacgatc gtggtgggcg 240
agcggaagat tttgccaact acgtcacctt tgtcaaagag ctacaggtccg cggctggacg 300

```

gcttgggatac tcattgactc tgcctag

327

<210> 8882

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8882

tccttggtag	caccactcgc	ggatccttcc	agccccgtgg	tgaagactat	ccgctccatt	60
ggccttgcta	ctgcactgct	ggctttaagt	aacagcttcg	ccaatgctca	tggatcgcat	120
gcgagcgagc	agaacccttc	ctcagactgg	gcgactcgtc	atatgcaagg	tagctctcta	180
catcgtcgtc	attccattga	aaaccacat	tga			213

<210> 8883

<211> 243

<212> DNA

<213> A.fumigatus

<400> 8883

acggttacc	gatctcgat	tcgtcccga	caccatggcg	atattgaata	cgagtatgaa	60
atccatcatt	tcgagagatt	tcacggggag	gacgccaagt	tagaggatct	cacccatccg	120
gaagatatcg	agcatttccg	aagacatgat	gaggaagaag	atgccacgga	tagacttgaa	180
caactggaac	gaatgccgat	cgtcgaggcg	aacatcccgc	agaaatttct	cagacggtca	240
tag						243

<210> 8884

<211> 372

<212> DNA

<213> A.fumigatus

<400> 8884

aaaccacat	tgacaattta	cttgacagag	gaacaccaca	tcgattcctt	cgacgcagg	60
tctttcttca	ccctccatga	ctacgattcc	tccggcgctt	ggacccctga	tgaagtcgga	120
aagacatatg	gcatggacga	tgagtcaaat	tctgggggtga	ccgaggagcg	caagcaacag	180
gcgcttcgcg	aggtgtttgc	ccttttcgac	acagggagtt	caggggttat	cactcgcgac	240
aactggatgc	gtctcatctc	agccggtaaa	cggttaccgc	atctcggatt	cgtcccgac	300
accatggcga	tattgaatac	gagtatgaaa	tccatcattt	cgagagattt	cacggggagg	360
acgccaagtt	ag					372

<210> 8885

<211> 1383

<212> DNA

<213> A.fumigatus

<400> 8885

ggtagccagc	accggcccaa	gtggcaggac	aatatgcatt	ccgacgatcc	aacaggggat	60
cacacaccag	atgaacgtgt	caagaagcct	acaaccaca	agcggaacc	taaaagtcga	120
aacaagtgt	caaatccctt	ccgaaaaggc	atacagaatt	ttgtaacaag	acatatccc	180
tcagacgacc	tcgccaacaa	tggtatgtct	ttggagagcc	ttgaatcagc	ccttccgaaa	240
aggttcacag	tgtatgaaca	actgctgtcg	ctgcctgtga	acgcactcag	cgatcctcca	300
gcctggggct	cgctttatgc	aagcctagac	agccaaaagc	gaaggcttct	ccttgagtcg	360
attgctactg	cattcggggc	gatgggcgtt	acacgtattg	ccatgaatgc	gcccatcgcg	420
cctatgaaca	cgcagggagg	agagaacagg	atgcgcagcc	ccacgggact	gattcctctt	480
tatggagact	ttggcttggt	gccatttttg	ggacggcgag	aatgcgcagc	cgacgcagga	540
agacttccag	cgtgcgttct	gggtgcagac	tatgcagaat	caggggattg	tgcagatttg	600
ggccccgctg	tatacgatgt	tttctcgggg	ggaatatcac	agagaagccc	cggatttttg	660

gtcaaggaat	ctgctttgaa	gggcttgatg	aaggccctt	tggggaaaag	atcgacagca	720
ttaaccgtgg	ttgatctgta	tgcggggatt	ggatatttgt	tcttctcata	tctaaaaaga	780
ggggtgaaga	gggtctggg	atgggagatc	aacggatgg	cagtcgaggg	tttgagaaga	840
gggtgtacag	agaatggatg	ggggtgcaaa	gtggttggaa	ttgggaatga	tggaacattg	900
agtgaatcgg	tcccagatct	ggttgacagt	cttcaagatt	cagacaggg	ggtcttggtt	960
catggagaca	acaaattcgc	cgctcgcgtt	atgggcgaaa	tcaaagggca	catggagcgc	1020
cgagatgcat	ggaatagaat	tgcacatgtc	aacctaggcc	ttcttccgtc	ttccaggggt	1080
gcttggagt	acgcttgctc	aatgatcgat	ctacagttgg	gaggttggat	gcatgtgcat	1140
gaaaacgtgg	atgtgcaaca	tattgatg	aagaagcagg	aaatcatcac	tgagatcggc	1200
agattgagag	caatagcctt	cccaagtgt	gttcagcagc	ctattgaatg	ccgtcatatt	1260
gagaatgtca	agacatatgc	accaggcgtc	atgcattg	tcttcgacat	caagttgcct	1320
ccgtccggag	agacacctac	gggactcgag	ctgagtcggg	catcgaagca	gtctccatcc	1380
tga						1383

<210> 8886

<211> 207

<212> DNA

<213> A.fumigatus

<400> 8886

ttctcttta	tggagacttt	ggcttggtgc	ccattttggg	acggcgagaa	tgcgcagccg	60
acgcaggaag	acttccagcg	tgcgttctgg	gtgcagacta	tgcagaatca	ggggattgtg	120
cagatttggg	ccccgctgta	tacgatgttt	tctcgggggg	aatatcacag	agaagccccg	180
gattttgggt	caaggaatct	gctttga				207

<210> 8887

<211> 312

<212> DNA

<213> A.fumigatus

<400> 8887

ctaagtcatg	aagctttcga	ggaggcagaa	cgcagaccag	acaaccatca	tctcactact	60
acccctgatt	cgagtccaat	aagtcacaca	cctccagtga	cccgggatga	atttgaatac	120
tacaaccatg	aaatttactc	catatcgaat	aacaagccct	actgtcgcta	cgagtcgctg	180
aactcaaagc	cttcttcttc	ttctcgtcca	cctcaaaaat	gtctgtccaa	gaccagccta	240
cttactggta	ccgagttgaa	ctccttcact	tggccttcag	ccatcagatc	gcaaggggta	300
cagcgatttt	ga					312

<210> 8888

<211> 183

<212> DNA

<213> A.fumigatus

<400> 8888

ccacatccac	tcaccgacaa	gtcccggatc	tcccaatcca	atggccgcga	acgcccctat	60
tcctctagaa	ccgtgtccgg	aatcattcct	tctacgtcca	ttctggctca	tgagatgtat	120
ttaccagacc	atcgctcatc	cgcgaggggg	ttatttatct	acgaagttat	tcgtgccccca	180
tga						183

<210> 8889

<211> 1485

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7),(8),(37)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8889

atgctgnncg	tgaggetgca	tacaatgaag	gcctggnaac	cagcggtaga	ggtggacggt	60
tacgatacag	acgatgagaa	tgtagcgaac	gcttcgcaga	acgttgaatt	ggcaaaacag	120
agagtagggg	aagcggaaaag	aagaaacgaa	gtagcaatta	ccccgggcta	caatcttcac	180
caagtaccgg	agcagacgag	gctcgaccat	tcaagtgatt	tgatccagga	ttatcctgac	240
gatgaagccg	aagaagagga	gcgattgttg	gatgagatga	ccagtggcta	cgatcatggat	300
gatttcgcat	ttgatcttca	gtcaaaatct	gctcttccgc	accagtcagg	ttcaagcggtg	360
ttatcctcta	ggacctggga	gaactcggtt	gtccctattt	cagctacagc	aacacccggc	420
gtgactttgg	ctccgctgga	ggaagatgag	gttggtgtag	aggatcaatc	agaaaaatct	480
cagagcgcac	ttactccatt	ggagttcaac	ctagcttcct	cacctcatgt	tccttcctgt	540
ccgccccaaac	agtcttctgt	gctaacagcg	agtccaagcg	tgcgagcacg	acgaatgtca	600
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catccatcag	ccgtgcatct	caaccgaagg	aatgcttcaa	ttgcgtcact	ggctgaagat	840
ggttccacca	ttgaagtact	agagaaagtt	attacagagg	agggaaaacc	gtatgctaag	900
atgtcaaagg	tgccatcacc	cgcccgtctg	attggcaagg	tccttccagc	gccagacaac	960
ctgggcaagt	tgaattcagg	cctgaagtcg	ttccggccga	gaaatgtctc	tgtaccagcg	1020
cctgatgtgt	ccgccaattc	cccgaaaacg	ccgtcaagcg	gtgcattccc	ggacctccat	1080
aagggagcgg	caattggccc	ggctccttct	ctacctacac	ctattggtgc	aacttttgcg	1140
ccgtccggtc	tgaccagtgg	aggcctgtat	ttgtttgata	gccacatcca	ctcaccgaca	1200
agtcccggat	ctcccaatcc	aatggccgcg	aacgccccta	ttcctctaga	accgtgtccg	1260
gaatcattcc	ttctacgtcc	attctggctc	atgagatgta	tttaccagac	catcgctcat	1320
ccgcgagggg	gttatattatc	tacgaagtta	ttcgtgcccc	atgacgtgtg	gggctgcaaa	1380
aacgtgaaac	ttagggcggt	cgaagaaaag	gtgtccaact	gcgacttgtt	aacggcgggc	1440
ttactcaaac	ttgctaagggt	ggacacttat	gacgccgacg	ccgtt		1485

<210> 8890

<211> 285

<212> DNA

<213> A.fumigatus

<400> 8890

ccacacacct	tgcgcaccca	tcaaaaccca	accttgtcgc	cgaccttgaa	ggtagtcact	60
gcgctcccga	cgtcacggac	ggtgcctgcg	ccctcgtggc	ctagggcaat	acccttgtgc	120
ttgaatagcc	ggtccgttcc	gcagaggcct	gcgtgggaga	tctcaacgaa	gacttccgag	180
ggctggattg	tgctgtctaat	cgtgtcaggg	atgacgtctc	cgctctcgga	gcctttgaag	240
acattgaatt	cgatcgtttt	ggacattggc	atggcctttac	aatga		285

<210> 8891

<211> 642

<212> DNA

<213> A.fumigatus

<400> 8891

ctaccttcaa	ggtcggcgac	aaggttgggt	ttggatgggt	gcgcaagggtg	tgtggtcatt	60
gcgacttctg	cgtttagcgg	atgtactttt	acttgctct	acacccttac	gatcgatgg	120
aatgttatga	tgcaaggcca	cgatcagtat	tgccagcagc	gtgagcagta	tggcaagggg	180
aacaccgaaa	tcggggcatt	cgctaccac	gccgtctggc	acgagagcat	gctgggtcaag	240
cttccggatg	atctggagcc	tgagtatgct	gctccgctga	tgtgcggcgg	agcgacagtc	300
tggtgtgctt	tgacatgcta	cgatatcaag	cctggggagc	gagttgggat	ccaggggatc	360
gggggactag	ggcatatggc	gattcagttt	gcgtcgaagc	taggatgtga	tgtgggtgtg	420
ttctcgagct	ccgccgcaaa	gaaagacgag	gcgaagggcc	ttggagcgaa	cgagttccat	480

acacttgaga	acggtgctgt	gggagatgct	gtgcggccgg	taaagcatct	tctctggtgt	540
ggaaatgagc	cgcttgattt	ttccaagttg	gtgcctccat	ccttgagtgc	aggagactgt	600
aacttacctc	tgttccagag	tatttccgct	catgtctcct	ga		642

<210> 8892

<211> 714

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (457)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8892

cgcaggctat	gctttgctcg	ggagcgtgga	ggatatgagg	tatgccctgt	catgactcgc	60
ctgaacttgg	agtggagtgc	atcagcatta	tctgacgatt	gcagcgagga	ggagatccac	120
caacaaatca	acaccaacgt	ttacgggcct	atgcgggtta	tcaaagccgc	tctcccattc	180
atgcgtgccc	agaagtccgg	tacgattgtc	aacataagta	gtatcgagga	attacaggct	240
cagccttcct	gctcactcta	cgccgccagc	aagttcgctc	tggagggtac	gttcagaagg	300
aagtccgaaa	tgaatcctcg	actgacaatc	agcagggttc	ttagatctct	ttcgaaagaa	360
gtcgcccat	tcaatatccg	agttctaata	gtgaagcctg	gtgcctttcg	gacgaacttc	420
ctatcggcct	atgccaccct	acccgctgga	ctgaacnccg	cgtacgaagg	cacgaccatc	480
gaccaggtag	tacaactctt	ttagagccgc	agcgggaaac	aggaagggga	tccggtcaag	540
gcagttgagc	ggatcatcga	tgtagtgcag	ggaacagggt	taggtgctgg	caagaccagt	600
tgtctccgct	tgccgttggg	acgggactgc	atcgacagag	ccaagaccaa	gctggaggaa	660
gtgagaaaga	atctggatga	gatggaggag	attgcctgca	gtactgatat	gtga	714

<210> 8893

<211> 354

<212> DNA

<213> A.fumigatus

<400> 8893

gtgcaggaga	ctgtaactta	cctctgttcc	agagtatttc	cgctcatgtc	tcctgacagt	60
acgatctatc	tactgacagt	gagcatgcaa	caacccccgc	tgccagtcac	gccgcttacc	120
tcgaacggca	ttcgggttca	aggatccgcg	gtagcgtcgc	gtgtctctgt	ccgaaagatg	180
ctgcgggttt	tgtcagtgc	cagaatccgg	cccattatca	tgacttggcc	gatgaccaag	240
gatggaatcc	aagctgcatt	ccagatcctg	gagcagggca	agatgcggta	tcggggagtt	300
attggttggc	agagacattt	gatgggggaag	ccggctgtag	agaaaatggg	atga	354

<210> 8894

<211> 330

<212> DNA

<213> A.fumigatus

<400> 8894

aagtcagaaa	cacccgatac	gatggcagca	cctcagacct	ggctcatcac	tggcgctcca	60
tccggcttcg	gggtcgtcct	cgcagaagcc	gtgctaaaag	ccggtcatcg	agttgtcgcg	120
accgctcgaa	accctatcaa	ggcagcgcag	acttatcccc	agatcgagtc	tttaggcggg	180
acgtggttgc	agcttgatgt	gacacgacca	gacacaaaag	aaacagtcga	ggacgccatc	240
cgggaagcaag	gacgcattga	cgttggtgtc	aataacgcag	gctatgcttt	gctcgggagc	300
gtggaggata	tgaggtatgc	cctgtcatga				330

<210> 8895

<211> 426

<212> DNA

<213> A.fumigatus

<400> 8895

aagtcttacg	acggcctgtc	agggagggaa	caatatcacc	tacccatcaa	cagcagagtc	60
cagaatctaa	catatcattg	taaagccatg	ccaatgtcca	aaacgatcga	attcaatgtc	120
ttcaaaggct	cggagagcgg	agacgtcatc	cctgacacga	ttagacgcac	aatccagccc	180
tcggaagtct	togttgagat	ctcccacgca	ggcctctgcg	gaacggaccg	gctattcaag	240
cacaagggtg	ttgccctagg	ccacgagggc	gcaggcaccg	tccgtgacgt	cgggagcgca	300
gtgactacct	tcaaggtcgg	cgacaagggt	gggtttggat	gggtgcgcaa	ggtgtgtggt	360
cattgcgact	tctgcgttag	cggtatgtac	ttttacttgc	ctctacaccc	ttacgatcga	420
tggttaa						426

<210> 8896

<211> 342

<212> DNA

<213> A.fumigatus

<400> 8896

aggtaccgaa	ttgtcaacat	ccacacaatt	gatggaatac	ccaacatgac	tgatccaaca	60
cogtcctgtc	tcctaactaa	ctccacagac	accatgcctc	cgaatcgctg	ctcgaacctc	120
tcccccaatc	tcctgaatgg	catttttcgcc	tccctcagcc	aaccgtcccg	ccgctgggtc	180
ctcctccgca	ccctccaaag	cgacaacccc	cgtgacatca	acggcgaaact	ccgcggcaca	240
gcatecttcc	atcctctgcg	gcacagctcc	gcggcgtccg	accaccgtga	tgtagtctac	300
cgcgaggagg	gcgagctacc	gaacacattc	gggcccggcgt	cc		342

<210> 8897

<211> 189

<212> DNA

<213> A.fumigatus

<400> 8897

gtactgaagt	attactacaa	cggaagaatg	ggtatcagaa	caattcaaat	tctaattggt	60
gtacctatct	tctctgcgct	cgacctcatg	gtactattgt	atgctgcctg	cgatctgtgg	120
tatccttcct	cttcgataaa	gtacctagac	catcaaatta	aacctgtacc	agagaatata	180
agtacctga						189

<210> 8898

<211> 213

<212> DNA

<213> A.fumigatus

<400> 8898

catgtcatga	tatgttcgac	acagaaaagc	gaaaaggtaa	tctactcaag	catgcgagct	60
attactgtcg	ttatgcaagg	gcagtttagg	aaaatgatata	gctttccttg	ggagcatggc	120
gcatgcatct	ctggctcctc	ggatgaccct	cttttccttg	agaggccctg	cccatctttc	180
acaagcgcaa	accatatact	aaaccagacc	tga			213

<210> 8899

<211> 192

<212> DNA

<213> A.fumigatus

<400> 8899

gcctctaact	ggtacgaatc	aagccacctt	ggatcatggg	ttcgagtaga	gaaggctaga	60
gcgggctacg	tagtccctac	attagtttgg	ggctatctaa	tggtcacagt	gcccttaact	120

acagagtact accgagtagt ttactgtctc gactcagacg attcaaagac cctagctgtg 180
cttcactggg ta 192

<210> 8900
<211> 237
<212> DNA
<213> A.fumigatus

<400> 8900
cttctctctg taaacttttt gcagtatttg ctgcagcttg agcctgagac cgcttcaaata 60
gtgcttgagg atgcgacaag tgagtcgccc ctgtgggggt accgcgtcgg atggagcatt 120
tctggaaatg gcgcttcaga atatcactgc gagagaacgt gtccttgcaag agaacacaca 180
tgtacggggc atcaccagtg tctagagggt gagattattt ggtagccaa tgcctaa 237

<210> 8901
<211> 795
<212> DNA
<213> A.fumigatus

<400> 8901
tctcaccctc tagacactgg tgatcgcccg tacatgtgtg ttctctgcaa ggacacgttc 60
tctcgcagtg atattctgaa gcgccatttc cagaaatgct ccatccgacg cggtaacccc 120
acagggcgga ctcaacttgc gcacatttga agcgggtctca ggctcaagct 180
gcagcaaata ctgcaaaaag tttacaggag gaagtcagta gtaccgtccc gccttccaat 240
ggcatcgagg gtgcgacctt cagcgagggg gccgtgaacg ggaacgggtc ggggtgcaggc 300
cgaccaggtt tcacggacca gcagcctcta ggctttacga tgcagtctgt caatggactg 360
ggcgtgggtc agccagacga cgcctacgct catggacaag ctcatcagag agcatcgtgg 420
atggctactc ccaagcagaa cccgtacctt gtgcagcctg gcaactgaag acctaaccag 480
cagctgaatg ttgaccgccc tacccttgaa caggcgaaac cctccgtcgt tgatcccaag 540
cgtcccatga tgcccggacc cgaccggaat catggcggtg gacttgattg gacttccatg 600
ttccaggctg gagcctccga cggctatatc aatcagggtg tccccagtc catggcatcc 660
ggccaggagc ctatccaagc ccagggtgaa actgaacgaa agttctaccc taccactacg 720
acggctggcc ctcaagaagg tggaatgaac ggtttatact tggcttctac tactctcggt 780
ggcgatggta agtaa 795

<210> 8902
<211> 594
<212> DNA
<213> A.fumigatus

<400> 8902
caagaggtcg ttgacagcgg aaacactaat atcgggctca gagaccaaag actggcgctt 60
caatgggtcc aagagaatat cgcggcggtt ggaggtgacc cggccaaagt caccatctgg 120
ggagagtccg ctggaggaat gtctgttggg tatcatctca cagcatacgg cggtagagac 180
gatggactct tccgcggagc tattatgcaa tctggtgggt caatatctgt cagtccagcc 240
agctacacag tatttcaagg ctcttacgac gatcttgtgt cgaaagtcca atgctcggac 300
gatgaagata cgctgcaatg tctgcgtgat gtgccctttg agacgttgaa tgccgcgctc 360
aacgggtactg gcggctcacc caactaccga tttgccccag tgggtgacgg ggatttcac 420
ccggatcgcg gcagtgtgct cttgaagaag cacagatag tcaaagtccc catcattgct 480
ggtacaaaca cagacgaggg gacagcattt ggtccctttg ggatcaatac caccgagcaa 540
ttctacagat acctcacagg tttgttggag tgcgctttca ccttttatca ctag 594

<210> 8903
<211> 1032
<212> DNA
<213> A.fumigatus

<220>

<221> unsure

<222> (812)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8903

ctctatcaga	tcaacggacc	tcaaccatca	aacaccacca	ccaccatcaa	cacggacaac	60
ataatcacat	ctactgacaa	agtcagggag	agtctcagaa	tgacatcccc	ctcccaccga	120
cgctctctaa	aagaagctgc	cgaactcgcc	tcccaccctt	ccccgcactt	caccgcccac	180
cctgtctccg	actccaacct	ctacgactgg	cacttcaccc	tgcgcggccc	gccccctccc	240
tcccatacag	cggcgggcat	ttaccacggc	cgcacgtgc	tcccaccag	ctaccactg	300
cgtccaccct	ccttcggtt	cctcaccccc	tccggccgct	tgcaggtcaa	ccgcgaaatc	360
tgccctcagta	tctcgggcca	ccacgaggag	acgtggcagc	ctgcgtgggg	gatacggacg	420
gcgctgctag	cgctgaggag	tttcatggat	gcggtgcga	aggggcaggt	gggagggttg	480
gatgttgatg	ttgctgtgag	gcggcgggtat	gcggttgaga	gccgggggtg	ggtgtgcgag	540
gtttgtgagg	gagggaggag	caatgaggag	gtgttgaggg	cgtggcggga	ggtgtgctgt	600
gccaaagggg	tggaggttga	ggaggatgag	gtccaggggtg	ctggtgctgg	tgctggtggt	660
accgcggaga	ggacgccttc	gggggaagct	gagccaactc	cagaacgaga	cccggaggat	720
actacagacg	caaatgcaaa	tgctaagtgc	gagacggaga	cggggacaga	gtcttctcag	780
aaggaatcag	aaccccgacc	atcgaagcat	gntacgccgc	agcagcaggt	gcaagtaccg	840
gtgccttctg	tgccatctgc	acctgcgcca	acacctgcgc	caacacacac	gactccagtc	900
cgcactacca	ctgctactac	ttctcaacct	actacaacag	atgcaccgtg	gctggatcga	960
gctatcctag	gcgttctcgt	cgcgttggcg	ttcatgatcg	tacggcggct	tgccaagtgc	1020
gaggagggtt	ag					1032

<210> 8904

<211> 279

<212> DNA

<213> A.fumigatus

<400> 8904

tatcctccgg	gtctcgttct	ggagttggct	cagcttcccc	cgaaggcgct	ctctccgagg	60
taccaccagc	accagcacca	gcaccctgga	cctcatcctc	ctcaacctcc	accccttg	120
cacgacacac	ctcccgccac	gcctcaaca	cctcctcatt	gtcctccct	ccctcacaaa	180
cctcgcacac	ccacccccgg	ctctcaaccg	cataccgcgg	cctcacagca	acatcaacat	240
ccaacctcc	cacctgcccc	ttcgcacccg	catccatga			279

<210> 8905

<211> 771

<212> DNA

<213> A.fumigatus

<400> 8905

cttcaggaga	tacgttcgac	actagaaaaa	gctgcgtcaa	tcaactgagcc	atctgttgat	60
gtgcggcagt	ttttcgcat	tccccggag	gacatcgcca	actccgaaga	caacaagggtg	120
ccagcgctct	tgatctacgc	cttgaacata	ttctccaaat	gtctgatttc	gtccctcatc	180
acggaggcat	ccatcaacca	gggccaagcg	gagccgattg	gcatagtggc	tgacacagatc	240
ttctccatgg	acgccttcat	ttacaagggt	caccacatgg	ttgacatcct	ttgggccaag	300
taccgtgttg	tctgtcccgc	actctggggc	ttttacggca	gtgagaaaac	tgaggccggc	360
agaaaggcca	tccgctgggtg	gcgtgagggc	cgggacggac	cttttataag	tgaacaaggc	420
catgcggatc	gcatgacagc	acttggggcc	ggatatgccg	ccttaacatt	acgcaatttc	480
ggcaagacgc	cgcgcaggaa	cccgtttccc	aacaccatgt	tctggtatac	gatgcataaa	540
atactcatga	ttccgcccga	cgaatccaa	gaaacacaca	ttacattgct	ctctgcaatg	600
ctcaagacct	ccgtcagagag	gattgtgggc	ttcttcggcc	atatgggctt	ggcattgatt	660
cgacgggcga	ttgtcgattt	acccaacagc	cttactcgcc	agagtatggg	tgtcaatcaa	720

ctgaagctct tgagagatat ttacaagaga gagaaacaca tcatcattta a

771

<210> 8906

<211> 234

<212> DNA

<213> A.fumigatus

<400> 8906

aatgaaaatc	atggaatatg	ggataattac	cctggattgc	ttatcttgct	tggaatgcga	60
atgccagata	gacctacagg	aagaaaagtc	acaatgatac	acgatatcag	tggaataaag	120
cataaacata	tttgcttctc	aactacatat	gtagcgtacc	ttaattataa	ccagtctcgc	180
gtgacatcat	cagcctatgt	tgtgctacat	gctgttgtga	ttgacttaga	atga	234

<210> 8907

<211> 951

<212> DNA

<213> A.fumigatus

<400> 8907

agacaacgca	ccgctggcat	gaaacccgcc	cctcctccaa	ctcgccccc	cggtgagact	60
ctcaaatacg	cgtcagcagc	ggctgccgca	gcggcgagcg	acaaaaacgg	tgtcgggtatt	120
gccctctctgc	ccccaccgcc	tggcacgagc	cctgcctata	ccgccgccat	cccagtctcg	180
agagcgtcat	ccacagcadc	gccagttgtg	tcttcgggtcc	agccagtgtc	gaaagcggca	240
gcaaccgcca	cggaagagcc	tggcggacac	ggtcgggtcca	agactccagc	tctcaacccc	300
agcgcgacgg	cgactcctgc	agccgccagt	gcttcgaata	cgatgccttc	cactccagcg	360
acggacaagg	cgaacaccac	ggctgccaa	gaacagtcag	cgacagccaa	cggcgagaca	420
gccaaggaag	atgaacagcg	cgacgagtcg	atataccatc	tgccctcccg	gctgcaggac	480
ctgatccagt	catttgaaat	caccaagagc	cgcgcgacga	acagtgcctc	aagctcgtca	540
ccgtcgggtcc	agcgattgct	cgcagcatca	ctggcaactt	gcccggagcc	tgccgatgca	600
gagaaacccc	gtcattaccg	accttccaat	ccgtacaaca	ccccctctta	ctaccgcgaa	660
gaaccactcg	ccatattcga	tgatcctcgt	ctgtatgaca	ccggacggat	tgataccgat	720
acgttttttt	acttgtttta	ctaccgtcag	ggaagttacc	agcagtacct	ggcggcaaag	780
gcgctcaaga	accagagctg	gcgcttccat	aaacactacc	agacttggtt	ccaacgccat	840
gaggagccga	agaacatcac	cgaggactat	gaacagggtg	catatcgatt	ctttgattac	900
gagagtacct	ggtacgtctc	attccattcg	tcgtttctct	gttttctttg	a	951

<210> 8908

<211> 183

<212> DNA

<213> A.fumigatus

<400> 8908

caagatcggt	gcctgagggt	cagcagaggg	acacatgact	cgacaatccg	tacttttgct	60
agcgtctctc	ctctctctgt	ccccctcgcc	cttcagggtg	cttcctcttg	ggctgtcggt	120
ctttgcgggg	atttcaccct	ttggcaccgg	ttttctagat	acttttcgtc	caagtgggtac	180
tga						183

<210> 8909

<211> 600

<212> DNA

<213> A.fumigatus

<400> 8909

gagtcaggag	tcgcaccttc	tgaagagtct	ctgccgccta	cagaatgcca	cgaactgggt	60
tgtcaccatc	tattgaacct	tatgccgtgc	aaccatagcc	aaccatttct	gatattaggt	120
actgctgcag	gccccgcag	caagacatgc	cgggaaaagt	gccgcaagtg	tgaccgcggt	180

agacctaaagt	gtcaacgggtg	catctcaaaa	ggcttagaat	gcggcgggta	ccccgacctg	240
taccggttttt	goggaaatcgc	tagtcgggga	aggtggaaaag	gcgcaagagt	gcccactcca	300
agaaacatca	aatctaaatc	taccgttgct	gagtcgcagc	aagtctctac	taccgcaacg	360
ccggattcgg	ttacgtctgg	atggacagag	ggcgtctcga	cgcaaccgtc	ttctaaaaag	420
tctagcagaa	gcgcaacaga	attgccagac	gatatcccaa	agatactgaa	tctcaccag	480
acggagttgt	tggtatcgca	ttgtaagctc	ttattggctg	gattttggag	ggcaggaaac	540
actgacgcca	gagaggtaca	gacgaaaact	tcatatgtcc	gcaccaaatt	gctgagatag	600

<210> 8910

<211> 597

<212> DNA

<213> A.fumigatus

<400> 8910

gatatgaata	taggcgagaa	agctcgtatc	agtgccgctg	gtggcttcgt	cgactttggc	60
cgagtcaacg	gtaatctggc	cctatcccgg	gccattgggtg	atttcgagtt	caagaagagc	120
cccgagctct	cacctgagca	gcagattgtc	acagcttatac	cagatgtgac	agttcacgaa	180
gtgactgatg	atgatgaatt	ccttggtatc	gcctgcgacg	gtacgtcttt	ctgtatcgtg	240
ggcttatcta	caattacacc	gtcttggtgc	cctttactaa	tggatttgct	tgtaggtatt	300
tgggactgtc	agtcaccca	atccgtagtc	gagtttggtc	ggagaggtat	cgctgcaaaa	360
caggaacttt	accgtatctg	tgaaaatatg	atggacaact	gccttgcttc	taacagtgag	420
actggagggtg	ttggatgtga	caacatgacc	atgatcatca	ttggtcttct	taatggcaaa	480
accaaggaag	aatggtacaa	tcagatttct	gagcgggtag	ctaacggcga	cggcccattgc	540
gcgccgcctg	agtacggcaa	gtgtctcgag	gatcccatgg	tcggcgaggg	ttactga	597

<210> 8911

<211> 639

<212> DNA

<213> A.fumigatus

<400> 8911

acttctctccg	aggggtcaaga	tgaatgttgt	ttgtatgggt	tgtcggccat	gcagggctgg	60
cgaatcagca	tggaggacgc	ccatgctgcg	gtcctagacc	ttcaagccaa	atccacagga	120
ggttccgaaa	agcctacaga	tcccgataaa	cgcctcgctt	tttttggtgt	atatgacggg	180
catggtggag	ataaagtagc	gttattcgcg	ggagaaaatg	tgcataagat	cgttgcaaag	240
caagaggcct	ttgcgaaggg	cgatatcgag	caggcggtga	aggatggctt	cctggctacc	300
gatcgggcta	ttttggaagg	taagtggacg	ccactctggg	gcttctggaa	ttctgaattc	360
tggttctctg	tcattgttgc	gcttgggggt	ctcaaggaaa	ctgacttgct	agacccgaaa	420
tatgaggagg	aagtctccgg	ttgcacagct	gccgtcagtg	ttatttcaaa	gaacaagata	480
tgggtcgtat	gtaccttcaa	cctataccct	acggccatca	cttgagatc	aggagaaagg	540
ctaattggga	tggtaggcaa	acgcgggcga	ttcacgctca	gtattgggtg	taaagggccg	600
cgcaaagccg	ctttctttcg	accacaagcc	acagaatga			639

<210> 8912

<211> 411

<212> DNA

<213> A.fumigatus

<400> 8912

gagatgggtg	ttgcagctga	attccgtggg	cctgggtatcc	gcaatcaatt	tgaagaaacc	60
cccagataatt	atgatcttga	aaacgaccgc	tcccgcggct	tcagcgtccg	ttccggccgt	120
atcattctctc	taggtgacgg	cactgaacta	attcccgaac	agaatgacga	ggaacttttc	180
gaccagagag	aggaaaatcg	agatgtcaca	aatcatttgc	aacacgagtc	gcctgattcg	240
tcggctcgag	gagatcgtga	aggtaccccg	ggaccccagt	cgaagaacga	gaccacgagt	300
aaggctgagg	agacctcgac	tgcgcgccaac	ctgtccgaat	caccctcaag	cgcaaacaaag	360
aactcttctg	gcagcgggac	tgaagccacg	gagaagtctg	cctcctcgta	g	411

<210> 8913
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 8913
 gcaaacgcgg gcgattcacg ctcagtattg ggtgtaaagg gccgcgcaaa gccgctttct 60
 ttcgaccaca agccacagaa tgaaggctcg tgtcttatca tccaaccctc cggactttcg 120
 cagctaagat atgaatatag gcgagaaagc tcgtatcagt gccgctgggtg gcttcgctga 180
 ctttggccga gtcaacgta a 201

<210> 8914
 <211> 225
 <212> DNA
 <213> A.fumigatus

<400> 8914
 ccaactcgct acagtcgtat gcacagcaag ggaaagggtta ttagcgcttc tgctattccc 60
 tacagccgtt ctgctcctgc ctgggtgaag accacccccg agcaggctcg cgaccagatc 120
 tgcaagctcg ccagaaaggg tgctaccctt tctcagattg gtgttgctct ccgtgacagc 180
 cacggcattg cccagggtcaa ggttgctcact ggtacgttta tttag 225

<210> 8915
 <211> 513
 <212> DNA
 <213> A.fumigatus

<400> 8915
 tttggctacc ttttctacga catcctatcc acctacgtcc ctaatgtctt ccaaacaccc 60
 tatcaaacct gccccctaga cctccacacc gatgcattct acccctcccg cgcacagag 120
 atcaatcacc gtctggtaga aataacgaac ggcgctgctg agaggattat tcgtgatatt 180
 catgagcgtg aatcagcgaa gcagacctgc gccatcggca tcgactgggc ctttgagctg 240
 gacgacttgg ttgagatcgt gcagtgtttt cgaggcgaag ctctcgccac tatttgcaaa 300
 gtcattggctc aggagtatca gcagcgcggt ggggggatac ctgatctctt tctgtggagt 360
 gtggagaaga aggaagtcatt gtttgtggag gtcaagtcgg aaaatgatcg cttgagtgat 420
 acccagaggt tgtggattca tgtacttact ggagcgggtg tgagggtcga gctttgcaac 480
 gcggttgcca aggaggttag acgatcgagt taa 513

<210> 8916
 <211> 591
 <212> DNA
 <213> A.fumigatus

<400> 8916
 ggggtacgttg aatgtagcgc tgttaacagc cacaacgtat gtgtcattgg cgggtataga 60
 atgcgagtta gctgttgcag ctggctgaca ctgactccca gtatcgcaac gactcgtcaa 120
 gagaatatga tgaatgaact gagagatgca atactgaggc agaatgaagc ttctcttcag 180
 caagaaatct ccagagcaga tggccagtgc gcggagattc aactgtccct acagcaagtc 240
 gaggccagcg acaacggcca gcaaaatggg gatttagagc agagcagaaa tgaacttttg 300
 caggagatcc ggcagcagca ggctcccat gatgcgtttc gaatcacctg tgaggagag 360
 ttgtcgagga cagtctatga gcgcaccggg cagaagatta aggggggtcaa ggcaactaat 420
 cacagttctt cattggcagg attcattaac acctcaggag atgagttaac gattgatcag 480
 gatctctcgg atgttactgc tgacaactgg agtgttgtag ctgctggagt cattaagaat 540
 ttgaacttca aggatttgcg ttcgactgcc acttctcgtc agacgcctta a 591

<210> 8917
 <211> 387
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (30), (63), (190)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8917
 ttggtagtct gtgtgccatt aacggcgcan acacatcatt tcttcggagc cgaagaattc 60
 gngtcttat cctcacacat accgcgcga catcccaagc catatctgac caacattgca 120
 cgcggaagg tcatcgacca agaggcactg atcgcgtctc tccgctcggg tgagttgagc 180
 ggggcagcgn tagatgtcac cgatccagaa ccgctccccg cagatcatcc gctatgggat 240
 ctgccaaacg tgcggatcag tctcatatc agttccctgg gcaaggaata tttcccccg 300
 tctttggata ttgccaggga gaatatgtgg cgattggaga ggggagagcc actggtcaat 360
 gagtacaaac ggacgagggg atactaa 387

<210> 8918
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 8918
 ggacagttga atctccgcgc actggccatc tgctctggag atttcttgct gaaggaaagc 60
 ttcattctgc ctcagtattg catctctcag ttcattcatc atattctctt gacgagtcgt 120
 tgcgatactg ggagtcagtg tcagccagct gcaacagcta actcgcatc tatacccgcc 180
 aatgacacat acgttgtggc tgttaacagc gctacattca acgtaccctt acagtcgttg 240
 agctgtccct tcaaagtcac gattctttct tccccaaaca aacctactct ccacctatcc 300
 atccagaatg tcttctcgtc cgtcgactta ctcattccagt ga 342

<210> 8919
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 8919
 tgtcctcgac attctgccgc tgtctttatg cacagtcctc agacgttggg ggtgcctaca 60
 agacggctcc cctccccca aacaaccggc atcactcttg acgacgtggc cttcagtaat 120
 gttcagcgcc acgtgtttga cacaacggc aaggagtatg tcgagggagc cctcgtctg 180
 tggacacata aacttgaata a 201

<210> 8920
 <211> 552
 <212> DNA
 <213> A.fumigatus

<400> 8920
 actgtccaat tctacgccg cggggttctt ttgcagatgc cgtgggggtg ttccttggcg 60
 atccctcttg tacttgccag gctggagagg cagaattcca tgagcgacat ggcgagcgat 120
 cagctgttgt atcttgcgtc gcagcgcatc ataattcagg ataattgaaa gaagccggat 180
 aagttcatgg tcatgcagtg gatcctgacg ctggaagggt tggagaacgc tcctgggacg 240
 gggctggagg accatagtat cagcattgag tcgtttgcga ttcggatacc gtatgatgag 300
 ctgttttaca aggtgcagaa tgccttcacg ccttggagct atccgagtgt ggtgctgttg 360
 gactatgtgg gcgatttgca acagttgtac gatgatcagc ccgtgaggaa ggagttgatt 420

acgtttggta tggcgatgaa tctggctatc gccagtaaga actggttatgc tggggggtggg 480
 ttgataatac ggcgactcta tttgcatcat gccacaaaga gacatttggc attgttgctg 540
 ttgtactggg ag 552

<210> 8921
 <211> 975
 <212> DNA
 <213> A.fumigatus

<400> 8921
 ggatatgacc cccacccaaa gggccccct ggagacgcaa acccgggaaa gcggaagcct 60
 tccgcaaagc caaagaaagg cttcgccac agaaggaaaa agccatattc aatatcgga 120
 ccaagccaga ccccatgcaa aggccactca tcaaacacac gtccaccgat cgcacggac 180
 gcaatctcga aaaagacctc aagtccgagc ttttcggggg acctggaaga cgtcctcctt 240
 tctttagcca gagggccact tgagcaggac gtgctaccc tgcgcggtgc catgtcaggc 300
 ctaggaacga acgaaaacct cctcacggat gtgctggtcg gccggtcgaa tgccgacctg 360
 cgcgcaatca agtacgcgta tgtcagcaag taccagaagt cgctggtgga ggatatcaag 420
 agcgatttgt cgggcaagac cgagcagttc tttgtcatgt tgctgaacgc tacgcggccg 480
 gagccgggga cgtatttcga tgcgcagtcg gttgatgctg atgttcgcga gatccaccag 540
 gcgacgcagg cgcgcaaggg gacagatgag attggtgtct ttgccgtact tttgggtgcc 600
 tcggatgcga agctcgtcgc aatcgcgag gcttttgagg caaagtatca tattagcctc 660
 gagaaggatga tcaaggatga gttctcgggc cacctggaag atgcgctact gtcgatgctg 720
 tctaaggcga aggatcctgt tggatcatgt gtggagaagc tcctaaagtg tttgcctcct 780
 gttgagaacg ggaaagcaga tgtgaagcgg ttgatctact gggttgttca tctgcattgg 840
 aaccaccccc attttgcagc ggtcaaggcg cggctgaagc agaagctggg ccatgatgtt 900
 ggcaaccact tcagagaagc cattgcccc a ggagacttcc ttactgctat gcgccagggtg 960
 tggaattcgg cctag 975

<210> 8922
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 8922
 gataaagtgg gtccaagact acatggcaca actggcatcg catccttatg tctcgactct 60
 aataacacag acttacggag tactcctatc gtcttcatga aacacagcat aatgatgcta 120
 ccaacctcaa ttagcctaata caaggatctt ctttccctc aaattgcgtg tactcttgtt 180
 cctgctacac agattatctt tacctatctg ttaaaatggc tttgtgggtg a 231

<210> 8923
 <211> 249
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (167)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8923
 gtcaagattc tgacagaggg ccttgccata ggctacactg gtatgggggt acgttgatcat 60
 gacgctccgt cgcaaacttc aattgctaata gatgagactg ccaatagtc tttatgtccgt 120
 tcaaacggcg agtggatttg ccgcagcatt ctttcaggct tcttcgntgc tccgatcgaa 180
 gctcttcocag aagtgaccgt caccgatgtg gtaagtgtt gtggatcaaa cgttcacgcc 240
 acttattga 249

<210> 8924
 <211> 495
 <212> DNA
 <213> A.fumigatus

<400> 8924
 tacttttacc atgaacgagg gacgtatatg ggtctgtacg cttttttctt ggccgggagc 60
 aactactttg caccagtgat atgcggcttc atcgcccaat atcagggatg gcaatgggtt 120
 ttttactggc ctgcggtatt ctgcgctgtt actatcgctt tcctcttttt cttcatggag 180
 gaaacgaact acgcgcggaa atgtgccgag acaaccacgg tcgagggcat cctagaatcg 240
 tcaacgaccc cctccaagca aggtgaccag gaaaagcctc tacctgcgac gggacaaccg 300
 gatcaaacag agtgcgaggt tatgtacagc aagaaaacct acattcagaa gctgtcaatc 360
 attggacctc ggcaaccacg gaacaacatg tttaggcggt tctaccaaac gttgtactac 420
 ctgagctggc cggttatctt ctatgctggg tatgtcaagc ggtctctcat attcatcgga 480
 aacatcagat actga 495

<210> 8925
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 8925
 cgagcaattc acatacagac cctactaact cgggtccagat cctttttcac cggaagattc 60
 agtgattggc ttactatcaa actcgctcga cggaacggcg gagtgatgga agccgagcag 120
 cgtctctggc ccttccttgc gtgtgtgatt attgtccctg gatcgctgct actctggggg 180
 gtgggtgcag cccacgaggt ccaactggttc ggacttctag tcgcgatgtg ccttcttgcg 240
 ctgccagca cctgtggagt aaccctgagc gtcaactatc tcgtcgacag ctacagggag 300
 ctgagtggcg atgcgatggc tagtgtgatc ttggttcgca acacaatgtc gtttgccatg 360
 ggctacgggt aa 372

<210> 8926
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 8926
 aaacagcata ttgcagctca cagacagcat ttgaccttct gcagttgctt ttgtctcgtc 60
 atggcgctc gtggagacgg tgacagcatc ccaggcacgt tcaccctggg ggacgtggat 120
 ggtgtattgg ccaactcgta ccttgataga ggagacagag atattgtcct tgtgcctgaa 180
 cctccaatg acccagatga tcccctaaat tggtcaccac ggcgcaagct actgtctacg 240
 atctgtgtga gcgtgtga 258

<210> 8927
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 8927
 gtcgacggaa gaggctgttt tgatctagag ttctcgacca aacagctaatt ctgctcccta 60
 atgtccaggt acaccttgtt tgcaggcatc tcaacttcag tcgtttattc tgtgcttggt 120
 cagctctctg aagagaccgg tgttgcggtg gacactctca accagggaac cggatatatg 180
 ttcttgctcg caggctgggg ccttctcttc tggcaaccat ttgcgttgca gtatggtaaa 240
 cgattgacgt acattctctc attagttgga atattgggtga gtcttcaaag ctattga 297

<210> 8928
 <211> 1230

<212> DNA

<213> A.fumigatus

<400> 8928

tttatcgtga	tagtgcaaag	tatcgtggac	gtttccgccc	gcaactacat	tgggtggtgct	60
ttcaatcgcc	acgttaactg	gctgggtcgt	gccttttggc	gggcctgggt	cgatgcggac	120
cgtgtcagtc	tgggaagcagc	acgcagagac	tatctggaat	accgctttgg	aaccgtcacc	180
tctgccagcg	agcgcaatta	tcttctcggc	ggcattcctt	actacatctt	cgttggacgt	240
cacaagaatc	ttgcatcaaa	tctctccggt	caggagacaa	ttgaaatggt	ggacgcctcc	300
tttactgaat	ctccttatct	ttctcccggc	aatcacacca	aggagatgga	gaaagcaatg	360
gagaggaacg	ctcaagaaat	tcgttccaaa	gcctacgagt	cgcccggtat	caacctgagc	420
gcgaacctcc	cgcttccctc	atccttctac	cagaatcacc	actgccgcat	cttctacaat	480
gatctgctgc	ccaagcacac	gcagttcaag	aatgaatata	tttatgcctt	caactgggaa	540
gatcctcgctg	tggatcatcg	tcttctcgac	atcaagcggg	atgatgttat	cttggccatt	600
accagcgccg	gagacaatat	tttggattac	cttcagaaga	gtccacgcag	agttcatgca	660
gtcgacctga	atcctaacca	gaatcatttg	cttgaactca	aggttgctag	tttcatggcc	720
cttggtcattc	gogatgtctg	gaagatcttt	ggcgagggaa	aacaccaga	attcagggaa	780
ctcctcattt	ctcgtctcag	cgctcacctc	tccagccagg	cattccagta	ctggcttgag	840
cacactcaca	ttttcacttc	aaaatatggc	aaaggacttt	atgaaaccgg	tggctcgcgc	900
cacgcatca	agatgggttcg	gtacctgttc	aagggtgtttg	gccttgaggg	tcaggtgaag	960
aagctctgcg	aggcgcgagac	tcttgctgag	caacgtgaga	tctggccaaa	gattcgcgcc	1020
gtactcatga	gcaagccccct	tcattgggcg	gttgctcagca	ccgaatgggt	cgcgtggaag	1080
gccgcgggcg	tgcctcgaaa	ccagcggaat	atgatcgttg	acgactactt	caagagactg	1140
ggcctgacca	aggacatgaa	ccagggggcag	gatatcagtg	gccggtcgat	ctggcaatat	1200
gttggtggaca	cactggaacc	ccgtcgttaa				1230

<210> 8929

<211> 420

<212> DNA

<213> A.fumigatus

<400> 8929

agtgaaaatg	tgagtgtgct	caagccagta	ctggaatgcc	tggctggaga	ggtgagcgct	60
gagacgagaa	atgaggagtt	ccctgaattc	tgggtgtttt	ccctcgccaa	agatcttcca	120
gacatcgcca	tgaccaaggg	ccatgaaact	agcaaccttg	agttcaagca	aatgattctg	180
gttaggattc	aggctgactg	catgaactct	gcgtggactc	ttctgaagg	aatccaaaat	240
attgtctccg	gcgctggtaa	tggccaagat	aacatcatcc	cgcttgatgt	cgagaagacg	300
atgatccaca	cgaggatctt	cccagttgaa	ggcataaatg	tattcattct	tgaactgcgt	360
gtgcttgggc	agcagatcat	tgtagaagat	gcggcagtg	tgattctggt	agaaggatga	420

<210> 8930

<211> 285

<212> DNA

<213> A.fumigatus

<400> 8930

ccgcaggaaa	cacttgaaaa	aaaaatcgag	tcagtaatta	ttagccacat	tatcgacgaa	60
gcaagccttg	gcctcccga	tcctattccg	gagggccagg	tagaggcggt	tatttcta	120
aacttaccac	cgaacgctac	cgagcaaaact	aagagaatag	ccaacctttt	caaatcgctg	180
tacgccaat	caaccaagaa	agaaatgctc	tctgcattat	ataacgacat	tctctacact	240
tgcaatctac	atgctgttct	aaaagcctac	ctaagccctg	cttag		285

<210> 8931

<211> 222

<212> DNA

<213> A.fumigatus

<400> 8931
 ttaactaatt ctatcctaaa aacaccttat aatcttaagc agctgaagaa gcaggaaact 60
 atacttaaaa agctacttag ggagtatata tacagccctc ctacccttac aaaggctgtg 120
 ctaggtcaga ttattaagag gtgtgagata gtaataaata aactgcccct tcttgcaaag 180
 gaaaattata atctatatac tatacataaa aagcaccttt aa 222

<210> 8932
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 8932
 aatttggccg cggccgaaat tagaggctat tttaaaccctc taaaacatga ttttattact 60
 aaatctagtt attcttgcgc tgcggacatt gtaattacct atggcctaga atatggcagt 120
 cactgtagcg taggggtgcc tgttaagggc attgttctgt atctactacc tactctagag 180
 ggatag 186

<210> 8933
 <211> 963
 <212> DNA
 <213> A.fumigatus

<400> 8933
 ccggtgtatg gaaacaaaaca agggaaactt acgatcaaga ctaccgatat ggagacgatc 60
 tacgatatgg ggaccaaata gattgactca atgacaaagg agcgtgtgat ggccggagat 120
 gttatttcaa tcgacaagtc atcgggaaag atcacgaagc ttggacgttc ctatgctcgt 180
 tctcgggatt atgatgcgat gggcgctgat accaagtctg tccaatgccc tgaaggagag 240
 cttcaggtcc gcaaggaaat tgttcatacc gtcagtctcc atgagattga tgtcatcaac 300
 tcacggacac aagggttttt ggcccttttc tctggtgaca ctgggggaaat cagaagcgag 360
 gtcagagatc agatcaatac taagggtggc gaatggaagg aagagggaaa ggccgaaatc 420
 attcctggtg ttttgttcat tgacgaagtg cacatgctcg atatcgaaatg tttttcctac 480
 atcaaccgcg cgtcgaggc ggagcttgca cccattgtta tcatggccag caaccgtggt 540
 caagcgcgga tccgcggaac cacatacacc tctcccatg gactaccgct tgacttcctc 600
 gatcgtgttg tcattgtcag cacgcagcct tattctggcg acgctttggc tctcttgacg 660
 gcgattcgag ctcaggaaga agagatcgac ctcctgcggg acgctttggc tctcttgacg 720
 aagattggcc aggaatcgaa tctgcatata tctagcaata tcatcactac ctctcacctc 780
 cttagtcca agcgaaaggc caaagaagtt agcattgacg atgtacagcg cagctaccgc 840
 ttgttctacg accctgccag gagtgtcaag ttcgtcaatg cgtatgaaca acggttcata 900
 ggggatcaag gcgctgtgaa cttttcagct cctgcaaatg gagatgccat ggaaatctca 960
 taa 963

<210> 8934
 <211> 477
 <212> DNA
 <213> A.fumigatus

<400> 8934
 tttattttcac agcctatctc aaccgtcgcg gagacgaagg agctccgtgg tctgaatctc 60
 attgctgctc attcgcatat caggggactt ggcgtcgatg cggactcgct tcaacctaga 120
 acatcctctc agggccttgt aggccaggaa aaggcaagga aggcggccgc gggttatattg 180
 caaatggtca aggagggcaa aatcgctggg cgcgcagttc tcatcgctgg ccctccacgc 240
 acaggaaaga cagccattgc catgggcatg gccagctctc ttggatcaga cgtccctttc 300
 acaagtcttg cagcctctga gatcttctct atggagatgt caaagaccga agcactcaca 360
 caagccttcc ggaagtccat tgggtgtcaga atcaaggagg aaagcgagat tatcgagggt 420
 gaagtcgtgg aaatccaagt cgatcgcgag gttactggag tgagtgcaga ctcttga 477

<210> 8935
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 8935
 acccaccgcg gatccttcca gccccgtggt gaagacgccg atgcactgaa gactttaata 60
 actcacctgc aacggggaga aacagctcta gaggctttgg caaggatagg caaaggggct 120
 ccaaagaaac caaaatggca ggccaagaag aaaaagaacc gctcgaagca aaacggcgcc 180
 caagtagaag atgccgaaat gacggaagac gaccccaacg aggcttctcg aaagcaagcg 240
 atagagacca tcaccggcgc ggcgatatac ctcatgacac ggggacaaac ggatatttat 300
 gacatagagc gtgagatgct cacaagacag tatcgtcaag aaacaggcga ggactgggtt 360
 gatcctccct tggagtcgcg tgctcccacc agtgctgaag aagagcctgc aatgtggcaa 420
 tttcgggtgg ctgacgctcg agacggcggt gtcgagcatg gcccatatga cagccaaaca 480
 atggagtctt ggaaaagtgc tggctatttc ggcgacggcg tcgaatttcg aaaagtcggc 540
 gatacaggag actggacaag cgaggccact ttcctatga 579

<210> 8936
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 8936
 ggggcccgtc ccgttgctac actcatcacg agctggctct ggaaggctcac caaacctca 60
 atcggggcat tcatcaacat cctcatcata accctgagcg tcgcaatggc tgtgtcgggc 120
 gagatcaggt tttcctggtt aggggttcgtt ttccagttcg ccagtttagt cttcgacgca 180
 aatcgactcg tcatgggtcca gattcttctg tccgacagtg gccagaagat ggaccgctg 240
 gtcagtctgt actactttgc gccggcgtgt gctgtcatga cctcgctggt ggccctggcag 300
 accgaatacg cttcgttcga gtggagttca gttgcgcagg ctgggtggac agtctgttca 360
 ctgagtgcg tgatgggctt catgcttaat gtctccatct ttctcctggt gagttaa 417

<210> 8937
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 8937
 tctgatgaga aacagatggt gtccttgctg accatgaaga tcggcaaaac gtccggttta 60
 gcgatgacgc tgatcagcat tcccaagaat attctactca ttgctatctc ggtggttctc 120
 tggcataccc ccattagtct cctgcagatc ctggggtaca gtatcgctct gtggagcctt 180
 cttttctact ctattgggtg gaagactgtc aaggcttata ttgacgctct gggggctctg 240
 agtcggaaga gtgatgaaaa tgaagtctta ctgtctgaca ggggtctga 288

<210> 8938
 <211> 1890
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (257), (414), (434)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8938
 ggggtatttc cgccaattcg ggtttcattc ccagcgtggt ttgctgaggc cgcattcaat 60

tcctgggagg	cccggcaatt	ctggcttggg	gtgttaacct	gcccggggaa	cccgttattc	120
ttcaaaagac	ccaggaataa	tcacgggaga	agggtagttg	ggttgagttt	gcccctcagg	180
agtcttccag	atgttgggaa	gagttgtcga	cctccatacg	acacgtttgt	ggaagtattc	240
atcatcacat	cccagantga	aattcagtac	tacttttccc	tcatgaacca	gcatttgccg	300
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caccgacatg	cggactggga	gaaacggtta	ggcaacctcg	gtggcgggaa	gaatatcgtc	1860
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<210> 8939

<211> 300

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (18)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8939

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gccgcttctc	cggttatcaa	gcatgatgga	cacatggacg	gtgtggaatc	gagtcataaa	180
cccatcactg	ctgaagagac	ttcgggcgct	ccgcagcca	aggctgagtc	taaccacggt	240
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<210> 8940

<211> 423

<212> DNA

<213> A.fumigatus

<400> 8940

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------------	------------	------------	------------	------------	------------	----

cgcccccgca	gacaggcacc	gtcttcaaca	tctggtacaa	caagtgggtcc	ggcggcgacc	120
gcgaggacaa	gtatctctcg	aaacacgccg	cgccctcccg	gtgcaacatc	gccaaggaca	180
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tcttcaaccc	caacgtggac	tgtttcggtc	gggacaagtt	cagcgattac	cgggacgaca	360
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tga						423

<210> 8941
 <211> 1065
 <212> DNA
 <213> A.fumigatus

<400> 8941						
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gagccaacat	ctctaccaac	agaatccgcc	gacccaagcg	gccccgctcc	cagcgacgaa	180
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caaaaaaaga	ccaagaagat	aatccggcga	aaacgacgac	ccgctcggcc	gcaggtggac	300
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aagcgggagg	cgaggcgctc	ggaggagcag	gcggcgggagg	cggtgcggag	ggcactgccc	960
gctgagtttg	ttgcggagct	ggagggtcgg	gacccggagg	caaggaagaa	gaagaagatc	1020
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<210> 8942
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 8942						
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gggtttcccg	ccgtcggtaa	atcgacgttc	ttgtccaaga	tcaccaagac	caggagcgag	180
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gcggagatcc	agatccttga	tctcccgggt	atcattgaag	gcgctgctga	gggtaagggg	300
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cttcaggaat	gctcctctga	ccatgtccag	acgagtatc	tcacctcat	ggtcctggac	420
gccacaaaac	gcgcggaaca	gcgagccctg	ctggaagcag	aattagacgc	cgttgggata	480
cgtctcaaca	aggagcctcc	gtaa				504

<210> 8943
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 8943						
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ggcatgaaaa	tcaccttcca	gacaccccc	aagaaccttg	acgagaagat	gatcttcaat	180
gtcctgagag	actacaagat	cctcaactgc	gaggtcctgg	tgcgagacga	gaacgggtacg	240
ctcacgccac	cagccctttg	cgtattttgtc	cagactgcat	actaa		285

<210> 8944

<211> 2145

<212> DNA

<213> A.fumigatus

<400> 8944

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tctcctttcg	ctgcggacag	ttccgtccgt	gtcccateta	ctcgacaatc	caagcgagtg		180
aactttctcac	catggacca	gtacatcaa	cctccgtcct	ttacaaattc	tgctcctaga		240
ttgaagtcag	aactcaagga	gctgccccct	tgaatgagt	gcaaaccgac	aaagtcgatt		300
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gaatcattcg	ccatgctgct	cgattcgatc	acacaacaat	tggccggaga	gtcgataagt		420
tcgagactgg	atgcgtatat	gcagttcttt	ggggctctga	gggcttacga	agggtctccc		480
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agcacagatc	tcggagatga	tgtgcctcta	ggcacgaatc	ttgtcattca	agctctcaaa		600
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accatgatct	cttctctggg	aggcatccca	tttactgaga	aacttctcct	gaagacagcg		2040
aatgagactt	tccaggctgc	taatacgccg	acgcatcatc	ctgtgcgggc	aaacactaac		2100
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<210> 8945

<211> 234

<212> DNA

<213> A.fumigatus

<400> 8945

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tacactggtg agggaaacta tgacattgtg ggactgaact ttgtatgcct gccaagtct	180
gcgcgcaagc cagcgactaa catcggcgat acagcccggtg ttcttctgtc gtga	234

<210> 8946
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 8946	
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gtgttcttct gtcgtgatcc cattcaaggc cccgatgtta ttcgctcca gtatcggatt	120
ccgcagaact tcctgttgga ccacaactcc ttgttcgac tgctcgcaaa tactcccag	180
gggtga	186

<210> 8947
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 8947	
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gctcccagta tcggattccg cagaacttcc tgttggacca caactccttg ttcgatctgc	120
tcgcaaatac tcccaggggg tgagcgagcc atggctatta ttgaaacca aacgctaaca	180
gataatagaa accatgcggg catgatgttt ttcagcgacc acggcacgcc tgtgggggtg	240
cgcaatttac gtggatacgg atgtcacaca ttcaagtag	279

<210> 8948
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 8948	
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gagaatttgt gtatatcaaa taccaatttt atcgcgatc gcggacaaaa gcagtccact	120
gccgacgaag ccatccagat gtgtggtgag gatccggact tttaaagcg tgaccttat	180
caggccattg aaaagggcga aaagatcagc tggacggcgc acgtccagat tatg	234

<210> 8949
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 8949	
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ggtggtcaga ctccggactt ggatggcgac gaggaagacg gatatgatga ggtcatctac	120
ccggtcgact ttcgacaagc cggtcacatt gtggacgacg agatgcaccg gatcatggtc	180
cggccactac gcccgggagt acgcttgacc gcaatcttcg actcgtgtca ctcggtctcc	240
gccttggacc tcccctacat ctactcgaca cagggtatcc tcaaggagcc caacctggcc	300
aaggagggtc ttcacccggg gcgg	324

<210> 8950
 <211> 837
 <212> DNA
 <213> A.fumigatus

<400> 8950

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aaatgcagaa	ccatcatcac	caacaatctt	cctacggcgg	cggttacccc	ggccaagcgt	120
accgtgagca	acatcctcct	ccgaatcctt	acgggtatgg	ccagccctcc	cctcagcctg	180
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tgtgaacaaa	aaaaaatgca	agtgtggctg	actttgtatg	cagcaaccgc	cgtcaggata	300
cggccagccg	cgcgcgcta	ctggaaatgc	ggtgtatggt	ggaagacagc	ctggtatgtg	360
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gacatctgca	acacaggcat	gaaccagtat	cagaacacct	actcgcacgg	tcatcagggg	480
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agtttccagt	actctcgatg	cactggtaag	cgcaaggcct	tgctgattgg	aatcaactat	600
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aaccccatga	gccagcctac	gaaggctaac	atcctgcggg	cgatgcattg	gttgggtcaag	780
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<210> 8951

<211> 534

<212> DNA

<213> A.fumigatus

<400> 8951						
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gtcgaattca	ttgccgcgtt	gtcagctctt	tcccgggaatt	ataagggtcga	attagcagat	420
gacagcccag	agggccgtaa	tgatgcggaa	agagtgttaa	gagagagcac	ctcagtgtctg	480
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<210> 8952

<211> 222

<212> DNA

<213> A.fumigatus

<400> 8952						
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gcaacactcc	tcggggaagc	tttctggaaa	gacgcagagc	ggttcaacca	gcccataaac	120
gacagcatcg	aagccagtaa	gtcctttctc	cttcttgctt	atacctgccc	cattaccgca	180
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<210> 8953

<211> 459

<212> DNA

<213> A.fumigatus

<400> 8953						
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<210> 8954
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 8954
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 agcgatgccg atgatgacca gctagaagaa ggcacaagcg attgcatttg ggagcttcgg 180
 catgtctag 189

<210> 8955
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 8955
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<210> 8956
 <211> 642
 <212> DNA
 <213> A.fumigatus

<400> 8956
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 accaagcaga ctggtgctgc tggtcgcctt tgcaacgctg tctacatttg cgagcgcaag 180
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 aacctgtaca aggtcttcat ggagaaggac gctactcaga ttgagattaa ccctctgtct 480
 gagacctccg accaccaggt tctggctatg gacgccaagc tgaactttga tgacaacgct 540
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 gtcaaggctg ctgagtacgt cccgatggca cccagtttat aa 642

<210> 8957
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 8957
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 ggtggtggtg ctacccccgc cgctatcaag tctgcttttg agctcatcac cagcgacca 180

aaagtcaactg ccattcttctg taacattttt ggcggtatcg tccgctgcga tgctatcgcc 240
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<210> 8958
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 8958
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 gttgtccgac cccgaccccc tacccttaca tccattccct cactgctcag cgtgtttcaa 180
 gaagaatggg atgcgctggc gctcgaaact tacacattgc gtcagaccct tgctcagacg 240
 cggcaggagc tgagcgcagc tctctaccaa cagcatgctg ctgtacgagt cattgcgagg 300
 ttaacaaagg agagagacga agctcgcgac gctttgtcca aggtaactgt tagcgcgggt 360
 cgcgctggag gtgaagaagc tatgcagggt gactcaaccg gcttaccaga cgctgtactt 420
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<210> 8959
 <211> 537
 <212> DNA
 <213> A.fumigatus

<400> 8959
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 aagcctctct gccaaaggcg caaggcccta gccgttaacg cggccgggga aatggcactc 180
 gtaggggggg ctgatggcac tgtcgggtgc tactctctgt ccgagaaaacg tgtcgttggg 240
 aacctacaca caagcggccc agttaccagt gctgtatggg ctggtgacaa ggcagtcac 300
 gcgtcctcta cgggttccat ccagggtcttt gaggatggca aagaactggc gaactttgct 360
 tctcatgctg gttcagcaac ggatcttgcct ctgcatgcta ctggcgacat agtcggctcc 420
 gtcggtgttg ataagagcta tgtgttgtac gacctgacaa ctaactctgt catcactcaa 480
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<210> 8960
 <211> 489
 <212> DNA
 <213> A.fumigatus

<400> 8960
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 gccaaactacg ccatgtctgg tcccgtaacg tgcctttact tctccgagaa cggcacgttc 180
 cttgctgcag tggcagataa ctgcactgtt ctgtccatct gggatctccg cagctcaaaa 240
 gagatcaagg ttctggagac gggtagccag atcgattcta tctgctggga ttacactggg 300
 cagttccttc taactgggtg ccctagcggg gtgactgttc agcaatactc gaaggcgtcc 360
 aaagaatggt cagagccttt acgcagcgcg gtgccagcag tggcagtggt ttggggctct 420
 gctgcccaga gcattgtggt attgaacagc gaaggtggag ttacagtttt gacagcccag 480
 gagtcattga 489

<210> 8961
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 8961

gacaagtata	cagatatcac	gctaaaccgc	ttccggactt	ccttatgcc	tattttttctg	60
tcatcaatct	tgctgctgtt	attattagac	tcatgctccg	tcccatcac	caaaagctct	120
cgtggctct	tcttcacg	cctccccag	ctcagtttat	tatctagaat	ccagtacaac	180
gttaatcata	ctcttaaagg	aatgtctttt	tcctctggag	ccctgcgac	ctccagcacc	240
tctacccgag	ttcaattgct	gtcgatattg	catcccgatg	gatcatcact	gggacccac	300
cacaactacc	accaccacca	ccaacagccg	cagtatcacc	gccgccccta	ttcttctctc	360
tcttctaaac	ctgactctcc	tcccccatct	tcctcttcgt	cctcctccgc	ctcgtcaggg	420
gtc						423

<210> 8962

<211> 1494

<212> DNA

<213> A.fumigatus

<400> 8962

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ataatttcga	catgcctaaa	ccaaagcggc	gaaatacagg	ccagcaagga	gaccgggggt	180
tcatacctgg	tcgaggaaga	ggcagcagat	ccattaaatc	ccacgtcaat	tcacccgata	240
cacaagacaa	caactcccg	tctccagcaa	ggagattcga	atttagtgct	agttgagctt	300
ccatctcgtg	ctaagcaatt	taggttttac	tcacgattat	taagacatct	cgtggcagag	360
gtggatacag	gaatgttttc	tcgggaggac	gaaagtgcga	tctcaatgta	ctcgtctgct	420
gtcctgactc	gattgagtg	aatacagctg	acaaaaaaca	ccgaacagaa	acctggagac	480
tcgcaggaac	caggaattat	gtctacaggg	aatgtcaatg	cctctgtatc	caaaggcctc	540
gacagcaaga	cgagcaatac	cttttccaat	gcttaccaga	ccggcagttc	aaactgtgaa	600
ggcgaaggga	atatcttcac	caaagtgtgag	aatccacttg	ttccaagact	ttcatgtgga	660
cagactgcct	ccaataacta	tctagcatac	catagttctt	cgttcaagcc	caggctagaa	720
gaaggccttg	ttctatcccc	ccagtctcta	caactcgttc	ccacgaagaa	gagcttctac	780
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gcgtttcagc	gtcttcccg	cgagctacgt	tggagaatct	acgacctcgt	gtttgacgtt	900
caccgagtcg	aagtccctcg	tttgccgggac	aagaaccag	aaaataacat	taagagagtc	960
cattaccgcc	tctaccatcg	tcagctgcga	cctcgagatc	caagaacaca	tggtgcaccc	1020
tcaaatagaag	gacgctttac	ttgtgctccc	ctccccatcg	cgcttctgat	cacatgtcgc	1080
agcatctatc	gtgatacgtc	gtgctgttcc	tactccagga	tgcagttcat	attcaacacg	1140
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aagtgcacga	gcgacatgtc	gtggtacaat	gcctgcgatg	acctgactgt	ctactgcaaa	1320
tcgctgcgtg	tccttcatat	cagtatgaat	attcgggact	ggcccatcag	tcttcaagtg	1380
ggtagccggt	ggctccttgc	gctgcttgcc	tttgccgcgt	atggaccaag	actagactgg	1440
gtagatattc	gacctcagat	gtttttccaa	aagacggaag	aacagtacct	tgaa	1494

<210> 8963

<211> 1545

<212> DNA

<213> A.fumigatus

<400> 8963

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tatcagaactc	tgctccgtgc	gaacatgcc	gctattattg	tcgaacgata	tcgcagcggt	120
caatttgcca	gtaatgcgct	gtctgaagct	atttatctga	aagcgttgca	acgtgtcggt	180
ggcgccgatt	ccgcaacggc	agcaccgcgc	caaagtcaga	accagcatct	cacccccgac	240
cagctgcagg	ccgttgggtc	agccgtcgcc	gctcgggaatc	acggtagtca	gatcggactg	300
gcgacgaagg	aatccgggtac	gggtgctaag	gataatcctc	tgcatgtggt	tgtcgaagag	360
tcgctgggca	gctctgtctt	tcgatgggtc	aaatttctgc	tcgttttcgg	cttcttctact	420
tacatctctc	ttgtcgtgat	caccattctt	gtcgaaacaa	ccggtgtctt	gaagaatatc	480
aagggtccac	agagcaatga	gggtcaaccc	caacagcaaa	cggttcggtt	ctccgatgta	540

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catggttgcg acgaggccaa ggaagagctc caggaacttg tccaattcct gctgaatccg      600
gagcgattct ctccctcgg tggcaaatta ccaaagggtg tgcttcttgt gggacctcct      660
ggtacaggaa agaccttgct tgcccgctgt gtcgctggag aagctgggtg tccattcttc      720
tacctgtctg gttccgaatt cgatgaggtg tatgtgggtg tggcgccaa gcgtgttcgt      780
gaactttttg cacaagcccg gagcaagtgc cccgccatca tcttcattga cgaattagac      840
gccattggtg ccaagcggaa tgagagagat gcagcttatg tgaagcagac tctgaaccag      900
ctgcttacgg agcttgacgg attctcgcag accagtggag tcatcatcat cgccgcaacc      960
aatttccctc agctgcttga caaggctttg acacgacctg gcagattcga tcgcaagggtg     1020
gtcgctgacc ttccggatgt ccggggctcg atggacatat tgaagcatca cctgaagaac     1080
attaagatca gtacagatgt cgacgttgca gtgcttgac gcggcactcc tggcttttct     1140
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cctaagggtg gacccaagga cctcgactgg gccaaagaca agatcatgat gggcgcgagag     1260
gctcgcagca ggattattca agataaggac aagcttttga ctgcctacca tgaggcaggt     1320
catgcgctcg ttgcttattt ctctccttcg tctacgccat tgtacaaaat caccatcggt     1380
ccccgcggaa tggcgctggg agtgacgcac tttttgctg agatggacat ggtttcccgg     1440
aattacacgg agtatctgtc cgatatcgac gtctccatgg gccgaaaaag caacgaagag     1500
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<210> 8964

<211> 198

<212> DNA

<213> *A.fumigatus*

<400> 8964

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ttgctgcggc ctagtgcgcg tctgactcga gacaactatg gctttccaag tcccggctct      60
aagaccggta agggtcctca tatttcttgc gcctcctatg ccatctattc tgactttccc     120
ttctccacag aatcttgctg ccgtcacttc cgatctctgg ccatcgatgt caaagctatt     180
aaatgcgccc tgggctag                                     198

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<210> 8965

<211> 738

<212> DNA

<213> *A.fumigatus*

<400> 8965

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caagactttg aaagtctgag aatagactta ccgcgaaaa tcccacttgt aacctgtcag      60
gcccgaiaacc agctcttctg tgctttttcg gcccatggag acgtcgatat cggacagata     120
ctccgtgtaa ttccgggaaa ccatgtccat ctccaggcaa aagtgcgtca ctcccagcgc     180
cattccgcgg ggaacgatgg tgattttgta caatggcgta gacgaaggag agaaataagc     240
aacgagcgca tgacctgcct catggtaggg agtcaaaagc ttgtccttat cttgaataat     300
cctgctgcga gcctctgcgc ccatcatgat cttgtctttg gcccagtcga ggtccttggg     360
tccaacctta ggcttcttgt ttctgctagc gtaaattggcg gcctgggtga ccagattctc     420
cagatcggca ccagaaaagc caggagtgcc gcgtgcaagc actgcaacgt cgacatctgt     480
actgatctta atgttcttca ggtgatgctt caatatgtcc atccgacccc ggacatccgg     540
aaggtcgacg accaccttgc gatcgaatct gccaggctcg gtcaaagcct tgtcaagcag     600
ctgagggaaa ttggttgctg cgatgatgat gactccactg gtctgcgaga atccgtcaag     660
ctccgtaagc agctgggtca gactctgctt cacataagct gcattctctt cattccgctt     720
ggcaccaatg gcgtctaa                                     738

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<210> 8966

<211> 1248

<212> DNA

<213> *A.fumigatus*

<400> 8966

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ttggctgact ctttcaagaa cttttacatg tactttcacag agaagcggca cgatacgaac      60

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ggcatcccaa	gagaccag	tggaagctgg	cccagtcagg	attggcgc	gaaggatcgt	120
ttgaagacag	tttcggctgc	cctcgccatc	tgcttgaaca	tcggtgtcga	ccctcctgac	180
gtggtgaaga	cgaaccatc	agccaagttg	gaatgctggg	tgatcctac	atcgaccacg	240
ggcggtagcc	agaacaagat	aatggagcag	attggaaaga	agttgcagga	gcagtagcaa	300
actctcagct	taagaactag	atacaagcag	tatcttgacc	cttcagttga	tgagacgaaa	360
aagttctgca	tttctctgcg	ccgtaacgct	aaggatgaga	gggttctctt	tcactacaac	420
ggtcacgggtg	ttccggttgc	tacacaatcg	ggagaaatct	gggtgtttaa	caagaactat	480
accagtagca	ttccagttag	tttgtatgat	ttgcaatcct	ggctcgtg	tcccagttct	540
ttcgtttttg	atgtttccca	cgcagggaac	atcgtgcaga	atttccacat	ttttgtggag	600
aagcacgaaa	aggagaacct	tgaagccaaa	aagcgtgac	caaatgccgt	ggttcagaac	660
tacggggatt	gcacccctct	ggcagcttgt	cagaagaacg	agtcactacc	taccaatccc	720
gacctccccg	cagacctttt	cacctgctgc	ctgaccacac	cgatagagat	agcactgcgc	780
tacttcattc	tccagaatcc	cctccagaca	aatctctcaa	ttgacgaatt	cagagtccct	840
ggtcgtttgc	aggaccgcag	aagccctctc	ggcaggttga	actggatctt	caccgcaatc	900
actgacacca	ttgcatggaa	cacattgcc	cgggcattgt	tcaagaagct	tttccgacaa	960
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tacaagtgtc	acccgatata	ctcaccggaa	ctcccagaga	ctcatcatca	tccgctttgg	1080
aaaagctggg	atcttgctgt	tgagatgggt	ctatctcagc	taccagctct	cattgaccat	1140
gaagaaggcc	gcagacaata	cgagtaccaa	cattccactt	ttttcgcgga	acaactcact	1200
gcttttgagg	tctacctcaa	aagttttcac	cagccgcaga	aaacaaca		1248

<210> 8967

<211> 417

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (207)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8967

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ttctgcccc	agtatgcgcg	gtcggcgag	acaatattga	agagcttcat	gcaaactgtg	180
gcaactccgc	gaaagaagac	gggacgngaa	gcaccttcga	gcttctttga	aatgggcgtg	240
attgtgacaa	acgagccgtc	accgtttacc	tcggatgatg	gcggcaatgt	aggatacatg	300
accttagatg	taggcgctag	gatagccgtg	acacgaccat	acttctcacc	ctggcgagac	360
aattcttcgt	tcaattgttc	aattttcgcc	acgtcactgt	cccatgtacg	agggtag	417

<210> 8968

<211> 558

<212> DNA

<213> A.fumigatus

<400> 8968

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acggagcgca	acctcgtttc	tcatatggcg	cgctttcgtg	agaatccttt	tgacttcttg	180
cgggaagtta	gtctctacat	gtcgggaaca	gggtggcgcg	catacaacga	tgtgatcgga	240
cagcctatat	tttaccgccg	gttctcggaa	cgaatcaagt	ccagcatcct	tgccagtcca	300
attctgcaag	cgaagggtcaa	ggaattagca	gaaatgcgcc	ttgcggtgga	ggaaaaggaa	360
gggcttctac	agatggggca	ggccccgta	tcaagaaga	aaaagcagcg	ccgggctgag	420
attgagagca	atttgaagga	gggtgttgac	acaatgatgg	acaacatgat	cttgagatg	480
gagagtaaga	cattcatccg	gggggcata	tatctttgca	cccaacttct	tacacggggc	540
ctatcatcag	ggttaaag					558

<210> 8969
 <211> 396
 <212> DNA
 <213> *A.fumigatus*

<400> 8969
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 gccttgaaag cagctgaaga cgcatacctg tctggcaaaa ataaccgcaa cgaaatcttg 120
 gatgccgcca atcgcatgac gcagaaggta ctgcggcagc agcaggcttt gaagcccaca 180
 gaaagggcac tttacgaggt tgattatata tcccttgagg atcctgacac tttggatgaa 240
 ttggagggtg ttgatccctc gagagggtgc atcttgagtg gtgcaatcaa aatggctcct 300
 ctagagggtg caaatcccgg tgaagattgc ggacttggtg atgggaagggt acctgttcgg 360
 ctgattgaca atctgatctt gacgccccgg gtttga 396

<210> 8970
 <211> 783
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (513)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8970
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 ctccggaaga tgcgccgaca actgctgctg tcgaacagga ctgtaggcct cgttcccaca 180
 atgggagctc tgcacgaagg tcatctctcg ttgatgcgac aggcagcagc ggataacacc 240
 gacgtctttg tcagtatcta cgtaaaccca actcaattcg gagtcaatga agatctagcc 300
 agctaccctc gtacatggga cagtgcgctg gcgaaaattg aacaattgaa cgaagaattg 360
 tctcgccagg gtgagaagta tggtcgtgtc acggctatcc tagcgctac atctaaggctc 420
 atgtatccta cattgccgcc atcatccgag gtaaacggtg acggctcggt tgtcacaatc 480
 acgcccattt caaagaagct cgaaggtgct tcncgtcccg tcttctttcg cggagttgcc 540
 acagtttgca tgaagctctt caatattgtc tgcgccgacc gcgcatactt tgggcagaaa 600
 gacgtccaac aaacagctct gatcaagcgg atggtgaaag acttccatat cccgacggag 660
 atcaaaatcg gtgctacagt tcgcgaaaat gatggactag caatgagttc gagaaatgtt 720
 tacctggggg tccagacgac gtgccgttgg tcttgttctc tacaacgcct tgaaagcagc 780
 tga 783

<210> 8971
 <211> 627
 <212> DNA
 <213> *A.fumigatus*

<400> 8971
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 aacttctccc tcggtgataa caatatcatc caacgggaaa cgaagctcaa gggcgggaaca 120
 tggcgggacc ggctcagcgc aaagaaaatc gccaaagcacc atgccaaagg ccccaggaca 180
 gccggcgatg aagacagcgc acctagagcc ccgcgcaatc ccaatagaat cgaagtacca 240
 tcgtcgcggc cgaccaagag acagaggacg gacggaggcg atagcggaaa gcaacagctc 300
 cacgggcac cgcattccaa tcaaccccg ccaattcattt cgctcgctgtt cacgaaaaat 360
 ccggaaccgc agaaagctga agaagtgaag gaagaagggc acgtcgagaa cgctaaaccg 420
 acaaacgcgc cgctcatcga tggactagac acatttataa atctagggtc gtcgccgaat 480
 ctggccgcgc atcttcttac gaagctggag ctgaaggctc caacagctat tcagaaggcg 540

tctatttcac aacttctgaa ggaagagggc gatgctttta tccaagcgga gactgggtct 600
tcaccggggg ctgaaagagc gtcagta 627

<210> 8972

<211> 867

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (839)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 8972

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atcgccgaaa	gcctctcccc	ggtacgggaa	acggctctca	tcttcgtgat	atgcatggcc	180
caattcatga	cccaggccgg	gctgggtagc	caactggccc	cgctgaccat	catcgggaac	240
tccttccaca	tcaccgacaa	cggcctcctc	agctgggtcg	tcgcgggcta	ctccctgaca	300
gtgggcacct	tcctcctctt	cttcggccgc	tgccggcgact	gcttcggcta	ccacaccatg	360
ttcgtgatcg	gctttgtctg	gttcggcatc	tggtccatgg	tcgccggcgt	cagcgtctac	420
agcaactccg	tgctgttcat	cttcgcgcgc	accgcgcagg	gcctcggacc	cgcgatgctc	480
ctcccgaacg	ggctggcgat	tctgggagcg	acgtaccggc	ccggccccga	gaaggacatg	540
atctttgcca	tcttcggcgc	aacggccccc	aacggcgcca	tcctcggggc	cgtcttcgcc	600
gcgctcttca	gccagctcgc	ctgggtggccg	tggacgttct	gggcgactgc	gattgtctgc	660
ctagtctctg	cggcgctggg	atggggcctg	atcccgcgca	tccaccacga	gcgcgagaag	720
cacgggcatg	actctgtcga	atggatgcag	gagcttgaca	tcgtgggggc	gtgtctgggg	780
tgggggggct	tgatcttcgt	gacgtggccg	ggaaccaggc	gccattgtc	ggctggccna	840
cggcgtaagt	gtacctgcct	gttataa				867

<210> 8973

<211> 516

<212> DNA

<213> A.fumigatus

<400> 8973

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tcttggcggt	gcgcctccac	ctccgcacca	gccgtacacg	gttcatcaga	gcccataatgc	120
gccagtgtcc	atgccatcac	ctcatccgtc	ccatacaccg	ggccctctac	cgtacgcctc	180
ctcagcgtca	cctccaacgg	cacaagcgac	tatcgctcgc	caactctctc	aacactctct	240
cagcgctttg	aacggaggcc	cgcctccgcg	aatgtatcct	gtggatcgca	tcctcagtgc	300
cccgaacaaa	tcgccccag	tgctcgagtc	gcgtatggat	ccccgggggc	cgtcgctctc	360
tggcaagacg	gaagacacgt	ctctcagtgc	cgcgggagga	gcgatgagca	ctggcaggag	420
ttcggggagtc	aatggaacgc	acgggggatc	tggggcgagc	gccagtccat	cgttaaaaaa	480
tctactttcg	taacatgggg	tatcaggcta	cggtga			516

<210> 8974

<211> 894

<212> DNA

<213> A.fumigatus

<400> 8974

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ccggagcctc	gaccgtctcc	ctactcagcg	cagcggccag	tgctgcccgc	cccgcggatc	180
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gctctccoga ggcgcgttaa tggccctctt gctcatggga ctgaatggta tccggcccat 300
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taccacggag gaccaccccc cgtccagact catccctta atggctttca acatccgacg 420
ccacctactc atcccgctcc tctctctcca ccacctcatt atcctggcgg tgcgcctcca 480
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tctctcagtg ccgcccggag agcgtatgag actggcagga gttcgggagt caatggaaacg 840
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<210> 8975

<211> 582

<212> DNA

<213> A.fumigatus

<400> 8975

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gttcaatcct cccatccttc caagtccgat cagctagatg agctgtacac ggggtgacttc 180
gatcagggcc cacttcttga ccttgggagt tctcattatg tgtcacagat cgccgccgtc 240
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cgcgctggca tgaatagtag tcgcattgct gaagtactta atcttcgccg gtcgctacct 360
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gagattgtgg acctgatcac tgccggtcgt gttcgctcgt tgatcgttcc aggaagaggg 480
actgatgcgg cggggccttg cgattgccta gttctaacag aggactggga aaggctggtg 540
cgggaaagca gtgtcttgga ggcctcagtt aagggttaagt ga 582

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<210> 8976

<211> 231

<212> DNA

<213> A.fumigatus

<400> 8976

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gagagtttcc tgtttgccga ggtgatgaag tacgcgtact tgacgcatgc accaggtatg 180
agctcaatgc cagctgcggc ggaggataaa gctaacaaga gcagaggatg a 231

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<210> 8977

<211> 600

<212> DNA

<213> A.fumigatus

<400> 8977

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aatggcgcac acaccttgaa agctggatac gcacccgggt ttccacctcc cgaagattta 180
ggccaggctc tttcagcctg cagcacaatc ccgaatgcc a ttgccaaaac acgcgggaac 240
cgtatctaca ttggtgcaca actcaactca caagttaccg actggaacga gatgggtttc 300
aggcgtccag tggagaaagg atacattgtc aactgggaag cacagaagga aatatgggac 360
aacgcatttt tcgacgagaa gacgggtgag tcgaaagatc ttcggattga atctccagaa 420
gatacaacgc tcgtgctcac cgaggcgccg aacgctctgc cgaccctaca aaagaatgct 480
gatgaaattg tgatggaaga atggggcttt ggcggctatg tgagatttgt aggtaagata 540
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<210> 8978
 <211> 765
 <212> DNA
 <213> *A.fumigatus*

<400> 8978
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 tctccgatct cgccgaagca atgcttactt gtcgtcgact ccggctactc tcatacaaca 180
 gtaacaccag tttaaaagg gcaaccatc cagcgcgcca ttcggagact tgacattggg 240
 ggcaaacatc taacgaatta cctgaaagag atgggtgtcta tgaggcagta caacatggtc 300
 gatgaaactt acatcatgaa cgagggttaag gaggctgtct gtttcgtaag caacaacttt 360
 gctggtgact tggaacagac atggcagggc aaccgaaaac ggggcttgac ggacgcagcc 420
 gaagggatca cagttgatta tgtgctacct gacctaaca caggcaagaa gggcttcacg 480
 cgaccgcatg atcctctttc gaatgcgaag aagaggaaga gtattctctc tggcggcaat 540
 gctgaggctc tgtccgaaga cgtgctgatt ctggggaatg aacgctttac tgtgccagaa 600
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 cagagtcttt cagttctgcc taccgggtcta catccgtcgt tcctagcgaa tgttctgggt 720
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<210> 8979
 <211> 183
 <212> DNA
 <213> *A.fumigatus*

<400> 8979
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 acttaccaca tgcttcagat gagaaaaccg ctgcgtcagc ataactccca gcgcactgta 120
 acttggatgc aatatcttac cgacaattcc acccagagca caactcagaa agtatttcga 180
 tga 183

<210> 8980
 <211> 708
 <212> DNA
 <213> *A.fumigatus*

<400> 8980
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 tccaaggaag gcctacgcgg cgtgttcttc gggtggctgc ctaccttcac cggatactcg 180
 ttccagggcg caggcaaata cgggctctac gagtatttca agtacctgta tggggaccat 240
 ttgttcccca gcataaaccg cacgggtggtg ttcctaggcg cgagcgcac cagccaggttc 300
 ttgcgccgaca tggccctctg cccgttcgaa gcgatcaagg tgcgcatgca gaccaccctg 360
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 ggggggtctgt acaaagggtc gtaccgcgtc tgggcgcgac agatccccta caccatgacc 480
 aagtttgcta cttttgagga gagcgtgaac atgatctacc ggacgctggg aaagcccaag 540
 gagagcttca acgcgctgca gcagacgggc gtcagtttcc tgggaggcta cattgccggt 600
 gtatttttgcg ctgtcgtcag tcatcctgcc gatgtcatgg tcagcaagtt gaatgccgat 660
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<210> 8981
 <211> 195
 <212> DNA
 <213> *A.fumigatus*

<400> 8981
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 tctggctctgt ggaacggcct gccgggttcgg atcgtgatgc ttggtacatt gaccggcttc 180
 caatggctca tgtaa 195

<210> 8982
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 8982
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 ctatatgcgg ccagtcgcga accaacatta tacgagatac tcgatgtgcc agtaaccgcg 180
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 cctcatctac catatttttc tactctctgc accgctaacg taaccgcgat catcagaaaa 300
 ttctactccc tctccctcca tcaccacca gaccgcattc caggcgacc gaaagcctcc 360
 tcccgccttg cccgcattct atcggcctac caagtcctca gcaacagcgc caagcgctcc 420
 gcctacgac gcgaacacgg catctatgcc caacatggct cctcgacgca cagcaacgca 480
 aaccccagcc aacacccgat gggtagccac agcaacttcc gggcaaattc tcataccaag 540
 ggcgcctttt atgcgggatc cagaaaacgcc aagggccta 579

<210> 8983
 <211> 930
 <212> DNA
 <213> A.fumigatus

<400> 8983
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 ggtcagacag aagctggtga ggcagaagat gactcggacg acgagaagga agatggaaat 180
 actgctccgg aggcgggtgc aggcggaggt gcgtacctac acgtctgggt catatttgac 240
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 gaatataaga atgagaactc ctatcgaca accaacgagg agaagcggtt tctggatcgc 480
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 gaggatgcag tgcgtgctct gactggtcac cagggacttg aggaagggtga taacctcaag 660
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 aatgctggca ataagatggt gttgcagcaa ggggatgtga tgaagggtga ctttggtgct 780
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 agcttcaagc tatcgaggat ttcatactga 930

<210> 8984
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 8984
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 cagattatc ctccactctg tgatgtcaaa ggttcataca ccgcccaatt cgaacatgta 180
 tgggaaagac ttacaccctg a 201

<210> 8985
 <211> 585
 <212> DNA
 <213> A.fumigatus

<400> 8985
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 caggaagccg gtatcgatgt gcgtatgagc gacattggtg cagccatcca ggaggccatg 180
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 aacggtcaca atatcgatcg gcacattatc cacggcggca agagtgtgcc cattgtgaag 300
 ggcagtgacc aaaccaagat ggaggagggt gaaaccttcg ccatcgagac cttcggtagt 360
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 ttccggaatat gcttacccca tattttttct gcagatggaa acgtcccaact atgccctgat 480
 ccccgatgcg ccttcgggtcc ctctcagact ctcttctgcg aagaacttgc tcaatgtcat 540
 caacaagaat ttccggcacac tgcccttctg ccgtcgggtat cttga 585

<210> 8986
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 8986
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 cagatggaaa cgtcccacta tgccctgacg cccgatgcmc cttcgggtccc tctcagactc 120
 tcttctgcca agaacttgcg caatgtcatc aacaagaatt tcggcacact gcccttctgc 180
 cgctcggtatc ttgaccgact agggcaggag aaatatctcc ttggagtacg tcaatactct 240
 gccggttccg gtgcaatctc ctctcttcta cagtactga 279

<210> 8987
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 8987
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 aaagatgctg cttccctcga taaggacttg atggagatgg gtggatggtc cttggacca 120
 ttgatggaa tcgcggggct gtccgtttcg caggcaggca tgtggtcaag tcatggagca 180
 ttacaagcac aaaataagaa taaccagagg ctaacacact tgcgatag 228

<210> 8988
 <211> 450
 <212> DNA
 <213> A.fumigatus

<400> 8988
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 ccagacttca ctgaggctct caaatccgct gacttcctcg tcgacgccat cttcgggttc 120
 tccttcgggg gtccctctcg ggaaccgttc ccatccatca tctctcagat cgagtcgtcg 180
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 aaggagggtc cgggatccaa atttatgcc aaggcgtgga tcagtctcac ggcccaaaag 300
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 gttggcggtg atgctgaagg gcggtctata 450

<210> 8989
 <211> 303
 <212> DNA
 <213> A.fumigatus

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 cttgatcgct cacgggcaaa gtactggctt ggtgttggcg cacagcccag cgaaagtgtg 180
 tggcgtttat tgaatttggg acgtgggtgg caagcttcag aaaatcgaag ctctttgctg 240
 actgggacat ccatgttagg ctgggtctgt tcaacccaag tcctaattgg cccaaaagaa 300
 tga 303

<210> 8990
 <211> 294
 <212> DNA
 <213> A.fumigatus

<400> 8990
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 tacgaaggct aacgattcag aatagtaaaa atgggtgtca gaatacgtct ttctcgcttc 120
 ggcaataggc accagccatt ttacaacatt gttgttgcac atgctcggta tgctcttttc 180
 cttttgggtg ttcaattttt cttttctctt gaattgttct actgcctgcc atcagcatct 240
 agattgagat tgacggacaa tcgccaaccc agtgactgtt tagaaaagtg ctaa 294

<210> 8991
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 8991
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<210> 8992
 <211> 792
 <212> DNA
 <213> A.fumigatus

<400> 8992
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 cccaaccgcc taggaatcgg gtctatgtcc ctgggcccgc caggaatcca cgacctgcc 180
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gccctcgc	at	ggggcacc	ca	cgtctcc	acc	tgggag	caag	cctggg	ccgc	ggtgtc	gcgc	660
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gcggacc	cag	cagacc	ctc	cggcaaa	aca	ccccac	gcag	aggcgg	atct	cgccgc	ctcg	780
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<210> 8993

<211> 657

<212> DNA

<213> A.fumigatus

<400> 8993

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ccattccag	ctt	caacgg	c	tgccac	ctcg	ccgccgc	gca	cgaggtc	ccgc	cggtctg	tcg	180
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accgcacgc	a	accgag	cac	ctcctc	accg	aaaagct	ccc	caaattg	gttc	cagatc	gccc	300
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ccggcgcac	c	cgcaact	acc	ggcgact	tgg	atgtcat	cg	ctccgac	ctc	cagcgc	atcg	420
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gcaccacgt	c	ctccacct	gg	gagcaag	cct	gggcgc	cggt	gtcgcg	cgcc	aaccgc	ccca	540
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<210> 8994

<211> 588

<212> DNA

<213> A.fumigatus

<400> 8994

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agccagc	agc	ggggcc	cg	tcgc	ctca	gctgc	ag	aca	gaac	actt	cc	cctct	gtt	cc	180
cgccatg	ctg	gcggca	atcc	ccaa	accc	gcgc	gcc	atc	atct	gc	accc	caa	acc	actc	240
ccacgtcc	ct	atcgca	acag	agct	gctct	ccac	ggc	atc	cactt	ctct	ca	ccga	gaa	acc	300
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cgcccac	ctg	actgtc	ctg	ttgg	ccacca	ccgc	cg	ctt	cc	aat	ctatg	ttcg	ggc	agc	420
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<210> 8995

<211> 339

<212> DNA

<213> A.fumigatus

<400> 8995

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ctggtg	ggccc	tc	gtc	gaccc	agcc	agc	agc	agc	gggg	cccg	tc	gcct	caca	gctgc	agaca	180
gaacactt	cc	cctctg	ttcc	cgccat	gctg	gcggca	atcc	ccaa	accc	gcga	ccgc	gcc	atc			240
atctgc	accc	caaacc	actc	ccacgt	ccct	atcgca	acag	agct	gctct	ccac	ggc	atc				300
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<210> 8996

<211> 762

<212> DNA

<213> A.fumigatus

<400> 8996

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cgcagagtaa	cactagtcc	ctctttcctt	ctacaggctcg	ctatgctggt	aatcactgcg	360
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cattggagcc	aggaagcgcc	tatcgtgctt	ttgagtatcc	agtctgcagg	tcagatcgtc	480
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gatctcgtgt	cggacccaaa	gctgtttctc	cttcgcaacg	agaagcggga	ccgacgaatg	600
gtagcgcttcg	ttctgacact	gatcgggtgca	attgcgggag	gatggatcac	caaggcgaca	660
cgcgatatct	cgctgtgct	gtggatggct	gctggactaa	agttcataat	ttctgtttcc	720
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<210> 8997

<211> 237

<212> DNA

<213> A.fumigatus

<400> 8997

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gtgcatgaac	ccatggtcaa	gtacggggccg	gatatacact	gctcgcatat	tgggccgacg	120
gggggtgact	actgcgtgga	cgatctatcg	tatgaacagg	tgggtgctgga	gaagtatttc	180
cgggactcgt	ttattgcgta	tgggcatggt	caggagcaga	atatctgggt	tgcataa	237

<210> 8998

<211> 468

<212> DNA

<213> A.fumigatus

<400> 8998

gtccgagatt	gtgttccgca	agatccagaa	cggccaactt	gttactacco	aaacatagtt	60
ttacagcctc	caggtagttt	gtctggcagt	acgatactgt	attttccctt	ctttgagagc	120
tttactcctg	ctcggggtag	actgggaatg	aagcttttga	ttatgttgct	taagacctgg	180
atgattttaca	cggttccgaa	tccaaaagcg	ccaaaaagcg	ccacctataa	cgcaaccaag	240
agcttgaatg	acgaccgccc	ctgggcaata	gcacgtccag	attgcagacc	aacttcttca	300
cgggcttttt	cttcctatga	gtgcgtcgaa	tgcagacgca	tggcattcgc	ttggcctgcg	360
gattgtatgc	tgtatcacgc	tagctacgat	aagggtgtcc	tgagccagg	cttctacggg	420
gaaggatcct	cgtcttacac	cgccgggatg	gaaagtcac	gctccgcc		468

<210> 8999

<211> 300

<212> DNA

<213> A.fumigatus

<400> 8999

cataattatc	agattataat	cttcgctaaa	ctattcgagc	tggatcaatga	gaaggggtgac	60
gatggcgccg	agactgcac	tctagtgcc	agtggcttgg	ctaagcgctg	ccggagaatc	120
tgtgcacag	aaggcggctt	tggcttcggg	gttattcggt	gcactcgag	aggccagaga	180
ccaccttgga	ttgcaggttt	gatagggcgt	gcagctcacc	taagcggttc	ttccaacaat	240
gagtcggaga	ttgtgttccg	caagatccag	aacggccaac	ttgttactac	ccaaacatag	300

<210> 9000

<211> 537
 <212> DNA
 <213> A.fumigatus

<400> 9000
 ggcgcggtc cttccagccc cgtggtgaag accgtcattg aggagcaggc cagagagcctt 60
 cctcgtcttc ctactaatct tgatgtctca gagcaggatc gcaccttaaa cgcagttaat 120
 gaccgcttgt cccagtgtgc atttgacttt gttgccaaagt accagttccc catccccttg 180
 gaagcggaca aaagagaggt gagaattccc tcggaccgag aatggaccga gtgggtatat 240
 ctctgaaaa ggctggccac caagcgccgc atacctgcc gggttcttta caatggccaa 300
 attaaacaac tagtgacagt attggaaaat tccttggaat tgagacatgc tgccaaacat 360
 cagtccagac ccatcaaaga tgatcgcaat gtgctccagc tcatctcggc cggcactcag 420
 gttgccaaaga tgcttaaaga tgccagtgc atggaatatc tggacaaaact ttatgttgat 480
 accgagaaac gcacccatga gcggcgccag cggcgcggtga aattcgccag tccttga 537

<210> 9001
 <211> 219
 <212> DNA
 <213> A.fumigatus

<400> 9001
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 atcatctcta tcttgatggc tcgtagcgt actgtcgact tgcgcagccg gaccggtcgt 180
 gcccctcgtg ttgctcgccc tagcatggct caggtctaa 219

<210> 9002
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 9002
 caagcgagta ctatgcagtt cgtctttctca ctgcttgtca tggccttgat cggtaacatc 60
 atcgccatgg cgttcgcagg caaccccgcc acgatcaact acagcatgtt cactgccaca 120
 ttctctatca tatcgtgtt ctacctgtc cccgcctcga tcaaccttaa ctgggccatt 180
 caccatcatca tcatgatcgt gtcgatgtt ctgaacaaca tcttcttctt gacctgtgag 240
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 ttgtga 306

<210> 9003
 <211> 798
 <212> DNA
 <213> A.fumigatus

<400> 9003
 aggggtttga ttagtagcac caccgtcgga cctccagccc ccgtggtgaa gaccctgacc 60
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 accgatgaag ctaccgaagc agctgacgat gcgccccctc ttgccacccc gctcgtcagt 180
 cgtcaaacca agcaacagcc cctggatgct caagcagccg atcaggcacc ctacgcgcct 240
 gtaagtgcgc ggtaactggg tccggcttcc gccggtttag atcgcccccatt ggatttcagg 300
 tcccctggcg cgatcaacct gcgtgaggtg ttcatgtctg gctacgcggg acatcgccaa 360
 gaagaggaag gtaagcggcg caagaatttc cgacaaggat atcggggtgc caatccgacc 420
 accgggttcc agtcggctct gaacccctg aacgaggaca acgacgatga tgaagaggat 480
 gacgtcacat tacaacacgt gcagaacgac gcctaccgag cggcgaagat ccccaaagcc 540
 tctcaggacg cgggagatgt tgcagctatg gaagccaaat tacggtcaac gaacttggga 600
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acccatagtg cgaacgtcgt ggcagccgcc aagcagagta tcaaccggca ctgcgggcaa 720
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 ggtcaagctg tcgtctaa 798

<210> 9004
 <211> 2109
 <212> DNA
 <213> A.fumigatus

<400> 9004
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 gctttttgcgg ataggttgga tcgcttcaat caaaaaggtc gcactgacga tttgggaaat 180
 taccaagctg catatcaatt ggtgaagagc taccaagttc tcgctcaaga tgcgatccag 240
 gatatcacga agcagaatac cttgaagcgc gcgaaaatgg gctggagcac aagtcgaacc 300
 aacggcacccg catcgcatga tcccaagata gaggaggaac tgcaacgggt acagctcgag 360
 gcaataactt ggcagcttct tctcaacctc atcagcattg atgatcccc aagcaaagcc 420
 agctgcaaga aagcgcaaga gactgttttc cagaagctcc atcggtactc gtctgatcgt 480
 gaagtctggg agagcttctc cagcgctgac cactacgcgc tcgaatgcgt gattatcatg 540
 aagtggctgg agcgcacggc gacgaccacg cctcaggata ttgattcgct gatctccgag 600
 cttgaatcgc aggcggaacg aggacagggg cactggacac atggctggct ctacacgaag 660
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 gatccggatg ctgtgactcg gcagaagcag cacctccaga agcaggatca gttctatgag 840
 cgcgcgactt ggatgacctg ctggaagatg ttgcgcacagg gagagaactg gaccaagatc 900
 cgggattggg ctgaggaacg actggaaaac tgggaaggctg tcagtttatg tggctccagt 960
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 aagggcaacg aacgcattgg agtggaggcg cgcaaccggt accgcacgat tcaagctgcg 1380
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 tcgctttctca tcgcgcgcca ggacgacgat gacatgcgga ttgcgacgca tctttacatc 1560
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 aatggtatcg gttacatcgc aaatctcgag gatgctggca tctacgaggc gataccgctc 1680
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 atcgaggccg tcttggaaga ccagtggaat tggatcagta gcactgtctc tgcagttgag 1860
 cacacaagga cagtgaagcg ctatcccaaa gtcgtccgca gagacgatgg aaccgcgag 1920
 ttggtaccag tcaagacaga ctttatcgga accgagatct ctcgttcaga cgagcggttg 1980
 attcgcagtc tcgagtggct ccgatatgtt gatgggcaat ggggcaggat atgccacctt 2040
 ggcgcttttc tgtatagaaa attttattgt gagtgcgccc ttttttgctg gctacggcaa 2100
 gaataactaa 2109

<210> 9005
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 9005
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 atgagccagc aattgggaca taatatgctc tatgctgtcg ctgaaaatac attaaaagct 120
 atggtgagag atcctgcccc cagagtcaaa accatccaaa tgtcccatat tcctaagcgg 180

gtatccaaag acctgcgcgc agtcccattg tga

213

<210> 9006

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9006

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aatttcatct	acgacacctc	ctccctatcc	tgcgagcagg	cctatctccc	cggtacaact	120
tgcgtcgccg	acagaacaac	cgtctcctcc	cttctcgccg	atttgtgtcac	catcagggtc	180
ccatag						186

<210> 9007

<211> 1173

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (26)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9007

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atccaacaac	aacgccgaga	ggaagccaat	caacgggagt	ttcgagcctg	gcagcgcccg	120
ttcgagggtg	ctgagcggca	aggcggcagc	aaccgggttt	gggacactgc	tgctctcctt	180
gatatcgagg	cgccacgacc	atcacgacct	cgggtcccaa	gagaacctac	ccctgaaccg	240
gaatctcttg	aagagatgag	ggcttggaat	gccttagaac	gagctcgcca	gatagagaac	300
aacccccagt	cagcaagaaa	gcgcaaggaa	ccaacactat	ccccttcgcc	agaacctact	360
gagccggagc	ggaagctcaa	acgtcctcgg	acccgtaggc	cgcaagagct	agcggcccta	420
gctctccaaa	acggcgagtc	ctctagagca	gctgctcagg	cttctgctcg	aatcaatgaa	480
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cctagcggca	gcaattcgca	tggcccatct	gcacccggtt	cggttgctcc	caccgacct	600
agcagtatcg	gtccctcttc	tcccccaatt	tgcctcgctc	cttccaatca	atcttcgcct	660
cgaatttcat	ctacgacacc	tcctccctat	cctcgagcca	ggcctatctc	cccggtacaa	720
cttgcgtcgc	cgacagaaca	accgtctcct	cccttctcgc	cgatttgtgt	accatcaggt	780
tcccatagcg	atgtccgaga	aacaacacca	tgcgatgttg	gatcaagccg	cccacgttcg	840
cgaattccta	gggcagcact	tgggttgaca	gcacggtcaa	atgagagctc	gcccactcgc	900
cctgaccttt	ctctaacggt	caaatcggac	attcaaaagt	tgggttgagg	agcactcaaa	960
ccgtattatc	gctcaaaggt	ggtctcgaag	gaccagtaca	cggatatcaa	ccgtactatt	1020
tcacgaatgc	tatacgagcg	agtggggaat	gcgcaatcct	tagacgccga	gaccaagaat	1080
aactttggaa	aaatcgccgc	cgaggagggt	aaaaaggcaa	tcgatgggtc	ccgagcaaag	1140
gatgaagact	cccttgccga	tagtagctct	taa			1173

<210> 9008

<211> 708

<212> DNA

<213> A.fumigatus

<400> 9008

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cagttgaact	tcgatgaccc	acagcaatac	acaatggcta	aggtcaaaat	cacgacaatt	180
cctgaagccg	atgtttctac	caattactcg	gttggcgata	tcgtgaaaca	ttgctatgat	240
actggctacg	tgtctgagaa	accaggcaag	cacaccggaa	gtaatggcaa	caatacttcc	300

acaatggcct	tcgctgctca	accgactttt	gttgtcaaa	cagagaacgg	cattcagatc	360
actggcgacg	atgccattgt	gactgacgat	gccttcgcaa	ctcctgaagt	ggattttcca	420
actcctgaag	agacagatgg	cactcaaact	cctaatacctg	tggaggcaga	accagttgtc	480
aacaaccatc	cttacgcttt	catggatgtg	cctggcggtg	ctggcggtca	gcagcttgaa	540
cttgaattgt	tccagggcaa	tgacttcgat	ctcaacaaca	tgcaactccc	aattatcgac	600
gccttgccct	ttgatctagc	tgctgcagat	gcattttccac	tgaactatga	cccactggaa	660
gaacctcctt	ttggagcctt	tgacattgat	caatacatca	acgtctga		708

<210> 9009

<211> 1860

<212> DNA

<213> A.fumigatus

<400> 9009

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cagccaggaa	tacacacgtc	atctccaccc	ggggatcctt	tgccccgaaa	ctccaccggc	120
gaaggatctg	atgtgagcga	gcctatatgt	atggacattt	cagagagctc	tgactcggga	180
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acctccatcg	gcgaaggggtg	tgatgtgagt	gagcgtgcaa	ctatagacat	ttcagagagc	300
tctgactcgg	gagatcccga	accacagcca	ggggcacaca	cgctcatctcc	acccagggag	360
ccttcgtacc	caacctccac	cggcgaaaga	tctgacgtga	acgagcctat	acgtatggac	420
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ggaataaaaag	aacgggagcg	tacagagtca	gatgaagacg	agctgggtcg	cgaagagcag	540
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tttgagtgcg	aagttgtgga	aactgagcag	gggcttttgg	ttcgcggaaga	gctatcagat	660
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gacctaatgg	tgcttcgacg	tactgcaaaa	gaggttgagg	aacttcttaa	tgagatgctc	840
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cgacaagtcc	aagaaagaca	cgtggcatcc	ctaccgggtc	cagaacaggc	ccacaaggag	1140
gcagttgaaa	ggcgggcagc	cgaagagtca	ctgtttgacg	gcccactgac	agaagatcag	1200
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gcgcgagatc	ggagcaagaa	cgcgcgcttc	tatgatgagg	ggttgcggaa	ggttgccgcc	1740
gatgagtgcg	tccgcgccgc	aatcgttgat	ggtagcttca	aaattctcat	gagttttggc	1800
aaagacttag	tggtgaccgc	cttccttggt	gcatcagtga	agcaactgct	ccagaaatga	1860

<210> 9010

<211> 438

<212> DNA

<213> A.fumigatus

<400> 9010

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ttgtgggcct	gttctggacc	cggtagggat	gccacgtgtc	tttcttggac	ttgtcgagaa	120
ggtcctagct	cagcagcgcc	tgctgtctca	gtcgtgcctt	cactatgtac	tgggctaaga	180
cgtcctccga	ccgaagagac	gatctcattg	ctgccctcaa	ccatatcttc	taattcgaca	240

gtaagagcct	cggccttgct	ttctagccga	gcgagagcgt	cggtcttttc	cagacttact	300
tggtcttctg	ggacacttgc	gtcttcgttg	gcagcacgca	accctgactt	tccttggagc	360
atctcattaa	gaagttcctc	aacctctttt	gcagtagctg	caggcaccat	taggtcctct	420
tctgtcctaa	gtccttga					438

<210> 9011
 <211> 642
 <212> DNA
 <213> A.fumigatus

<400> 9011						
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atggagggtc	ggggcggaag	ctccctgggt	gcagatgacg	tgtgtacccc	tggttgtggt	480
tcaggatctc	cagagtccga	gctctctgaa	atgtccatac	atataggctc	gtcacatca	540
gatccttcgc	cggtggagtt	tcggggcaaa	ggatccccgg	gtggagatga	cgtgtgtatt	600
cctggctgtg	gctcaagatc	ttccaaatca	gagctctcat	ag		642

<210> 9012
 <211> 426
 <212> DNA
 <213> A.fumigatus

<400> 9012						
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atgaaattcc	ttgcaatcgc	cactctcctg	gcctcagcca	gtgctaccat	cgtctatccc	180
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agcttctaca	agggtagaaa	ttgcgaaggc	gttcgcattt	ccaaggcctc	ggaccagagt	360
tgcgtgaagc	ttccggttgg	ttgggaatcc	tttggttccg	tgcggatcca	cgggggaact	420
tgctga						426

<210> 9013
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 9013						
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ggcgagctgc	tgatgggccc	cttcggacgc	gagctattcg	gcacgggtca	gcttttgttt	180
ctgatcttcc	tcattggccag	tcacatcctc	accttctccg	tggtcttcaa	caccattacc	240
aaccacggaa	cctgtaccat	tgtctttggc	gtggttgggt	tggtggtcag	tttcatcgga	300
gccttgccgc	gcacgatggg	gaaagtgtac	tggatgtcta	tggcgtgtac	gtatcctttc	360
tcggctattg	attcgcagcc	gactgacaat	tgtacagcct	gcacagtat	tgtgacggcg	420
accgtggtga	ctatgattgc	gattggagtg	caagccccag	atcacgttca	cgtgaatgtg	480
accaccaagg	tttctttcca	ggatgccttc	cttgctgtga	ccaacatcat	cttcgcctac	540
agtacgcgct	tttga					555

<210> 9014

<211> 474
 <212> DNA
 <213> A.fumigatus

<400> 9014
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<210> 9015
 <211> 393
 <212> DNA
 <213> A.fumigatus

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 ggactcaacg gtcattcata caatacctgg tctacaaagg atcctcccgt tttttggccg 180
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 aacgccaatg tcaactgctt caccgacgga gcatccaaag accacatcca tcagcatgct 300
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 <212> DNA
 <213> A.fumigatus

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<210> 9017
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 <212> DNA
 <213> A.fumigatus

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 aatccttacg agacaaatcc ggagttgatt ccgcccaccg atccatttct ctctcgaagc 180
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<210> 9018

<211> 978

<212> DNA

<213> A.fumigatus

<400> 9018

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<210> 9019

<211> 720

<212> DNA

<213> A.fumigatus

<400> 9019

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gtccgtgcgg	cccaggatgg	gtgtgaatgt	cgcaaagacc	ttgatcgacc	gtggatcccg	660
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<210> 9020

<211> 747

<212> DNA

<213> A.fumigatus

<400> 9020

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<210> 9021

<211> 612

<212> DNA

<213> A.fumigatus

<400> 9021

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ccaagagatc	acggcggccg	actcggcaga	ggcggggccg	atcgtgagta	tcttggacgc	420
gttcacgacc	acgagcaagg	acatcccgcg	ctggacgccg	cggtggtgg	cggagaaggc	480
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<210> 9022

<211> 765

<212> DNA

<213> A.fumigatus

<400> 9022

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gccctgaccg	cgcgggagag	ggtgtacggg	aagggacagc	gggggctcgc	agcggatcat	720
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<210> 9023

<211> 870

<212> DNA

<213> A. fumigatus

<400> 9023

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cccagccaat	ctctgcttgg	cggacgagac	cccgtcgcac	gacgcccgtc	tcccagtcct	840
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<210> 9024

<211> 201

<212> DNA

<213> A. fumigatus

<400> 9024

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tctcaacaac	caaacatcta	cttgatata	atgttatgta	tgacgtatac	tattcatata	180
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<210> 9025

<211> 357

<212> DNA

<213> A. fumigatus

<400> 9025

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ctcggatccc	aagggtgagt	ttccaacatt	ctgtctcgat	tttgctgtat	ctcaactgac	180
gcataatccta	ggatgttgtt	cgatatccccg	tctgggtctag	aacaagcgaa	gcgtcttatac	240
tcgtcttata	agcaaaatca	tatccctgtt	atgactccccg	agttgtggcg	ggcgaagaag	300
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<210> 9026

<211> 681

<212> DNA

<213> A.fumigatus

<400> 9026

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<210> 9027

<211> 483

<212> DNA

<213> A.fumigatus

<400> 9027

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gccgcgcttg	gatatggcgc	atacagaaag	catgccgaag	gcaagctgtc	ggtgaagctt	420
gttggaaacat	ggactgggtat	tgtagcgagcc	ttcagtagcg	tcgattactt	tgtagcaag	480
taa						483

<210> 9028

<211> 201

<212> DNA

<213> A.fumigatus

<400> 9028

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cccgagaatg	cagtaaagt	gttcgaacag	gtgagcccag	gtcgacgcgc	ccacttacga	180
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<210> 9029

<211> 942

<212> DNA

<213> A.fumigatus

<400> 9029

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<210> 9030

<211> 1368

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (537)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9030

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tatctttatg	atcatgtccg	ccaccgtacc	gaccagccct	tctgcttgac	agtgtctatg	180
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gcgcgccgcg	cgtactacgc	cgccctgcacc	tacgtcgaca	ccaatgtcgg	gaagctgctg	420
aaggtgttgg	agaactgtgg	tctgcgcgac	gacaccatcg	tcgtttttcac	gggcatcac	480
ggcgacatgc	tgggtgagcg	aggcttgtgg	tacaagatgg	tctggtacga	aaactcngca	540
cgtttgccca	tgatcgtgca	tgccctaac	cgctttgctc	cgaagcgogt	ttcggagaac	600
gtctcgacca	tggacctgtt	gccgaccttt	gccgcaatgg	ctggagcccc	gttggtaag	660
gagcttccgc	tggatggtgt	gtcgtctgat	ccgtacctca	ctggcgagga	gggtgtcaag	720
accgacacgg	tgtgtggcga	gtacatggcc	gagggcacgc	agtcgccaac	tgtcatgatc	780
cgtcgcggcc	ggtggaagtt	tgtctattcg	ctgatcgacc	cacccatgct	ttacgacctc	840
gagaacgacc	cggaggaacg	ggtgaacttg	gttcggtgtc	ttgctgtacc	atcgagtc	900
ttggccgtca	aggggtgccg	ggttgatcag	gtcaagtcta	cagctctccc	taccccggcc	960
gatacgccgt	cggaactcc	tcgtgcgtcc	ccagtgcgcc	agcgcgcca	ttcactcttc	1020
ccgttcccga	ctccccacg	cacccccagt	cccgccaagc	ttcccggttg	ggtgcctgcg	1080
accaccgatc	cggccacgct	gttggcgcac	ttaccgaag	aagtgcacgc	ccgctgggat	1140
ctgaaggcga	tccaagagga	cgtgctgcgg	tcgcagcgcc	ggcgtcgcc	ggtgtactcg	1200
gctctcatcc	ggggtactcc	gacctctg	gactatgagc	ctcgcatgga	ccctagcacg	1260
cagtatgtgc	gcaaccaagg	caagggggct	ttggacgatg	tcgagtttat	ctcgcgctgg	1320
ccccgtgtgt	tgcagcaggc	tgccaacgcc	atgggtgcga	aggtttag		1368

<210> 9031

<211> 198

<212> DNA

<213> A.fumigatus

<400> 9031

tctgtctcga	ctccttttct	ttctagtac	tgtgacgaca	acgacaccac	catggcggct	60
aagaagccca	acatcctcta	cattatggcg	gaccagatgg	ccgctccccct	tctggccttc	120
catgacaaaa	actctcctat	caaaactccc	aatttggacc	gtctggctcg	ggaaggtgtg	180
gtgtttgatt	ccgcataa					198

<210> 9032

<211> 465

<212> DNA

<213> A.fumigatus

<400> 9032

cggaccaacc	atagtccccg	gggtaaatgt	cgctggtcag	tcgctgctca	tagccatgaa	60
gctggtcagg	tccacaaaag	tgcattttac	cagccagagc	agtgtgatag	ccttcgcggc	120
gcaaataatg	ggcatatgtg	gggatgtcgg	cgggcaattc	cgaaggcttg	gtcctacgcg	180
ccaatttggg	acgggaaccg	aacgggtccc	cttgaacaaa	ccgcgagggg	acccacagtg	240
ggggaaatgg	ccttatgcgg	aatcaaacac	cacaccttcc	cgagccagac	ggtccaaatt	300
gggagttttg	ataggagagt	ttttgtcatg	gaaggccaga	aggggagcgg	ccatctggtc	360
cgccataatg	tagaggatgt	tgggcttctt	agccgccatg	gtggtgtcgt	tgtcgtcaca	420
gtcactagaa	aggaaaggag	tcgagacaga	ctagacgaga	cttga		465

<210> 9033

<211> 1329

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (361)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9033

ctgcgatggg	acagcaagac	ccgcaaccaa	gttcaccogt	tcctccgggt	cgttctcgag	60
gtcgtaaagc	atgggtgggt	cgatcagcga	atagacaaac	ttccaccggc	cgcgacggat	120
catgacagtt	ggcgactgcg	tgccctcggc	catgtactcg	cccagcaccg	tgtcggctct	180
gacacctccc	tcgccagtga	ggtacggcat	cagcgacaca	ccatccagcg	gaagctcctt	240
gaccaacggg	gctccagcca	ttgcggcaaa	ggtcggcaac	aggtccatgg	tcgagacggt	300
ctccgaaacg	cgcttcggag	caaagcgggt	aggggcatgc	acgatcatgg	gcaaacgtgc	360
ngagttttct	taccagacca	tcttgtacca	caagcctcgc	tcacccagca	tgtcgcctg	420
atcgcccggt	aaaacgacga	tggtgtcgtc	gcgcagacca	cagttctcca	acaccttcag	480
cagcttcccc	acattgggtg	cgacgtaggt	gcaggcggcg	tagtacgcgc	ggcgcgcgagc	540
tttgatgcgc	tcctccggta	tctccttgcc	ccacaagtca	atgcacttga	ggacccgctg	600
cgagtgggga	tcctgctggg	cctgggggaat	ggcaggcgtc	tttggcaacg	gaatgtccac	660
gtcttcgtac	aagtcccaga	attcctttgt	catcgcgtag	gggtcatgcg	gatgggtcat	720
agacactgtc	aagcagaagg	gctggtcggg	acggtggcgg	acatgatcat	aaagatactg	780
tgtcgatttg	tagatgactt	cttcgtcaaa	gtcgagctgg	ttgggtgcga	cgacaggacc	840
tgcctccatc	accgacgaca	tgttgtgata	ccagtcggga	cgaatatcct	gccaatatta	900
gtgttgtgcg	tactacaggc	ggagcgcaac	gcaactcacc	ggctcgtccc	aattgacgga	960
ccaaccatag	tcctccgggt	aaatgtcgtc	ggtcagtcgc	tgctcatagc	catgaagctg	1020
gtcagggtcca	caaaagtgca	ttttaccagc	cagagcagtg	tgatagcctt	cgcggcgcaa	1080
ataatgggga	tatgtgggga	tgtcggcggg	caattccgaa	ggcttgggtc	tacgcgccaa	1140
tttgggacgg	gaaccgaacg	gggtcccttg	aacaaaccgc	gaggggaacc	acagtggggg	1200
aaatggcctt	atgcggaatc	aaacaccaca	ccttcccag	ccagacgggtc	caaattggga	1260
gttttgatag	gagagttttt	gtcatggaag	gccagaaggg	gagcggccat	ctggtccgcc	1320

ataatgtag

1329

<210> 9034

<211> 339

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (69), (123), (231)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9034

aatcctcaca	tctgcatct	acgaacctac	gcatcttgt	ctacccgtgg	ccgcgtcctg	60
cgcacctcng	aagttgacgc	cgaaggcaat	gcaaccgatg	ctgtaccgaa	cggagaagaa	120
canaacgatg	acggagtcga	cggcgaggaa	tgcaggatc	ccagtggatc	gaatgaccca	180
aaaaccgcat	gggtcatggc	cctgtaccag	gatgatgagg	gagaggagca	ncaatgccga	240
cggtcgatca	caagctttgg	cgtagcgaa	taccgatca	acaattgctt	tgggacgggg	300
caacagtaca	acgaggcttt	cgaggcgaa	aatatctga			339

<210> 9035

<211> 822

<212> DNA

<213> A.fumigatus

<400> 9035

ctgacccccg	cgatccttcc	agccccgtgt	gaagacggcc	cgcagtcatt	accgacatgg	60
agatatttct	cttcatgtgc	tcctcggacc	aaggctgttg	tcaagccac	ggcaccctgt	120
aatcctocaa	aaccatcgca	agaaacgctc	aaatttgagg	ggaggcgacc	agagggactc	180
ggcaaaactag	aaaggaaggt	tgcgaaagaa	ggcgacttgt	tactttttaa	ggcaccatca	240
catcgcttct	atgtgttggg	tgtttacggg	atcgagcat	tctgcttggc	ttactcggtc	300
tacaactcga	gcattcgtgt	cggagaccca	gtttagatc	tgccaatgtg	gcagaagagt	360
ctatttgggtg	gcatttgtgt	catgatgagt	gtcatgggga	cagtcttcat	tgtgaagact	420
gagcggttga	tcaaggccat	caatgccatt	cacttgaatg	gcaagacata	ccttcgcttc	480
actgttcgaa	gcatgatccc	tttccgaaag	ccataccgct	ttgatgccct	acctcgccaa	540
atagccttct	ctcggcgtct	ggtcgtctcc	cctgagtcgc	tcaagccaca	gacgactcca	600
aacgctcaac	cggctagggg	gagcatctac	agagcgctt	tgacgaagat	tagccagggtc	660
ttctggaagg	gtttccgggc	tgtccgacaa	ctctttacac	aggaggatat	catcctcttg	720
gaagtcgagg	gtcaaaaggg	tgttttccga	atggattcgg	ctgggtacat	ctccgaggat	780
ttcctgggtga	ttgggaaccc	ggtgagcatc	aggagctatt	ag		822

<210> 9036

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9036

gtgaatcggc	gcggggcgtct	ttgttcccat	tttgagactt	caactttgct	tttgagtcg	60
tgggacagcg	gctgccttat	cgcaagatgg	ggaaacttat	tcgccttgag	cttttcagta	120
cgggataata	cgattactcg	tcggcgagata	gtgctaacct	attccttaga	tttcaagtcc	180
tacaagggac	atcatgtttt	gctgtttgga	gatgcctact	tcacatccat	tatcggacct	240
aatgggtctg	ggaaatccaa	ctcgtgcgtg	tcacttttaa			279

<210> 9037

<211> 621

<212> DNA

<213> A.fumigatus

<400> 9037

aataagagca	agtcacaaga	tatatataag	tggcatacaa	caaatgctat	gtacaatccg	60
aatccaacaa	cgctcaagcc	acagggtatca	gataaaaactc	caaattttgc	ttcaccgcag	120
cgtccaatag	gaataaatca	cagcatgggc	ttgacatcgt	ccgcaacctt	gaatggagca	180
tccgtcttgc	tccggacctc	ctcgacagtg	actccatcag	caagctcgac	caatgtcaac	240
ccgtcagtaa	agtcgacatc	aaagacacaa	agctcgggtga	tgatccggct	gacgcaggctc	300
ttgccggtta	gaggggaactc	gcactgctta	acaatcttgg	ggttgccctt	cttatctgtg	360
tgtccatag	tcaccaccac	tttagtggcg	gaggggttgg	atactagggtc	cattgcacct	420
ccaaagcctt	tgatcttacc	ggggagcatc	cctacaatac	agtcagtcac	agcacataac	480
gaggggaagaa	aggagactca	cagttggcca	ggtcaccacg	ggcgctcacc	tgcacgcac	540
ccagaatggg	cagatcgatg	cgtccagagc	ggatcatacc	aaacgactca	tcactgccga	600
acacagccgc	accggggatg	a				621

<210> 9038

<211> 1266

<212> DNA

<213> A.fumigatus

<400> 9038

tcttaccggg	gagcatccct	acaatacagt	cagtcacagc	acataacgag	ggaagaaagg	60
agactcacag	ttggccagg	caccacgggc	gctcacctgc	atcgaccca	gaatggtcag	120
atcgatgct	ccagagcgga	tcataccaaa	cgactcatca	ctgccgaaca	cagccgcacc	180
ggggatgagg	gtgacggctc	ccttgccggc	attgatcaag	tccgcgtcct	cctggccctt	240
cttagggtaa	ggggccagac	cgaggatacc	attctccgac	tggagcatca	cttccaccga	300
ggggctcgacg	aagttggcg	ccagcatggg	catgccaaata	cccagggttag	catacatgcc	360
gttcttgaat	tccttggcgg	cacgacgaac	gatacgctcc	cgcttcgcgg	ccgtgtcgcc	420
cttgcccagg	gcggccgtgt	cgccccatc	ctctttggca	aaggtgtatt	tctcgatgtt	480
cttaggcgcc	gtgctctgga	ccacacgctt	gacataaata	cccggcaagt	ggatagcagc	540
cggctcgatc	tcacccggtt	caacgatgtg	ctcggcctcg	acgatagtca	tcttggcatt	600
tcgggccatc	gcaccggttga	agttggctgc	ggcgtaacgg	aactggcagt	taccagctt	660
atccgctttc	catgccttga	caaaggcata	gtcacccctg	atcgccctct	ccatcacata	720
gctcttgccg	tcgaagacct	tgacgtcgcg	cggctgactg	tactgagcca	ccgtgccgtc	780
ggggttatgc	ttgagcggca	gctcgccggt	ctgaacgacc	gttccacagg	ccgtgggggt	840
aaagaaggca	gggatgccgg	cgccaccggc	acgacaccgc	tgggccagcg	tgcctgtgtg	900
cgtcagctcc	agctcgattt	cgccggtcaa	gtacatccgc	tccaaggtct	tgttctctcc	960
aacatagctg	gcaatcattt	tcttgatctg	cttcgactgg	aggagcagac	ccaagccagc	1020
accatcgacg	cctgcgttat	tgctgacaac	ggtcaagcct	gtgatcgagg	gattggcgcg	1080
cacggcgccg	atcagtgtgt	cggaacacc	ggacagaccg	aatcctccgg	caagaagcgt	1140
ggagttggac	ttcatatcct	tgatggcttc	ctcggcagaa	gctaccacct	tgttgatctc	1200
attccggcgc	acgctgctcg	agaatgctcg	tgcaaggaat	cgttgatgct	agagagcagt	1260
tgttag						1266

<210> 9039

<211> 360

<212> DNA

<213> A.fumigatus

<400> 9039

gtctcctttc	ttccctcggt	atgtgctgtg	actgactgta	ttgtagggat	gctccccggt	60
aagatcaaag	gctttggagg	tgcaatggac	ctagtatcca	acccctccgc	cactaaagtg	120
gtggtgacta	tggagcacac	agataagaaa	ggcaacccca	agattgttaa	gcagtgcgag	180
ttccctctaa	ccggcaagac	ctgcgtcagc	cggatcatca	ccgagctttg	tgtctttgat	240
gtcgacttta	ctgacggggt	gacattgggtc	gagcttgctg	atggagtcac	tgtcgaggag	300
gtccggagca	agacgggatg	tccattcaag	gttgccggacg	atgtcaagcc	catgctgtga	360

<210> 9040
 <211> 1215
 <212> DNA
 <213> A.fumigatus

<400> 9040
 catcaacgat tccttgcacg agcattctcg agcagcgtgc gccggaatga gatcaacaag 60
 gtggtagctt ctgccgagga agccatcaag gatatgaagt ccaactccac gcttcttgcc 120
 ggaggattcg gtctgtccgg tgttcccgac aactgatcg gcgccgtgcg cgccaatccc 180
 tcgatcacag gcttgaccgt tgtcagcaat aacgcaggcg tcgatggtgc tggcttgggt 240
 ctgctcctcc agtcgaagca gatcaagaaa atgattgcca gctatggtgg agagaacaag 300
 accttcgagc ggatgtactt gaccggcgaa atcgagctgg agctgacgcc acagggcacg 360
 ctggccgagc ggtgtcgtgc cgggtggcgcc ggcatccctg ccttctttac cccagcggcc 420
 tgtggaacgg tcgttcagac cggcgagctg ccgctcaagc ataaccccgga cggcacgggtg 480
 gctcagtaca gtcagccgcy cgacgtcaag gtcttcgacg gcaagagcta tgtgatggag 540
 gaggcgatca agggtgacta tgcctttgtc aaggcatgga aagcggataa gctgggtaac 600
 tgccagttcc ggtacgccgc agccaacttc aacgggtgca tgggccgaaa tgccaagatg 660
 actatcgctc aggcgagca catcgttgaa ccgggtgaga tcgagccggc tgctatccac 720
 ttgccgggta tttatgtcaa gcgtgtgggtc cagagcacgg cgcctaagaa catcgagaaa 780
 tacacctttg ccaaagagga tggggacgac acggccgccc tgggcaaggg cgacacggcc 840
 gcgaagcggg agcgtatcgt tcgtcgtgcc gccaaaggaat tcaagaacgg catgtatgct 900
 aacctgggta ttggcatgcc catgctggcg cccaacttcg tcgacccctc ggtggaagtg 960
 atgctccagt cggagaatgg tatcctcggt ctgggccctt accctaagaa gggccaggag 1020
 gacgcggact tgatcaatgc cggcaaggag accgtcacc tcatccccgg tgcggctgtg 1080
 ttccggcagt atgagtcgtt tggtagatc cgtctcggac gcacgatct gaccattctg 1140
 ggtgcgatgc aggtgagcgc ccgtggtgac ctggccaact gtgagtctcc tttcttcctc 1200
 cgttatgtgc tgtga 1215

<210> 9041
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 9041
 atagcattcg ctcaagagtc cgagcctgac aagactgcga tgatccagac gcctggggttc 60
 ggcggaagcc cgtggaagac gtggttcac gataatatga cgtccagtca acaagccgag 120
 caggtagcag tcgccattct tagccgagcc ccgtcttcca acacctattc gatgcatggc 180
 aaggatgata ttatggttga gcttgtctgc atccaggccc tttcttcggg gggtagcatca 240
 tctagccaag atggctga 258

<210> 9042
 <211> 522
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (286)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9042
 cttgcatcac tcccatcacg ctctactat tacctcccag cagagccac tcagcaacct 60
 cagccagtga ttcaggaccc tgtgcttcac actactttcc catacaatct gactaacccc 120
 aacactatac caaccgagaa caacgaccca gttgttttcc aaacaccttc aaagaagctc 180
 tctgacagtc aacaacatga gctcattcaa gccgtagtgg ctaatgtaac tagcatcgctc 240

```

aatggcaacg ctacgcacgg cagctgcaac aaatgcaagg cagcgntggc cgccacccaaa 300
cctgcagcat tgtatgcgcc gacttttagtg cctgacacca ttatatcgct ctgcaaagag 360
ttcaatttca ggtcaaattgc cacctgcgaa gaggactatg ccgcgtcagt cttcggcgcc 420
gtctggacgc aggtcctggc ctacgctgat gtcgagggcc ttgacgggga ctatatctgc 480
catgcattga acaagtcatt gtgcggtccg ccagcgacaa gc 522

```

<210> 9043
 <211> 1068
 <212> DNA
 <213> A.fumigatus

```

<400> 9043
ttactcgcac gctttggcac cgtggacgag gaggtgctcc agaaaactaa tattgctaaa 60
cttctatccc gtttcgtgaa gaaggggggc cccactgtca aggagctctc tcagaagatc 120
ctagataatg ctgctgcttc cacgaaaagg aaacaggagt ctaccaaacc cgcagctaaa 180
gagaggcagg caaccaagag ctctccctct gaagctgcac ctgcaaataa ttcccgcgcc 240
gaaatcactg gctcgaagag gcctcgggag ggagaaccca gtggccaggg tgcttcaaag 300
cggatcggtt taacatccaa tatcaagcct agcgcaaagg caggcaatgc taccattact 360
ggctctgtca agcgcccaca agagacagct caggagaaca gatctgctgc tgctgtctcg 420
cgctcgaagg caaacattat cgctcccaag cctacaagcc tctttggcag cttgggttct 480
gcttccaaac ggccaggcac ctcaaagtca gagcgcgctg ccgcgcgagc tgccgcgagc 540
aaaacaaggt atgcagaatg cgaagctcct gtatgtggac cttcagaaat aatgctaaca 600
atgatcagcc ctccggccga aaggaaagaa actcaagcac cccctcctag acctactttc 660
tcctttggcg atattatggc agatcttaat aagcaaaagg gccctgaatc agttgagcca 720
actgaggatc gacctccgga atccgaagaa gaacgcaaga ggcgacttgc caaggaggct 780
cgaagaaaat tgcgcgtcag atggaaacct gacgagtctc ttacggaagt ccgtctcttc 840
acccacgatc ctgacgagga gctgggaccg ggtgatcgat ctcagggaga aattgggtgac 900
atcaagggag agggtagtgt ccttaaactg cacagagatc ttgaagactt ggaagatgac 960
gatgatgggt ttattcgcga agagaatttg atggactata cagagccttc gggtaagcca 1020
gtatcgacgc aaggtatggg ctgtctgcta acggaatcta gaaattga 1068

```

<210> 9044
 <211> 198
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (33)
 <223> Identity of nucleotide sequences at the above locations are unknown.

```

<400> 9044
catgcgttac cttccaggcc cggtcgtgtt agnaccagca tgtgtcatcg gctgatgttc 60
tatctttttg tcttatcttt catgatttcc cttttctacc ttcttttgac tacatgggtg 120
atgacatggg tggaaatacc aaatggacta ccgggacctc agattcgcag ccctcgtgat 180
actcctatta atggttga
198

```

<210> 9045
 <211> 246
 <212> DNA
 <213> A.fumigatus

```

<400> 9045
tccgtcatgc cgtccattct gagcgacgcc gacaaagaaa ccgtgaagag gaatgtctcg 60
aaaccctcga acaagatcct tgctgtagcc gttgcgcggc tctatgtcgc ataccagat 120
ccccaaagat ggacatacac aggtctgcag ggtgctgcgg tgcttgccaa cgacctggtc 180

```

gggaggactt tctggctgaa gctagtggat gtatctgtga gtagctactt cttggaacaa 240
ggctga 246

<210> 9046

<211> 900

<212> DNA

<213> A.fumigatus

<400> 9046

cctgctggga gaggtgttat ctgggaccag gaaatctacg ataatttcgc atacaatcaa 60
gaccgcacgt tcttcacac attcgagctc gaagattgag cggccggttt ctcccttgc 120
gatgagaaag aggcaaagac cttcattaag aagatgcatg agcgggagaa acatgcaagc 180
aaggaaaccc gtcaaacacc gttcgcatca actcgcggcc aggggtccgc ccctatggcc 240
aatggcaaac ctggcgtggg acgctcgctg ttcggcagtc tattgggcca tcgggtcacc 300
tctggttcta gtgtaccacc tcctgcaccc gcaccgcag caccctccgc gcctccaact 360
caatcagctc ttccgagcgg gccctcgcg aaggagtgc cctttgatac tagtgatcca 420
tcatggaagg ggctcctaga tgaacttcta cagatgggaa tcacggaaga ccaaattgag 480
gagaattctg actttattaa ggccatatata gaacaaaggc agggcagtga agctgaaccc 540
acagcctctc cttcggaaga tcagaggcga ggtaaggctc cgctcctcc acctccatca 600
gcgcctccc ccttgaagac caccctatc agtccacaaa ataccggcaa cagcgggggc 660
agtgcgcgag gtgcgcccgc acctcctccg ccgtcgcgca aagctcgtcc tgaagcggaa 720
gaggaaccgg cactgcgccc agctcgtgaa ccatccctc cgcgaccag gttccgtgag 780
ccacctcaa tcgcagatgc cgggaagctc gctcacaccg tcggccctcc cgtccctggc 840
cgacagagag ccattgtccg taccaacccg tcttcacca ggcggatgga aagacaaacg 900

<210> 9047

<211> 207

<212> DNA

<213> A.fumigatus

<400> 9047

tggttccttg taggcgctgg ggagtccggt aaatcaacaa ttatcaaaca gatgcgcatt 60
atccattcag gagggtttcc tgaagatgag cgacgacaga cagtgcggt catatactct 120
aatctagtca tcgcattcaa ggttctgctg gacattatgc gcgcagagca gattgatttt 180
gaactcgaga ctacaaaggt aaactga 207

<210> 9048

<211> 723

<212> DNA

<213> A.fumigatus

<400> 9048

caatctgcaa tagtaagtct cgttgacggg atcttctccta ttagcggcta cttactctct 60
tgtagctttt tcgggtcgct tgaccgttta ttcaagccc gttggctacc agacaaccag 120
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<210> 9049
 <211> 243
 <212> DNA
 <213> A.fumigatus

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 tcggacgaag cattttcaga ttacaaggct cgcgatgcga tgagggaat gtgggttgat 180
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 tag 243

<210> 9050
 <211> 249
 <212> DNA
 <213> A.fumigatus

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 caggccgtga ctactacaa ggaccccaag gtctcgcgtg aagtcagcga gggctctgggt 180
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<210> 9051
 <211> 522
 <212> DNA
 <213> A.fumigatus

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 ctgcgtccgt cagttttgct ccagagtcgc acccggcaca gctctacagc agcgtctagt 180
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 tacattttga gcaagaaaca acgagagtac ctggacagcg cactccgagt ctaccaagcc 300
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 ccccacctcc gaacgctcat gaagcacatg tgcgaaacaa gaagtccgaa ccttctcgac 420
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<210> 9052
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 <212> DNA
 <213> A.fumigatus

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<211> 270
<212> DNA
<213> A.fumigatus
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<210> 9054
<211> 477
<212> DNA
<213> A.fumigatus
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<211> 414
<212> DNA
<213> A.fumigatus
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<210> 9056
<211> 192
<212> DNA
<213> A.fumigatus
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cgcagcctcc ctttccttag tagctacaat ttcggcatca gcagcagcac tatcccgctg    180
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cttctttgttt ga

192

<210> 9057

<211> 507

<212> DNA

<213> A.fumigatus

<400> 9057

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gggctgcgga	gatccccagt	gaaagtaccg	cagaccaaag	cggacgcgcc	tctcgtgccg	180
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ccctggctcg	agtgggcgtt	tccaacaacg	ctggcgattt	tcttgatcca	tgttgcgggt	420
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<210> 9058

<211> 1722

<212> DNA

<213> A.fumigatus

<400> 9058

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gacgtttcct	tccttgggga	atcgccctgg	actctgcatt	atgaactgcc	tcacaatggc	1680
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<210> 9059

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9059

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agttgtacct	atacgaacgg	ccagtctata	gaagacgtca	acaatcgaaa	gaataaccta	180
atgattcggg	aaaatcgaga	aagctatacg	cgactgttgc	aactcgccaa	ttga	234

<210> 9060

<211> 213

<212> DNA

<213> A.fumigatus

<400> 9060

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gttgagacgc	tgaagaagga	gtgtgacggg	gctttgttcg	gagctgtcag	gtcggttgtc	180
cctatgacag	gaaactttag	gtcttcagcc	tga			213

<210> 9061

<211> 216

<212> DNA

<213> A.fumigatus

<400> 9061

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aatcggacag	tcgtcttcct	ttatgccatt	aacacgctgt	atgccttcga	tggatacatc	120
atctcttccc	atcagcacia	aatgcacctc	atttatcttc	tgagtggcca	ttcggcaagc	180
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<210> 9062

<211> 210

<212> DNA

<213> A.fumigatus

<400> 9062

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acgccaggat	gggatcctgt	taccgggctt	gggacgcca	tttataatac	cctggtgaaa	180
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<210> 9063

<211> 651

<212> DNA

<213> A.fumigatus

<400> 9063

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ggctcagtaa	aggtggatac	taagtctagc	cagcgcagca	agattacagg	cttgtatctg	360
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<210> 9064

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9064

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ttcgctcagc	aacgaggggtg	ggttctccgt	gacggccgga	tatacttccc	agtcgagccc	180
gaggccgcag	cccgtctga	gaaggatatt	ctggtggcaa	gcagcacggt	catcgagaac	240
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<210> 9065

<211> 636

<212> DNA

<213> A.fumigatus

<400> 9065

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tcaaactata	tccatacaca	ctctcgattt	ttttactggc	gaataacttc	atactcacta	180
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gaaagagtca	gagccatcat	gccaggcaaa	acaacgacta	ctccgcgtat	caccaaattc	300
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<210> 9066

<211> 432

<212> DNA

<213> A.fumigatus

<400> 9066

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gaacaagcgc	tctcagcgac	cactcggggc	gctacaatgg	tcacgcatat	gttcaatgcg	420
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<210> 9067

<211> 309

<212> DNA

<213> A.fumigatus

<400> 9067

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tcaccgggtg	gagtgaatgg	aatgcctttt	agcgaggcat	acggacacta	cagatgggtc	180
aacagtcaaa	ctgctctcga	ttgttccctt	gcagcaatcg	atgccgttct	cgcttatgtg	240
cagagcttaa	gtcaccacga	atgctcccca	ttgcacccat	caatgagccg	gttgataatc	300
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<210> 9068

<211> 1299

<212> DNA

<213> A.fumigatus

<400> 9068

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gaccaaacat	ttgacgagcg	aattgccaat	gccatggccg	agctgaagga	ttatctgggg	1260
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<210> 9069

<211> 405

<212> DNA

<213> A.fumigatus

<400> 9069

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tcacaagaca	atagaggagg	atcgaaagt	acttcttcag	gtatgtatct	cccaggatct	180
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<210> 9070

<211> 2124

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1811)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9070

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gaagcctgcg	gtttcgaata	cactaacaag	ttgcagcgga	tggtccagga	tatccagatt	1440
tcgaaagatc	tcaattccaa	ctacaaggac	tggcaggaga	aggttcttga	cgaagatgat	1500
cggagaaga	aggtcgacgc	acactttcag	attcttggaa	ctgggttctg	gccctcaat	1560
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agtttctact	atgacaaaac	caatggctga	aagcttactt	ggctctggca	gctgtgtaag	1680
ggcgaagtca	aagcaaaact	catcaaaaac	acgaaagttc	cgtacacttt	ccaagtatcg	1740
acatttcaaa	tgggtatcct	cctcttggtc	aacgagaatg	acaccttaac	ctactccgac	1800
atccagaagg	ntaccagcct	cgccccgaa	attctcgacc	ccaatctcgc	tatcctgctg	1860
aaagcgaagg	tgctcctgcc	aagccctgaa	ggggccaaac	ccgaacctgg	aacttcattc	1920
tccctgaatt	acaacttcaa	gaacaagaag	atcaaggtea	atctaaatat	tcagatcaaa	1980
tcggagcaga	aggtagagtc	ggacgatact	cacaagacaa	tagaggagga	tcgaaagtta	2040
cttcttcagg	tatgtatttc	ccaggatctc	ccgtgcccc	gcccgcaact	aatcgagtta	2100
tccagtcgcg	catcgttcgc	ataa				2124

<210> 9071

<211> 402

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (92)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9071

tgccactcct	cttatgtatt	tttaccgaac	cagaaccctc	atcagctagc	ctcttatcga	60
gccatcccat	tttcatcaaa	atcacttaca	antaacaacc	acaaccacaa	cagacatgac	120
acgacacgac	acgacacgac	acgacagggg	aaaaaaacct	acaaaatgaa	actccaacta	180
aacccaacca	ccctcctcct	cgccaccctg	gccctaacct	cgcagctcgc	ccgcgcagac	240

ctaagctact	actgcgaaat	ggccaaagac	ggcaccaaca	tgatccagaa	ggcctattgc	300
tgcgatgac	tgggtgcctgc	gcgctacgcc	gagaggttct	tgcaggggga	gaagtgtacg	360
cccccatcc	ttggttcttg	tccttggtgc	atactgcgat	ga		402

<210> 9072

<211> 243

<212> DNA

<213> A.fumigatus

<400> 9072

atatacccat	tcgaagtaca	aataaacatc	cgctcctatc	atcatcccc	attagccagc	60
cttcttttcc	ccactcccc	tcaggagact	gccagaggaa	cttacaatcg	tataacaaca	120
aaccggcacc	gtcccatcat	tgggacactt	atccccacc	gtcttcggat	ccgcaagcgt	180
acctacacac	atcccatcac	atcagtcac	gcagtatgca	acaaggacaa	gaaccaagga	240
tga						243

<210> 9073

<211> 1659

<212> DNA

<213> A.fumigatus

<400> 9073

cagctcgtgt	ccttccagcc	cggtggtgaa	gatcggttgg	agaatctgag	ctggagactc	60
tggacacggg	aaactttctg	tgtggagccg	gacaagtcca	gcgatacttc	cgtattgcca	120
ctccttcgct	cagaagctgg	tgaccttcog	gaactttctg	ccagcgttga	atctgctgct	180
tcagaacaag	ccgagagaat	cgagagtcac	atcaagcgtt	ctaggtgcga	tcttaagcct	240
gccgttgctc	gcgaagactc	gttctcctat	ctaggccgcg	gaaaagaaaa	gcacatcacg	300
tcactcgggt	tagagcgcat	ggtgcttaac	attaaagaga	agaaaaatct	cgagcctctc	360
gaccgcacca	tgactacagt	cgccctccg	gtggttgacc	tgacaccacg	accgtcgaca	420
ctttccctta	cgccgccttc	agaatccact	gccaacgcga	ccccgtcctt	cccgcccttc	480
aacaatcaag	ctcttcattc	tacggcatca	tgctcgacaa	ccgcgccgga	gggtaacgat	540
agcgatgctg	cgaacgttaa	tgcactctgac	accagcgtct	cgctcctctg	tatgcttcct	600
tctcgatcct	gcttaataaa	gtctcctagt	gtcgtgcgtg	gcttttctcc	tctgctcgct	660
tcctcgatcat	accggtcgca	accaagactg	gcgccggatc	ctgggccagc	acagcagcca	720
gcgcaattga	aaccacacac	cttcaagaag	aagggtggca	tggtcacact	cggtgggtct	780
tctgggggatg	atgatgaaag	ctcgctcgag	gaccggatag	cgatacaaaa	gccacagcac	840
agctcgcttt	ccaacgagca	tagcaagtgc	gcaaacacca	atccgagccc	atcgaagaaa	900
gtgacttcgt	ttcaagaaca	agttggaatt	atcaaacccg	tcagcgagag	gtcctatgac	960
aacgatgagg	atgcaattga	gactgaggat	gaagtctcag	agagtgcctat	tgaggatgat	1020
gaggattcgg	attgggaaga	ctcgggtgacg	gagagtggaa	ggtcgagcgt	cgaggaaagg	1080
gagcttttca	agcgagttga	ctccaggccg	aacctggtct	cgcgctcgctc	ccttctcaca	1140
atgatgatgc	accagcctac	gaagatgcag	gggccagcgt	cacgctctag	ccccgcctc	1200
cagcgctcac	ggttaacatc	acctaattga	ccatctatcc	ccgcctcacc	acctgaagat	1260
gaggaggaaa	gcttgactat	gcgtgggtccc	gatgttcccc	ggtcgaagcc	gatcattgtg	1320
aagccctcgc	cacagtcggt	cgcacactct	cctcgaacta	cacggcggaa	catgcttgcc	1380
acagaactga	ccgagtcggt	gagacgtcat	ctactctggg	agcgccagca	gaaaagtgca	1440
accgcaaacg	ctttcctgaa	gcgacgacac	acaacccatg	atatggcgaa	cctacaggaa	1500
tatcccgaac	ctaattggggc	actaaaggga	caaacatccc	aacagaatgc	tggcgtcccg	1560
aatggaacct	ccgcaaaagc	acacgctgaa	aaggatgtcg	cctcatttaa	tcattacacc	1620
gactttgggc	cgtgggaata	ccacgttgaa	ggatggtag			1659

<210> 9074

<211> 414

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (386), (396), (411), (412)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9074

agcagctcct	tgcagtcgaa	gggcttgaga	cgacggagca	cccgttcacc	gatacgccca	60
acagcaacgg	ttccgacgac	cttgttctcg	aggtaaaact	cgttccttggc	gacggcagca	120
acatcccatt	caccgttgcg	gatctgctcg	tgggcaggga	cgaagttgcg	aaccagtgcc	180
agaatggtca	tgacaacgtg	ctcggcgaca	gagacgacat	tgcagccagt	gacttcggcg	240
acagtgatac	cgccgttggg	cttgttggcg	gcattaaggt	cgacatggtc	ggaaccaaca	300
ccggcagtga	cggcgagctt	caacttcttg	gccttggcca	agcgtctctgg	tcttcaccac	360
ggggctggaa	agtgccgctc	catttnaaaa	ccacancggc	ggtcccaagg	nncc	414

<210> 9075

<211> 933

<212> DNA

<213> A.fumigatus

<400> 9075

agaccagagc	gcttggccaa	ggccaagaag	ttgaagctcg	ccgtcactgc	cggtgttggt	60
tccgaccatg	tgcaccttaa	tgccgccaac	aagaccaacg	gcggtatcac	tgtcgccgaa	120
gtcactggct	gcaatgtcgt	ctctgtcgcc	gagcacgttg	tcatgaccat	tctggcactg	180
gttcgcaact	togtccctgc	ccacgagcag	atccgcaacg	gtgaatggga	tggtgctgcc	240
gtcgccaaga	acgagtttga	cctcgagaac	aaggctcgctg	gaaccgttgc	tggtgggctg	300
atcggtgaac	gggtgctcgg	togtctcaag	cccttcgact	gcaaggagct	gctctactac	360
gactaccagc	cccttcggcc	cgagggttag	aaggagattg	gctgccgtcg	tggtgagaac	420
ctcgaggaga	tgctcgccca	gtgogatgtt	gtcacgatca	actgccctct	gcacgagagc	480
actcgcgggc	tcttcaacaa	ggaactcatc	tccaagatga	agaagggtgg	gttttggcta	540
tccagttttc	cacttgcgaa	cgccatatcc	gctaactgtc	tctctctagg	ctcttggctc	600
gtcaaacactg	cccgtgggtgc	tattgttgte	aaggaggacg	ttgccgaggc	cgtcaagtcc	660
ggccacctcc	gcggttacgg	tggtgatgtc	tggttccttc	agcctgcccc	caaggaccac	720
cctcttcggg	acgtccaggg	cccttggggc	ggtggtaacg	ccatgggtcc	tcacatgtcc	780
ggtacctcaa	tgcacgcccc	gatccgttac	gcccagggtg	ccaaggccat	cctcgaaaagc	840
tacttctccg	gtcgccacga	ctacaaaccc	gaggatctca	togtcaagga	cggtgactac	900
gtcaccaagg	cttacggcca	gagacagaag	taa			933

<210> 9076

<211> 261

<212> DNA

<213> A.fumigatus

<400> 9076

atggccctga	tcatcctcgt	catcatcgct	atcgccatg	aaccctctgt	cgaggctctcg	60
gctgagtcgg	ctacttgctg	ctgccgtatc	gcgccgtcgt	tcaagcgtt	ccctccgaga	120
aggatccata	tccatcccga	ccatgatttc	ccctcctcgt	tcaaatatgc	taatgttatc	180
gtgctgtgcg	tgggtctgcc	gccgccacgc	cgatggcagg	aagaagcgca	tgacagcatc	240
ggctatacga	tctcgcaatg	a				261

<210> 9077

<211> 426

<212> DNA

<213> A.fumigatus

<400> 9077

gctcttggct	cgtcaacact	gcccgtgggtg	ctattgttgt	caaggaggac	gttgccgagg	60
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cgcgtcaagtc cggccacctc cgcgggttacg gtggtgatgt ctgggttcct cagcctgccc 120
ccaaggacca ccctcttcgg tacgtccagg gcccttgggg cgggtggtaac gccatggttc 180
ctcacatgtc cggtagctca atcgacgcc agatccgtta cggccagggt accaaggcca 240
tctcgaaag ctacttctcc ggtcgccacg actacaaacc cgaggatctc atcgtaagg 300
acggtgacta cgtcaccaag gcttacggcc agagacagaa gtaaacgtca caatcatttt 360
atgaagcgaa tgactgaatg tatttattct tacacatttc tttttgggtt ccggtcatcc 420
ttttga 426

```

<210> 9078

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9078

```

ctgcagtctg ctctctaccg cttcaccttt tcgttctcgc aatatctgca aacattcatt 60
gtcctagctt ctacagactct atccgatcac atcagtcac atgctgccgc cgcggctttc 120
ctcgtttctg tacctcgccg gctagctac cctcccggtg acaagcgcat acaacggcga 180
cgagaatatc aagagcattc cggtagcga gatcatcttc catga 225

```

<210> 9079

<211> 447

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (263), (266)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9079

```

caggcacgtg gtctgcgcgg cgtttcaatt cctaccaagg ctcgcttgac atacttccaa 60
gacaagtctc tgacctaga cttgcagtat aagtcggagg acacctggac caactgcttc 120
actctgaacg ctcccgagac caatatcgcc atccctgccg ttctctacct gggcttctct 180
gccgaaactg gcgagctgag cgacaaccac gacatcattt cggatcaatgc taagaacctg 240
tacagcatcg ggggcaacgc cgnctncacc ttcgccgag gccagcaaa caacggcaga 300
caggaccagg cccacgtgaa gctgcccaag cagaaaggcg gctgggggtg gtttttattt 360
aagttcatac tgttctcttg tgccatcgtc ggccgcgtatg tcggtttcac catgtatcgg 420
accaagcagc gctactcgcg gtttttag 447

```

<210> 9080

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9080

```

cttctcagac tctatccgat cacatcagtc atcatgctgc cgccgcggct ttctctgctt 60
ctgtacctcg cgggectagc taccctcccg gtaacaagcg catacaacgg cgacgagaat 120
atcaagagca ttccggtagc caagatcatc ttccatgaat gcgcaaatgc cctcggatc 180
cgctaa 186

```

<210> 9081

<211> 288

<212> DNA

<213> A.fumigatus

<400> 9081

cgtgtgaccc	agatcgaggt	tgagttcaac	atccacggcc	aagggaaactt	gcacggcgac	60
gggtttgcca	tgtggctcac	caagcagcgc	gcaaccagg	gtcctgtctt	cgggtcgaca	120
gacaacttcg	aaggtctggg	tatatcttc	gacacataca	agaacaatcg	tcccgaaca	180
tcatttccct	acgtcatggc	catgatgggt	gacggaaaga	cgtcttacga	ccaggcccat	240
gacggcaagg	ccaacgaagt	ggctggctgt	tctgtgagct	tgtcctaa		288

<210> 9082

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9082

attcaatcca	cggatacccc	tcaatccacc	tcacttcccta	cgcctaatacc	ttttagacgt	60
ccacaaaatc	aaaatacaag	cagcaaaatg	gccatctggg	gatcctcaag	ctctaacc	120
gcgtctccg	gcgaagcgga	catcaaaacc	cacctcatga	accacgtccg	gcaagaagcc	180
tattaa						186

<210> 9083

<211> 1245

<212> DNA

<213> A.fumigatus

<400> 9083

tcgttgactc	ccaaaagaga	gcgagataat	gcgctttcaa	ttttgggcag	gttgacacatt	60
atgaccagca	ctacgacgtc	ggataacata	aaagcataca	ccgtcaccga	tccttttgca	120
tcctctcttc	ggcaggctct	caccgggtgc	gagcagactc	aatcggtcgg	tgtcctgtca	180
cagatatctg	acaaagaagc	cgtctccatt	gcggatttgg	acgagtattc	cagacggcag	240
tgggaaggag	ttctgggata	catggtgggg	accagtggac	tgggcatgca	acgcgacgtc	300
agtttgagca	aaggcgtgaa	ggagctcttg	caggcggggc	acctcgtcga	gatcagggat	360
cgtegagtgg	aaattacaca	ggacgggttc	gctttcgctc	tacaagacgt	tggcactcaa	420
gtgtggcata	tcctagtctc	atatgttgag	agcgccggcg	ccatcggtat	ggacagcgtc	480
gaggtgcttt	cctttgtgtt	cttcctgagc	agtttggaac	tggggaaatc	atatgagaag	540
aagcagttga	cgtcgaacca	attgcgcact	ctgaccgact	tggccgactt	tggtatcgtc	600
taccaagaaa	ccccggatgc	cactcatttc	tacccgacgc	gcctcgcaac	caccttgact	660
tccgactcca	gactctgag	caatcctctc	gctggctccc	tttctggacc	tacgggcaca	720
tcctcgagca	aggccgggtc	cggattcatc	atcatcgaaa	cgaattaccg	actctacgca	780
tatacctcct	caccgctcca	gatctccctc	attgcactgt	tcaccacatt	gaaatatcgc	840
ttcccgaatt	tgatcacggg	taaaatcacc	cgccagtcag	tcgctcgtgc	agtggagatg	900
ggcatcaccg	ccgatcaaat	catctcttac	ctatcaacac	atgcacaccc	acaaatgcgc	960
aagcacaatg	tgtccaggtc	gacttctaata	caagccggaa	tgccgggtgc	tgtcctaccg	1020
cctaccgttg	tggatcagat	tcgtcttttg	cagctcgaga	gagatcgctg	caaagcgaca	1080
catggctttt	tattcagggg	cttcaaacact	ctggccgaat	atgaggcccc	gtgtcgatat	1140
gccgaggaga	tcggcgttct	ggtctggaaa	tctgatcgca	agcggatgtt	ctttgtcact	1200
cgacatcacc	aggttgctgc	tttcttgaag	accaggagga	agtaa		1245

<210> 9084

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 9084

aaaggccgct	cgccaagagg	ttcaggcgtg	gttggacgga	actctgcaga	ccgtggatat	60
ggcgcaggaa	ggcgatttcg	tcgctctgaa	gtatgtttcc	cttttaagtc	ttttctaaaa	120
aattttaaatt	tgagctggcc	aactgactgt	catagattca	ctgggtatggg	tgtccaggca	180
ttggacctct	tgcagaagaa	ggccgctccc	tctccattta	tggacgaggc	aattcagcgg	240
gtttgtgact	tggctatttc	ccgtaacggt	cgtttgctcg	tcgatgccga	ggagcaggca	300

gtgcagcccg	gaatcgagaa	ctggaccatg	aagtaccaga	agtactgcaa	ttcgcagaca	360
cctggccgtg	ccatcttcta	caacacctac	caggcctatt	tgtgttcgac	ccccgccact	420
ctcgccaggc	acctggagat	cgcccgtcag	gaaggctaca	cgctgggtgt	gaagctggtc	480
cgtggcgctt	atctcaagac	cgagcctcgc	catttgatct	ggtcgaccaa	ggaggaaacc	540
gacgcttgct	acgatggcat	tgttgaagcc	cttctcacca	gacagtacaa	ctccatgctc	600
aagcccgcgt	ccgtggaaca	cacgaccgaa	ctcccccccg	ttaacgttat	catcgccaca	660
cacaaccgtg	attccgtccg	caaggcacac	gcgctgcgtc	tccagcaagc	aagcaagggg	720
gaggacaaag	gcgtggatct	ctcgtacgct	cagctccagg	gtatggcgga	cgaggtcagc	780
tgcgagctat	tggaaggctt	ccagagcccc	gagcccactg	gcaagaactc	gttcgtggag	840
tcgcctaacg	tgtacaagct	tctcacatgg	ggatccgtca	aggaatgcat	gggattcctg	900
ctcagacggg	ccgtcgagaa	caccgaggcc	gtcggggcgca	ccaagcagtc	gcaggaggcc	960
atgtttgctg	aactcaagcg	cagagcccg	caggccttcc	gtctaagcaa	ctga	1014

<210> 9085

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9085

ctgtcattcc	atcatagtgg	taactcaata	ttgagccctg	agcctactac	aggactagtg	60
gtcgatcctg	ttcgatgggt	ggatccagat	attatcaagt	atcactgcgg	ctggcaggcg	120
gcgccactct	gcatgtcgtc	ttatctaagg	aatgatattg	ctgaccgtcc	cggctttcag	180
gcggtttcca	ccggctgcac	tatcactttc	ttcagcacca	agtag		225

<210> 9086

<211> 693

<212> DNA

<213> A.fumigatus

<400> 9086

ttctcatcca	tcaataacctc	agcatcctta	tcgctcctcg	tagggtttat	tgctcaagtc	60
ccgccacctg	tatcaaccac	aacaatgaag	gcattcccgc	gtccttttgcg	ggctctgtct	120
tgcattgcca	cgacttatcc	tactcccga	tatgtcagcg	gcacgagcaa	cgcgaaatca	180
tccatcgtag	cgacaccggc	tactagcctg	ttgcatcaag	ttcctccatc	ccccaaagaa	240
gaggcaacct	cgccgctcgc	aaaactgcct	ctctcctctg	tcctgcggtc	cttgatgata	300
ctctctgttt	cttcatcctc	gcttttactg	aagccatgca	tctataacct	ttccgtgttg	360
gcgcatccca	aaacgcctct	tctcgatgtt	gccaaaaaac	ccctgctgaa	catgcttgtc	420
aagcacacca	tctacaagca	gtttaacgcg	ggagaaaaca	agctggaagt	tcaacagtc	480
attcgcgata	tcaagaatct	cggctaccga	ggcgctcctc	tgggttacgc	caaggaggtc	540
ttggttgag	agagcaacgt	cagccctcgc	gatgaaaagg	ccgctcgcg	agaggttcag	600
gcgtggttgg	acggaactct	gcagaccgtg	gatatggcgc	aggaaggcga	tttcgtcgct	660
ctgaagtatg	tttccctttt	aagtcttttc	taa			693

<210> 9087

<211> 822

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (53), (131)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9087

ttgtcacaat	gtaatagatt	ccgctatcgt	gtcaccttct	tcgctccac	cgntatcacg	60
gatcatgcgc	atgaaccacc	agtcacctat	ctcaacaagt	cccagtcata	ctcggtatcc	120

attgtcgact	ntacaccccc	ggcgacgccc	acacaatccg	tcaaatatcg	cacgagtgtg	180
agaatcacct	ttgaggaaac	ggcacaccga	tccaacccgg	cccgggtgctg	gcgactctgg	240
aaggaagcgc	gaggggcggt	cgaggcgcaa	caacgagggg	ggaagatgcg	agcattggag	300
tttgtggacc	tgcgtctggg	atcgaagaag	aacgcgccgc	ggatcaaaaa	ggtggacagc	360
gcgtcgtttg	acgggttctg	tgtaacctgg	acgagcactc	cggaagccgg	ttcttccgag	420
tgcgtgatca	acgtccgctt	gaactttttg	tgcaccgatt	tcagtctatc	caagggtgtc	480
aagggcgctt	cgacgaggtt	atgcgtcaaa	acagagatga	ttggcctcga	ggatggcact	540
cctgcgtcgg	gatctgacac	cgaagccgag	atttgctact	gcaagggtcaa	ggtgtttcgc	600
gaccacggag	cggaaaggaa	gctgtccaac	gatgtggcgc	atgtgcagaa	agcgattcac	660
aaggttgaac	ggcaaatcgc	gcagggagat	atcgacggcc	ataatggtct	gggaaagcgg	720
aaacggcgaa	aagggcggtg	acacgggctg	accaagaatc	atgccgtctc	gatgagcctc	780
tccccagcc	gttccaacag	cctcacgggc	atagacgatt	ta		822

<210> 9088

<211> 1107

<212> DNA

<213> A.fumigatus

<400> 9088

aacgatgcc	gaagaccgct	ggatctctgg	agaccaatat	cgctccattag	aagagaagaa	60
tgcactcttg	aagccgatct	taaccgcgcc	cagtcgcaag	tgcaggctca	aggaaacgcg	120
ctcaaggcta	tggcgggcca	aatgccactt	gaagccggag	gaaggaatac	gtacaccgag	180
attctcgaac	ttattaaaga	ccttgaccgg	cacagcacga	cacactcgtc	cggaaagcct	240
tccttgtcaa	gagatgcaga	ctcgagagat	gaaataatgg	agaatatatc	tcaggacttg	300
gccaaggccc	gggcccgaact	ggaggaggca	tcttcgggtt	ggaaggccct	tgagctcgat	360
ttgaagcgg	cccaagaaca	ggccgctgag	gcgcagaccc	tcttcaagtc	ggttgaggac	420
gagaataccc	gcctcactaa	acaaatagac	gacctgcgaa	ccagcctaga	caaagttcag	480
ggagaactcg	gtcagatgaa	ggcggagcat	tccgaagccc	tcgaaaccat	caaccgtctc	540
cagaccgaga	ggaagacgca	gcaaccagct	cctccccctt	caccacccac	gccacacaac	600
atcggccagg	cagagaagct	tgaagaatcg	taccgcgccc	aactcaagag	ccttcatacc	660
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cgtgatctcc	ttgccgcggc	cgagaagcga	gaatcaaaac	tcaaagccga	agtgcagtcc	780
ctgctcgccg	cgcggggcgg	gcaagatact	caattacagt	cccttgacac	cgaagtcaag	840
agactgcaat	ctgcgattgc	cgtgaaggaa	gaggcgggcg	ctgccctgga	cgagcgaatc	900
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gagcggagagc	ggatggccaa	agccctcatg	tgggcctggg	gggagaagga	agtcggcgag	1020
gtcaaggaga	acctcggcga	ggacgggcga	cgcgtcagac	aggcctatcg	atacaagtat	1080
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<210> 9089

<211> 498

<212> DNA

<213> A.fumigatus

<400> 9089

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aaagatcaga	aaaagcagag	aacatcagaa	tctaccagcg	accttaaacc	taccgagctt	180
acagtgtgtc	gcgatgacga	accttcgttt	cctcgtgggtg	gtgggagcgt	tctgacacct	240
ctcgaaaaga	agcagatcca	tatccaagcg	actaaggatg	tgctgttcga	gcagaaaggg	300
tccaagaagt	cgtctgacaa	tttcgctggt	ggggatgacg	atgaagacat	tgaatggac	360
gatgctgaag	acaatgcgac	ctctacccaa	ctgtctcgga	aaaggaaggc	caaaagcaag	420
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<210> 9090

<211> 195
 <212> DNA
 <213> A.fumigatus

<400> 9090
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 tggaagaagc agctcgcgtc acgaaaaaag cacgtcgaca cgagattgat ttgttctgct 180
 gcccgcgacg catag 195

<210> 9091
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 9091
 cgcaccgatc tcgttcctcg ttcagaccag ctggatacct acacagttga gccgtctctc 60
 aataagaaga ctctttctcc ctcttcacgc cgcgcggaaa ttgtgaactt tacgcccgcg 120
 cggctcgttc tctctccagt caagttagtt gttcctcttt tccccctccc gagtccgctg 180
 ttcaacgggt caaccaccgg ctaa 204

<210> 9092
 <211> 1329
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1259), (1294)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9092
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 aaggttggcg gcaagaaggg attcgacaag gcatggaata cggtcgataa gctaggcgcg 180
 ccggtgaatc ggttgtcgaa tcgcgttggg cgcgaggcgt tctggcccat gactctcgac 240
 aaagaaaagc acaaggcagc tcgcactctg cgcagcttct gcaaagatgg tttctatacc 300
 aaagaagatt tggagcaaaa cggtagcgac agcgatggga agatcaatcg tcccaagggt 360
 aagcagcgag tgatcaagaa gatccccgcg ccggtaatcc aacgcgcagt gggcctcgcc 420
 atcttcacca caatgcgaac gggattatgg ctgagtgggt cgggtggaag cggcgtgctt 480
 ttggctcgca ttctgaaac aggcgaatgg agtccaccct ccggtatcat gctgcacacg 540
 gctggaatcg gtttcctggc cggtgtggac atctatgatt gcgtgggtgt tatcaacacc 600
 ttcgaggcac tggaagcatt caagaagggt cggtgtactt tgggaggaga ggtcagcgcg 660
 gcggtggtc cctatggagt gggaggtgtc ctggagtcgg aggttcacaa ggcacaggca 720
 cccatctgga catatatgaa gagccgggt ctatacgtg gcgtccaggt ggacggaaca 780
 atcatcattg aacgtacaga cgaaacagag cgattctatg gcgaaaggat atccgtcacc 840
 gacattctgg ctggcaaggc gaagcggcca ccaaggcca tccagactct catccagacg 900
 atcaaggccg cgcaagggtg cagcgatgtg gaggagagct ggattcctcc tccgggacag 960
 acgccgggcg atgtcgaagt tcagccagcg actctgttcg gaggcccgga tcccgatgac 1020
 cctgatccat tcggggtaaa ggctctggaa gccgaaggct tgttcacccg cgaggccggg 1080
 actcgatcgc gaccatcata tgatgtcttt gaattcaaac ccagtcctca tagtcccatc 1140
 tattccacct tccgacgaag ttggatagc tccccacgca gcagttggag agcgagcgtt 1200
 caaagccacg ccagtggtga tcgaggagcg cagaccgatg tggcctcctt tacagctcnt 1260
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 atagcatga 1329

<210> 9093
 <211> 597
 <212> DNA
 <213> A.fumigatus

<400> 9093
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 caagtgaagg aaacaaaacc tgaagaggaa tcacgcgaag acgaagcacc tggcgcggct 180
 tcacccgaag aggaaatacc agaagaggaa tcgccccaaag aggaatcacc ccaagaggaa 240
 tcaccccaag aggaatcacc cgaagaggaa gcacctggcg tggcttcacc tgaactgcaa 300
 ccgagatccg gcgtccgtac ttacggaaag ggaaggagat ttcttgccgg ggaaactgct 360
 gaagcgtttg aaacggagaa tattccctgg acaaaagggg acccacacga ttggccgtgg 420
 tggacttatc cgctgcccaa cggcgggcgcg attatggctg agaagaagac caaagaacgg 480
 acaggcggcg gtccgctccc attagctatt accttgttga aattccagtg cagcaagaca 540
 aaggacggtg ggggtgttacg ttgtatcagc attaccttgg tacggtatta tgactaa 597

<210> 9094
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 9094
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 ggtgattcct cttgggggtga ttctctttgg ggtgattcct cttggggcga ttctctttct 120
 ggtatttctt cttcgggtga agccgcgcca ggtgcttcgt cttcgcgtga ttctctttca 180
 ggtttttgtt ctttacttgg cgctgctgct gcgcccacgg gtgccgctgg ctccgatatc 240
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 gaattcacct ctgaacactt ttag 324

<210> 9095
 <211> 1977
 <212> DNA
 <213> A.fumigatus

<400> 9095
 gaagtattaa ccgcccgtac tgcagaggag ggccacgcgg aacggtagac cgtagcctct 60
 cagtacctca acctgtgcaa gacgatccac gggcagtcga gccacgcac tcgggatgct 120
 actctccggc tggcggagat ctgtgagcaa agcgatagcc atctcgaaga ggcactggcc 180
 ctttaccgac atgtctccca gacgaaggag tgggtgcttc caacgcaggc ctcccgggcc 240
 ttgcctgata tgacggatcc gacggcgaag atggtcaagc ataaactcgc gcagatctat 300
 ctccgcaaga agagcacctc cgacgaggct catgggttgt acatggaaga gcttaccctg 360
 tccaagcagc agcgaggctc gtcacctccc ccgacaatgt tgtggctgcg tgaggtggct 420
 ctagtctacg cggtgaagga cacgatcgag gcgcgcaacc agggagcaac tctcttacgg 480
 gatcatgtca acgaggtcat ccacgtcact gccagccgcg aagcgggtgg tgagcgtgct 540
 caccggctgg cagagatcta tctcgaatgc ggatacaaag atgcgggcta cgacttgatc 600
 gacgagcttc ataagaaggc cattctcgac acctccgctg cacaacgatt ggctctgaac 660
 gagtaccgac ctgcggctct tgttgccgcg ttcgaggaga agttcggcaa gaagatgacc 720
 tatagccaga tccttgacgc gctgtctcaa gaaagcggcg tgtaccatga gtaccagacg 780
 agtctctcca ggcacgacct cgtcaccact ctagtgtccg gccagaagct ccatgtcctg 840
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 ttttgcaact cgctgctgtt ttctgccaag ttcgctcca gggacgtggg acatcagttc 960
 tacaacctct gctgctcgaga ggtactcaat gctgactaca atatcaacat tattaccgag 1020
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 accggcgtgt tccattcatt tgtgcacctg accgacggtc tgaacagcca cgaggccatt 1140
 tttaccgcca tcaagctctg cctgtatctc aacggttacc agacgagcaa gtgctcggac 1200

agcggc	caaagc	acacat	ggcg	ttcgaa	tcccagatgc	tccttcagga	gatcatggac	1260
agagctcgcc	atctaaagat	tgagttctcc	gaacttccat	tcgctgaact	gaacgatctg			1320
gccaccgtct	tgggtgaaca	tgagatgttt	gacgatctcg	aggtatatga	tccttacc			1380
ttctgcctcc	cagattacat	gcataatgcta	attgcaccag	gccatcctca	ccgacctctg			1440
gacctcgct	ctcg	tccaaa	aaacatggc	ttccaacatg	atcg	tctgga	tcggccggcg	1500
tctggtggaa	acccgtttct	gccgcgggca	caccgacgcg	gcaacgcagc	tcggcagggg			1560
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caagctgctg	tccggcctgt	acacggcgct	ggggaaccac	ctggcggccg	tggcgctgca			1680
cgagacggcg	ctgcacgagc	tctcaacga	caccgacatc	gaccaggcgc	atgcggccga			1740
cgccgccagc	cagcatctgc	ggctgctcat	gcacgcgcag	tcggcgctcc	gcaaggagag			1800
cagtcaggcc	gtggacacca	gcgcgtacga	cgagctggtg	cagcagggtg	gcaccaagtt			1860
tggcgtaggg	ccggagggtc	tgcaaggcgc	aggcgacgat	gtgggaatgt	ggcatcggcc			1920
gaggcggttc	agcctggata	tgggcgagga	gcagatgcat	tccaaccacc	tgcgtag			1977

<210> 9096

<211> 624

<212> DNA

<213> A.fumigatus

<400> 9096

ttgcaccagg	ccatcctcac	cgacctctgg	acctcgcgct	tcgtccaaaa	aacatggctc	60
tccaacatga	tcgtctggat	cgccggcgct	ctggtggaaa	cccgtttctg	ccgcgggcac	120
accgacgcgg	caacgcagct	cgccagggat	atttgctaca	acctccgaca	ggtctggggc	180
aactgcgacc	ccgtcacgct	ggagatgacc	aagctgctgt	ccggcctgta	cacggcgctc	240
gggaaccacc	tggcggccgt	ggcgctgcac	gagacggcgc	tgcacgagct	cctcaacgac	300
accgacatcg	accaggcgca	tgcggccgac	gccgccagcc	agcatctgcg	gctgctcatg	360
cacgcgcagt	cgcggtccg	caaggagagc	agtcaggccg	tggacaccag	cgcgtagcac	420
gagctggtgc	agcaggttgg	caccaagttt	ggcgtagggc	cggagggtct	gcaaggcgca	480
ggcgacgatg	tgggaatgtg	gcacggcccg	aggcggttca	gcctggatat	gggcgaggag	540
cagatgcatt	cgaaccacct	gcgtagcagc	agtggctcgg	cggtgctgca	tgggtatttt	600
tcagcaagcg	gcgaaaatca	ttga				624

<210> 9097

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 9097

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cttcagttcg	taaatctcgc	cggggcccat	cgggttgctg	cggagggtgc	gcacgccc	120
gccaaggggt	ccgcgcttct	tgaggagacg	agcgttcagg	cgtttgtag	attcctccat	180
gagttccttg	taggtgagct	gcttggctct	gttgggtgaca	agggctctct	cggtggggga	240
gatggcaggc	gaggtgatgg	gttcgatctc	ggtcttgggg	ttcttgctgt	caaactcgga	300
gagggctctg	tcggaggag	cgggggaggc	ctgggtagcg	tcctcctcgt	ggtcctcgtc	360
ctggacgacg	gcgtagtgtg	ggactttggc	acggtcggcg	ccctgaggag	cgggacgctt	420
gaacagcaga	ggaccgagga	taaacatcca	ccacttgacg	ccgtgatccc	gcttgatcac	480
acgggcgtgg	acaaagggaa	cgaagaagat	ggcggagagg	atggcaaac	caccaccgca	540
acctatggtc	acagaggcaa	tataccagct	gggcttcttg	ctcagaccga	gactaggcga	600
acccttgtag	acaatggaca	gggtacagac	cgtggcggcg	aggaggaacc	agaagggaga	660
gctgtagaca	gccacggca	cggggtctct	gcgcagtgtg	acgatgagct	tgatcagcat	720
gaagataactg	gcaccgaaac	cggccgagat	ggcgggagcc	ataccaggc	cggcgaagat	780
agctcccagt	cccttccgt	ggttccatcc	ccattgtacc	ttggaagcac	cgacggttgc	840
aacaccgaca	ccagcaacgg	cagagatgag	ggagtaggtc	gacgagacat	gggcccagtg	900
cttgggtgcac	cacataaacc	aggaggaagc	agcggcgagg	gcacaggtaa	aagcaagcat	960
ctgcacaccg	gcacaccgc	ggaaggccga	gttggggatg	ataccgttct	tgatggtgtc	1020
agccgtccga	gcaccgactg	tgatggcacc	gagcatctcg	aagacggtgc	cgaagatcat	1080

ggcttgtcgg	taggtaaccg	atctggaaga	aacactggta	gcccaggagt	tggccacatc	1140
atcttttagac	aggcaatgtc	agcaaatacat	ctctcaaagc	gcggtcaaag	agatattgac	1200
atacttgcac	cattgttgta	g				1221

<210> 9098

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9098

cagcataaaa	gccccgtggc	tgcctcgctg	tctgagtcaa	ttgcaaata	agccctcata	60
cacttatctc	acacacacac	acacacacac	acattcacag	tgcgagtggg	gtcagccag	120
tatgactaca	tctttgccat	tggcaactctg	tttgccatgc	tggatgccta	caacaatggg	180
gcaagtatgt	caatatctct	ttga				204

<210> 9099

<211> 297

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (27)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9099

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ttggggcgccg	ccatcacctg	cttggttttc	tgcagtagct	ctctccccgt	ctcgacctcg	120
atgtgcatca	ccggcgccac	cgtcggcgctc	ggctctctgca	acggtagcct	caaggccgtc	180
aacttccagc	gtgtgggtct	gctgctgcta	gcattggatca	tgaccattcc	cattgctggg	240
acacttgggtg	gtgtgctcat	gggcctgttc	atcaacgccc	ctcattttctc	ttcgtag	297

<210> 9100

<211> 1497

<212> DNA

<213> A.fumigatus

<400> 9100

cattgcctgt	ctaaagatga	tgtggccaac	tcttgggcta	ccagtgtttc	ttccagatcg	60
gttaacctacc	gacaagccat	gatcttcggc	accgtcttcg	agatgctcgg	tgccatcaca	120
gtcgggtgctc	ggacggctga	caccatcaag	aacggatatca	tccccaaactc	ggccttccgc	180
ggatgatccg	gtgtgcagat	gcttgctttt	acctgtgccc	tgcgcgctgc	ttcctcctgg	240
gttatgtggg	gcaccaagca	ctcggcccat	gtctcgtcga	cctactccct	catctctgcc	300
gttgctgggtg	tccgtgtttg	aaccgtcggg	gcttccaagg	tacaatgggg	atggaaccac	360
ggaaagggac	tgggagctat	cttcggccggc	ctgggtatgg	ctcccgccat	ctcggccggg	420
ttcgggtgcca	gtatcttcat	gctgatcaag	ctcatcgctc	acatgcgcaa	gaaccccggtg	480
cctgtgggctg	tctacagctc	tcccttctgg	ttcctcctcg	ccgccacggg	ctgtaccctg	540
tccattgtct	acaagggttc	gcctagtctc	gggtctgagca	agaagccag	ctgggtatatt	600
gcctctgtga	ccatgggttg	cggtgggtgg	gttgccatcc	tctccgccat	cttcttcggt	660
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ccctccgagc	agaccctctc	cgagtttgac	agcaagaacc	ccaagaccga	gatcgaaccc	900
atcacctcgc	ctgccatctc	ccccaacgag	aagacccttg	tcaccaacga	gaccaagcag	960
ctcacctaca	aggaactcat	ggaggaatct	aacaaaacgc	tgaacgctcg	tctcctcaag	1020
aagcgcggac	cccttggctg	ggcgatgcgc	accctccgcg	acaacccgat	gggccccggc	1080

gagattttacg	aactgaagaa	catgaagatc	ctcctgaagc	gcatccccgc	catgatcact	1140
gtcggcctgc	tgtatggtct	acactacgac	atccacgctg	cccagtcagg	tatccacggt	1200
actcccagg	gagaacggat	gcagcgtgta	tacgcccattg	ccgagaagta	ccccaacgag	1260
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acgggtaatg	cggtcgctc	caaggccccg	gtccctgtct	ggcagcttgc	tggtctctcc	1440
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<210> 9101

<211> 210

<212> DNA

<213> A.fumigatus

<400> 9101

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aaggctcggt	ccgaaggacc	aaagctacct	aataacatta	ccggtaccac	ggccccacca	120
tccgaccttg	agtggccttg	gacgttcaga	gctggaacag	agtcattccc	ctttctatct	180
tcatttattt	ttagctcgcg	ccattggtga				210

<210> 9102

<211> 414

<212> DNA

<213> A.fumigatus

<400> 9102

gtttcccgac	aacgtcgtct	tccagtcgtt	ccgttcccct	ctctcattga	cctcgctaac	60
tccgacaggt	acatccccta	cgccgaagaa	agcagcgata	tcaacgcctg	cgccatccca	120
atcaactaca	acgcctccaa	ggaatggggc	gataagaaag	tcgtcctctt	ctccgttcct	180
ggtttggtca	cttcaccagc	acttcogaac	tatgaatcta	acagcacagg	cgcattcaca	240
cccacctgct	cggcgaaacca	tctcccgggc	tacatcaaga	gcctccccca	gctcaaggaa	300
aaaggcgtgc	agattgttgc	tgctctcgcg	tcgaatgata	cgtatgtgat	gagtgcattg	360
ggcaaggcga	atcaggtcac	tggggacgat	atcgtacgtg	gtgcaactac	ttga	414

<210> 9103

<211> 189

<212> DNA

<213> A.fumigatus

<400> 9103

gaacctgggtc	caaaaagggt	ggcccaaatg	ggtgcaattt	cccctgggtg	aatgtccagt	60
tcccccccg	aaacccccaa	gggccccaaa	attcaaacct	tgcacacggc	ctaccagacg	120
gacctggccc	gggcagattc	gccaggcccc	tccgagcggc	tgaagcgtcg	actcttgtgg	180
gtgctgtag						189

<210> 9104

<211> 1596

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1007)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9104

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aggcatgcct actcacaaga ggcaaacttc ctagcatcga ggggaaggcg cgagcatagc 180
ccaaagcgac acgaaagtga gcctgggttt ccgcgagacc tgcacggaca tgaagccgcg 240
aatcggggcg ggagcaaggc gcgagattcc gaacacaatg gacctcaca gggtagtgat 300
aagaatgatt ggggtgggaca gcacctggat gaaatagaca gtgcgcattg gatccatcgc 360
gataagctgg cccgtattga aagcgaggag ctgcaacagg cggcgtatct ttttcaccgt 420
cgtgctggcc tggagaatgg caaggcgagc cgggcgagaa accacgactt cgacaacagc 480
gggttcagtg ggttggtagg cgcaccgacg gcatcagagt ctatggagcc atggcccaac 540
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tcgtctcgga taccatatac gacggccagc cgggcacctt tttctcccga gcatctggga 780
cgcgagtttt ccatgcagcg tgcgcgggac gctcacaac ggggaggagg aaatcttggt 840
tttggaagc cacgcagagc cagcgagcca atcgggggg aagggtctga ctcccttgcc 900
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catgcacgaa gaatgcagca ggaacaatgg gagaaggagg gccgcacacc tacaacgtac 1260
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ccgagttcca gtacaggata cagccccatg cctaagctgc aggagatgcc ggccgctgcc 1500
caggtgggat tgacgcaaaa atggaacctt ccagtgggtga ctgcgcaacc tccacccccg 1560
aaggagaagg gatgcggatg ttgcatcgtt atgtga 1596

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<210> 9105

<211> 213

<212> DNA

<213> A.fumigatus

<400> 9105

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aatggaaatg aaaagaggtg tgctgacgtg tgtggtgatg atgatgatga tgtagacgac 60
ggaagagaga ttcagaatgc gctgtatgaa atgacgcagc agcggactgt gccgaatata 120
tttatcgggc agaagcacat tgggtgggaac tcggagttgc aggccaagtc tgcgcagttg 180
ccggccttgt tgaaggaggc aggtgcgttg tag 213

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<210> 9106

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9106

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gcaggcgaat attcaattga taaccgctca acgaacagtg tagtaacctt cgccgtatgt 60
acgtacgtcc tggcatattc tggctcgcaa gctgaacctt gggcgattaa cccgttggtt 120
cccacatctc ccggcgtttt taactattca aataaaaacta cccagttact caacctccaa 180
gtttga 186

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<210> 9107

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9107

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cggcacgccc	agaagttcac	tgctgtggtg	caaacatcca	cagtttacgc	agacttgtct	120
ctaataaagac	cttcacatcta	cattgacgcg	ggattaaacg	tggatgtgct	actgcaccgc	180
accgcaagac	acgggctcct	gccaccctca	atccttgagt	attga		225

<210> 9108

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9108

caattgtcaa	atatacctggt	atcacgagat	caaaaagcca	aagccagctt	ccctgatcaa	60
tggcggtcgg	gagcggcaac	tttccgcccc	tttaccgtta	tcaataggac	aactgcgcag	120
ctggctatca	tcctcgaagc	aggtatattat	ttggcgccct	cttttagcgc	gaggaaccaa	180
actagtatct	ctctgtcgga	gaaacacgcc	atcattctaa	gtcttagatc	ctag	234

<210> 9109

<211> 423

<212> DNA

<213> A.fumigatus

<400> 9109

aacgatgcat	acttatcatt	tctgagaaaa	agctgggtcta	atacacgatt	gacacagtgg	60
aatgccgtcg	ctttgtgggc	ctgggatata	gtcgtcgaca	actgtgcaat	ctgccgcaac	120
cacatcatgg	atttgtgtat	gtccctcacc	cctttattct	gcttgattga	tgctcatctg	180
cttcaaacag	gtattgagtg	ccaggcgcaat	caagggttcac	caacaactga	ggagtgcaca	240
gtagcctggg	gaatttgcaa	cgtagggttc	gcttcagcga	ctgctttttc	tccatctagg	300
gctaacaaat	gttttacctc	tcagcatgca	ttccattttc	actgcatatc	tcgctggctc	360
aaaacccgac	aagtttgtcc	gttggataac	agagactggg	aatttcagaa	gtacggcagg	420
tag						423

<210> 9110

<211> 909

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (250)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9110

tatcgactgc	tgggcagtat	cacggtgatt	cggctttatc	cgtcattgct	gttattctta	60
tccgtgacct	cgctctttat	tgatcagttc	cacttcaagt	tcttccacga	atcttcaaag	120
gctgcctact	tattaagcca	tttaatcgca	atgtcgagta	tatctcctac	tcctccgact	180
cccaagggat	ctcgagcaaa	ccggcgcaac	ccgaagaaaa	caaccacccc	ttctaatacag	240
aagatggctn	tgctcactac	ccctccgtca	tcgccaccag	ggaactcgag	ccctggagag	300
atagttaccg	atacgtctat	caatcttcat	aatccttcta	agagaaagaa	tccccgctca	360
aacaaaaagc	cacgcgacgc	ccctaaatcc	tcgccagcga	acaacaacgg	acaccgacac	420
acatcctcgc	atccagccgg	cagtactccc	caagtcaaag	acagccctca	ttatgcgggc	480
ccaacgttcc	atgcgtcgcc	tgctccttcg	gcgctcccaa	ttccaagctt	tttttcgaag	540
tctgtgccag	aatcagaccc	cgcagaggaa	atcgacgggg	accatctcga	agctgggtctc	600
gacctagaca	ctacaccgtc	aaagccgcgg	ccacgttttc	aaactcagtc	ggaaaagtca	660
cactcgacgc	ctcttgactt	tttattcaaa	gctgcagttg	aagccagaaa	ctctcagctt	720
cagcggagtc	ccgaagccaa	tatttggtact	cgggtctccgc	aaacagatct	taaagttcaa	780
cgtcaccaga	tgcccaactg	taaaaacgga	gccttcgcag	gtattttccc	cgttagagat	840
ggaaaattcc	ggcctacaga	actctgtctt	caccacacag	ggccggaagg	acccgcgcta	900

tgcgtctat

909

<210> 9111

<211> 201

<212> DNA

<213> A.fumigatus

<400> 9111

ccacacttaa	tgtttgcttg	ggcactgtta	gtcatcgcag	atccccactt	aaagttccct	60
aactctctcc	agccgacctc	tgccccccct	tcccaaggct	catttcgtcc	tcttgccagt	120
ttactccaac	ttcaaatgtc	taaagctaca	aacatgcgtc	tctgccctgt	gtccattctc	180
tccttgcggt	cgcctatcta	g				201

<210> 9112

<211> 216

<212> DNA

<213> A.fumigatus

<400> 9112

cactacttcc	ttaagactcc	ttcacagtat	aacagggccc	taataaatac	aaagctttct	60
acagagcaag	aggtggctct	tataaagtat	attaatatac	ttattaagct	agatattccc	120
ctacagctaa	aggcaatcag	caatatagta	aattttaatac	tctttcatag	acataactaat	180
ttaataaccc	cccccccttt	aattagcatg	cattag			216

<210> 9113

<211> 1257

<212> DNA

<213> A.fumigatus

<400> 9113

gaagacgtgc	agagagacct	cggttcttctc	aaagctagac	ggcctgtgta	tgatcaaaat	60
ccaccagcc	ttgaatacaa	tctgacattg	tgcgatagtg	gttacatcga	ttgggcaaga	120
gtcctcagcc	ctcctgaaga	cttcctttct	accgcgcgcg	attgtctgct	caatgggagg	180
gcctcgaatg	tcccaacaac	tggtcgtacc	acgggttctg	aacaaactca	agtcacgggg	240
gccgttaate	acgaaactcc	acaatctttc	aaccagcctg	aggagaccaa	tgcgggccga	300
gcatacaagg	actccaccgt	ttctttccgt	tcagacggag	actcagtggc	aattgctaca	360
cctgtgtcct	ctaataatgg	tcagtctgca	cgggtgagca	tagtccaggc	agctcataca	420
gcaactgaaa	cagaccagcg	gtttgagccc	agcagactac	gatcttcaca	gcaaggga	480
cgcagcagc	tcaaatccaa	ctctgaactg	gcagatgaca	aagctcaagc	tgggaagcaa	540
aaccaagacg	acgcactggt	tgatgtctca	acaccaccgt	cgggtcaac	tacgatcgtc	600
cggaccaaaag	acctctacta	tgataatgtc	caaaccgagg	ggaaaactgg	aattctcctt	660
gacttcaact	ccactcctcc	aaggaagagt	cttccaggcg	cggaaaatag	tttgtcgatg	720
agcccagccc	tgcaagattt	ggaaggcatc	aattttcagg	taaatgttgc	acaaagtatt	780
cttttgaggc	cagaacagcg	accagaaaag	cagatatact	ctttcattga	ggctgatcca	840
gtcgatttga	aggacttctc	cagcccaagg	atcgtggaaa	gcaatggtga	tacgatgacc	900
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tgcaaatattg	tggaggaaac	attgcgccac	catgtgcctg	agccgcttcg	agatatggac	1020
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acaatgcatg	agactgcctc	acagactgcc	agaaagcgac	aggaatttct	ctcatctcgc	1140
aaatctcagg	aaaagaaaagc	tgaacagct	gtggaaagaa	aaagtcccaa	gatatcctcc	1200
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<210> 9114

<211> 630

<212> DNA

<213> A.fumigatus

<400> 9114
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 accccccagt acaccatcgc ccagatctcc gctgctgggt tcttctccgc cattcctatg 120
 acactgatca cggctccttt tgagcgcgtg aagggtgctt tgcagatcca gggccagaac 180
 cctccgcctc caggacagaa gccaagtagc tctgggtggc tggacgttgt caggcaacta 240
 tacaaggagg gtggtatccg gagtgtcttc cgcggaagcg ccatgactct ggctcgtgac 300
 ggcccgggct ccgccgccta ctccgctgcc tacgagtaca tcaagcgag cctgaccccc 360
 aaggatgagc acggcaatgt cacgggtgcc ctgtccatgc ccgccgtcct agctgccggt 420
 ggtgctgccg gtattgccat gtggatcccc gtcttccctg tcgacaccat caagtacgt 480
 cttcaaagtg cccccggcaa gccacaatc ggccggcacca tccggtctgt ctacgccagc 540
 ggtggcttca aggcgttctt ccctggcttc ggtcccgcct tggccagagc tgtgcctgtc 600
 ttcaccacgg ggctggaaag agccgctcca 630

<210> 9115
 <211> 342
 <212> DNA
 <213> A.fumigatus

<400> 9115
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 agctttgaga acggctcctc cactggcaac agttcttccg agactggagc tggtagcgggt 120
 tcttccaccg ctaccgggtt aggtctcggc tccggcgccg ggtccgcttc caccactgcc 180
 cccaacagtt cgtccactgg caatgttgcc ccttggcggc gctgtcgttg gttccggtgc 240
 cgttggagcc ctggccctcg ctgccttgat tatcctttag acttctcaaa gattacgttg 300
 atgggaatag gttcgttgat gtcagtgtat gtcttatgtt ga 342

<210> 9116
 <211> 486
 <212> DNA
 <213> A.fumigatus

<400> 9116
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 gcgaccgttt cgcgtcctcc gtccctctcac ccttcgctct gctcgcggga tcacctcaca 120
 ccttggcctc tttgtgccat tacttatctt cctcctctcc cccactacga actgagtcgt 180
 ttcttccccg cgtccccctg cacacattcc acgatgtcga cccagggctc gtctactcct 240
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 cagatccgct ccctcgcggc aggtgcggcg ggtggtatct gtgcgggtgt tgtcggccat 360
 ccctttgacc tgggtgaagg gcggttcgag acggcgagga aggggtgtcta ctcggtgcc 420
 attgatgttg tcaagaagac tattgcccggt gaggggttgg ctcggttaag ttgcgcggctc 480
 agttga 486

<210> 9117
 <211> 1203
 <212> DNA
 <213> A.fumigatus

<400> 9117
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 acagaaattg agaacaccgt gcgccgagag tgggaagtga aggcaagact cgagatcgac 180
 cgtcaggtac agaataaact tgacagatta cgcaagaggt ttgagttcga ggtacaggaa 240
 agagtgaaca tcgaagttga gaagcaaaaag cgaaacaaca cttcgaggga cgatacggtc 300
 ctcccaacgg gcagttctca gtgcgtctgtt aatagcgggg acgacactgg cttcccttca 360
 aacaccgacc tcagccagtt gtccatcgag tctcctacag ccaacgcaaa caagcaacca 420

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aagaaggagt ctaggacgcc ttttagtcgc tcgaagacaa tgggttgaatc gcctgtcgac 480
gtgcagatgg ctgagccgtc accaatatcc atagcatcac tctctttgtc cccccgccgt 540
acctcagtg caagcaggaa tatctttgtc gaggcggaca aaccgcgggc gaagtgggag 600
ccaactctaa cttactctga tgacgaacat gatatacccg atcttccctc acctaccggg 660
caaaaagggtc aacatgatcc tcccaagggc cgggcacgtc ctctgcttcg acagaacact 720
actgcgttca tgcagaaaact aagctccag cggccctctc tcccttccaa ttcctccaga 780
ttgccccaga tgccaggtgg cccgtccgaa actcggcatg gagagaagtc tagatcacc 840
catcggcgtc tgtctaaaat cccatcatcg gcgaaccttg ctgctgatgc cgggtcccca 900
actcgcaaga gcgctactaa acagcttcca tcaaaagcga atggcgggtg tgaagagatg 960
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ggctgctcct cgaacctgaa atcttccgac cgtgagcctc ctgccgtttg ggatccagag 1140
aaggacgaga tgcccagccc attcctgggt cgtgggagaa aggtcattcg aaacttcagg 1200
tag 1203

```

<210> 9118

<211> 582

<212> DNA

<213> *A. fumigatus*

<400> 9118

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ataggaccac cgctgtcctt ccagccccgt gtgaagacgg tggcgatagg acctctactg 60
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gatggctgtg tctccgaaa cttgcaagct cggctgcgag gctttgccga cctcgagttt 180
gaaaagggtt cagtgggaaga cgacaaactc ttcgagagtg tctgtcaggc catgccgatc 240
aaagaggccg ctgaaaagcc aggtctgacg cagcgtgtat ccgatgcat gaaccgggtt 300
tgccgacatg agatcactgt cgtggctggc tttctacca ttgtgggcct cattgcagga 360
gccagcgcaa tgaaatggac aatgacaggc caattgctgt gcaatgtccc accgagtttg 420
attgagtcac tcttcatgat catcttgatc acaggctata actcggctga cgatcgcaag 480
agaatggatc tgccgaatct ctacgagagg cgtctgcac ttctggctct cgtgaacagt 540
gtacagacac tccgagagga gaaccggtca cagagggact aa 582

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<210> 9119

<211> 927

<212> DNA

<213> *A. fumigatus*

<400> 9119

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aactcggag gcggcttcgg gtggttaact gggcggtag gtctgatcag cgacaatctc 120
ctcagtgtca gaatggctct agcagacgg accattgttg aggcattctga cgaggatcac 180
caggatctat tctgggcagt tcgtggcgca ggacaggcct ttgggattgt gacagaactg 240
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gatcgactac cgggaattct tgaattcgcc agtcgcttcg acaaactgca agacgaaaac 360
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ttgccattct ataacggcag tcaagagaaa gctgaggaat tcttcgcgcc gttgatgtct 480
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aatgtcgatc cagtcccggg gggctgaaaa tgtttcagtg ggactaaagt atccatgcca 600
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gctaattttg caggtgggag cacttga 927

```

<210> 9120

<211> 336
 <212> DNA
 <213> A.fumigatus

<400> 9120
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 gttccaagct catcactcga ttatcgcatg ccggaactag tccggacgct caaagacaaa 120
 gaaaaagtgt tattccattg tgctctgagc caacagcgtg gccagcagc cgccctccgc 180
 tacgcgcggg agcgagaggc tgcgttgggt cctgaagaga gtaagaagca gcaggtctat 240
 gtccctgaag gcgggtttgt ccattggcag gagaagtatg gtaaagatac tcggctgaca 300
 gaggcgtacg tcgaggatat atggaggagg tattga 336

<210> 9121
 <211> 708
 <212> DNA
 <213> A.fumigatus

<400> 9121
 cgactctact ctatccctca tcagacgtgt caccaattcc tccatatcgc aaagatggag 60
 gcacgatcct tggctcgatg cctccgcctg aggcgcgacaa catcgctata taccagacaa 120
 cccatcatct tccgcggaca ggacgccttc cgatacttct caacatccaa ttccctctta 180
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 caatcgaagg tccaaaccag cagcagcaac agcacagcat ccaactccga ctccgccgac 300
 ttcgaccgga tccctgacca actcaacttc aacaacgcca accgcaatgc cacagaagac 360
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 agctacaaac agccgctccg ccgggtggaa ctaaaattgg gacctacgct gggtcgccag 480
 gtgcacgtcg agccggagaa ggggttggat ctgacgacgg cgctgcgcgt gctgcagggg 540
 aatgtcacga cgaacaaggt gcggggcgag ttggtatgcgc agaagttcca tgtccggagg 600
 ggccaaatgc ggaagaactt gaggatggag cgggtggcggg agctgttcaa gttctcgttt 660
 aagcagactg tgaacaagat ccagcgtatg agggcgaggg gatggtaa 708

<210> 9122
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 9122
 cgaagtgtgc attttttctt ttctatctct ctccttgtcg aatatatacg acacattgaa 60
 agtaactcga tcagtccact atctctacgc caatccgcat cgtcagctac cgcacagctc 120
 cccgcaccca tcttgggaatt tccacgccac acagtcgatg acggaccgtc atccaaacgg 180
 cggagactgg tctcctcttc aactgcaggg agtccaagct tgaggaccta ttctccaca 240
 tttccaaggc tcatgccatc gtctgtctcg agtgccgctt cctccgcttc ctctacaccc 300
 gcagctccac acgcttcatt ctccatccct ggtcccaccg acgctggccc taggtctcat 360
 gctagctcag aaacattgag aacatctagt gctggcgctg cttttgataa acggtcg 417

<210> 9123
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 9123
 cggaccgtca tccaaacggc ggagactggt ctctcttcca actgcaggga gtccaagctt 60
 gaggacctat tctccacat ttccaaggct catgccatcg tcgtcgctga gtgccgcttc 120
 ctccgcttcc tctacaccgg cagctccaca cgcttcattc tccatccctg gtcccaccga 180
 cgctggccct ag 192

<210> 9124
 <211> 570
 <212> DNA
 <213> A.fumigatus

<400> 9124
 ggaactctgc cccaatttct tcctattaat atacaatcaa tgtccccggt ggctctgcgc 60
 atgagcagca aagcactact gccctgtct ccattgctcc gactgtccac cgcctcacgc 120
 gccctcgccc gcccttggtc gcccagtcct cgcacatcag caacgctggc tccccccact 180
 cgacaagccc ctctctccct ctccctctcg tctctctcct tctctccttc cttctccccct 240
 caacaagcaa atttgtcttc gccatcatcg tcaagagttc gttcgtctgt cagctccgcg 300
 tcaactcgtg ctgctcttct ttctagacat ttttctcgt ataccccgcc gcaatcgccc 360
 aacatgtctt acaccgttcg caagatcggc caggccaaca ccctggagca ccgtgtctac 420
 attgagaagg atggcgctcc aatttctccc ttccacgaca ttcccttta cgccaacccg 480
 gaacagacaa tcctcaacat ggttggtgag attccccgct ggaccaacgc caagcaggag 540
 gtacgcaatt cggatccgcg agacacttag 570

<210> 9125
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 9125
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 ttctgctcgta actgcttccc ccacaagggc tacctctgga actacggcgc cttccccgag 120
 gtaagccaac ttcatgaaca cgggtgcacgt ccaggccaat caatgctaac cagagatttc 180
 tcgatggttt ag 192

<210> 9126
 <211> 492
 <212> DNA
 <213> A.fumigatus

<400> 9126
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 ctgatgtct gtgaaatcgg tgagcttggt ggctatccc gtcagggtcaa gcagggtcaag 120
 gttcttggtg tgatggctct gctcgatgag gaggagaccg actggaaggc catcgctcatt 180
 gatataacg accctcttgc ccctaagctc aacgacattg aggatgttga gcgtcacctt 240
 cctggccttc tccgtgctac caacgaatgg ttccgtatct acaagatccc cgacggaaag 300
 cctgagaacc agtttgctt ctctggcgag tgcaagaaca agaagtgggt tccttcttac 360
 tgcgtctggt atcatctttc tatgctaaca tttctcattt ccaggtagcg tctcgatggt 420
 atccgcgagt gcgctgatgc ttgggagaag cttatcaccg gcaagagccc tcgtggcgat 480
 attagcctgt aa 492

<210> 9127
 <211> 297
 <212> DNA
 <213> A.fumigatus

<400> 9127
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 gtcaagagtt cgttcgtctg tcagctccgc gtcaactcgt gctgctcttc tttctag 297

<210> 9128
 <211> 234
 <212> DNA
 <213> A.fumigatus

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 cgtgccacgt gcattatttc atttagacag tttctactag atcagaccaa tcgcatttct 180
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<210> 9129
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 9129
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 gttggtagca cggagaaggc caggaagggtg acgctcaaca tcctcaatgt cgttgagctt 180
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 ctcaccgatt tcacagacat cgagcgggtc gttgtcacc ttggccttgg tctcgggggtg 360
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<210> 9130
 <211> 243
 <212> DNA
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 gacccgagtc ctttgagcgc tattcgggaa cagacaagca agattgaaga ctgggtggat 180
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 tga 243

<210> 9131
 <211> 726
 <212> DNA
 <213> A.fumigatus

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 gtctcgttca ataacttctg gactgtacgt tcatttccct acgcgacgga taaagctcgt 720
 aactga 726

<210> 9132
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 9132
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 atggacgaga agaagaaggt ctactag 207

<210> 9133
 <211> 1887
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (113), (166)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 9134
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 9134
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 cccgagggat tgcaggccaa gatcacatct cctcatttag tcaatttgga gcaaatgcgg 240
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<210> 9135
 <211> 708
 <212> DNA
 <213> A.fumigatus

<400> 9135
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<210> 9136
 <211> 1431
 <212> DNA
 <213> A.fumigatus

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<210> 9137

<211> 534

<212> DNA

<213> A.fumigatus

<400> 9137

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<210> 9138

<211> 546

<212> DNA

<213> A.fumigatus

<400> 9138

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<210> 9139

<211> 309

<212> DNA

<213> A.fumigatus

<400> 9139

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<210> 9140

<211> 2241

<212> DNA

<213> A.fumigatus

<400> 9140

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<210> 9141

<211> 1797

<212> DNA

<213> A.fumigatus

<400> 9141

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<210> 9142

<211> 420

<212> DNA

<213> A.fumigatus

<400> 9142

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gctccggttc	gggetcaggc	ccaagcgccc	gctctggctc	tggtcagggt	tctggtggcg	120
cgggttcagg	ttcgacagcc	ttggccatcg	ttttcttctt	tttctcagtc	ttcgagagct	180
gtactggtac	aggtgcaagc	tcagggttcag	gctcaggcgc	aggtgctggt	tctggttctg	240
gttccggctc	aggetcgcga	gattccggct	ctggttcttg	ctcaggcgct	ggtgtcagct	300
caggctcggg	ctccactagc	ttacccttct	tctttttctt	cttctccgct	tttttgaca	360
aaggagccgg	ggctggagca	agctcaggct	cagggtcagg	ctcaggcggt	ggatcaatag	420

<210> 9143

<211> 720

<212> DNA

<213> A.fumigatus

<400> 9143

aaggcttggg	gtcattctcg	aataggagat	cctccgccac	ctcttccgga	acaggagggg	60
cgggggtccag	gcctagttag	ggaggtgttg	gggcaggggg	cggcggttca	acggcaatct	120
tggtcttctt	gggtcttctt	ttgtcctttg	gggaggtcca	gataccccag	ctatcctcaa	180
ctacagggtt	ttcctgtact	ggttccgaaa	ctgggtcagg	ctctggttgt	gattcaacga	240
ccgggtcagg	ttctggctcg	ggctcagcgg	ctgggtcagg	ttcgggttcc	aaaggaggtt	300
caggagccgc	ttctagcgca	ggctctgctt	ctggtggttg	aatctcgatg	tcctttccag	360
gtatcggaag	gcctttcttt	tttaatgcct	tctcgcggtt	tttccgctcc	tttgacgaca	420
aatttaccca	attgtcgtaa	agaggggtcat	cgggcaatcc	agaggctttc	ttttcagggt	480
cagggtccgg	ctccggctca	ggttcagggt	cggccgcagg	ctcgggcaca	ggctcgggtt	540
cgggttcagg	ttcaggtaca	agttcagatt	caggaatggg	ttcgggctcg	ggctcagggt	600
cagccgcctt	ccctttttta	ttgttcttct	ctttcttggg	aacatcccag	cctccccagg	660
catcatcggg	tgccgtttgc	tctggtgcag	gttccgggtt	cgggttccgg	ggcgttcttc	720

<210> 9144

<211> 777

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (214)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9144

cctgttgaag	gctcagagac	gcctgcagat	ggcaccctcg	ctgaagaaaa	cactgaaaag	60
aaggaggaag	cggagaaaaa	ggacgacaaa	cctgccaaag	ctagtgggac	gacaccagca	120
tatgtctctc	cggccgaata	ttcatcgccg	agtcttccgc	ccaccctccc	acagtccttg	180
gacagctccg	tccccatccc	tttcccacat	ttgntgggtt	tcttgaatac	accaatcaga	240
ctctaccgtt	acctgagccg	acgccatata	gccgatgaga	tcggaaggga	agtcgctggt	300
cttgctctcg	cctcgtccag	cagaccatat	catgatgggt	ccttcagctc	cgactccgaa	360
ctgagcggcg	caatgggtga	cgccgggtgt	tcaactttgt	cttcaccgga	tgacatgatg	420
ccttcactct	ctgcaaagta	cgagcagcaa	accgtctctg	aaaaggaaga	gtccgaatgg	480
cacaaatcag	tgcacaagag	ggacgaggaa	aaccttgaca	aggagcgcga	gtggatagat	540
gatatcgtcc	tggaccacag	cattgcactc	cggatgcagc	gctcccttct	ctccgctgac	600
gaagaggcgc	gctcacaacg	cattactgag	ggcaagggaat	acattctcgg	tgaagaaagg	660
cccgccctcg	tctccttctg	gcagcggatg	tggatcaagt	atggctacgg	ggaggatgaa	720
gaaaccatca	ggatgaagcc	catcattggc	aatcttgatg	gagcggatgg	cgaatga	777

<210> 9145

<211> 1719

<212> DNA

<213> A.fumigatus

<400> 9145

ggttacgtcc	aaagcaggag	tgcgatgctg	caagctcgtc	cgggcttccg	ccagaactgg	60
acggcggttg	cgattgcgca	ccatcttgcg	ggtgatctcg	aggaggcgga	gaaggttttg	120
accacgtacg	aggagacgct	gaaacaacag	ccgccgatat	ccgacatgga	gcactcagag	180
gctgttttgt	acaagaacat	gatcatggcg	gaagcaggca	aggtccaaca	ggccttggac	240
caccttgaga	ctattggata	cagaattacg	gatgtgctcg	cggatcatgga	aatgaaagca	300
gactaccttt	tgcgattgga	ccgaaaaggca	gaagccgagg	ccgcctacac	tgccttctct	360
gagcggaaac	cggagaactc	gatctactat	gacggtctaa	taaggggcgaa	ggggatctca	420
gaaagcgatc	atgcagcgct	aaaggcattc	tatgacgctt	gggcgggaca	gcaccccgaa	480
ggagatgctc	ctcgcagaat	tccactggac	ttcttggaag	gcgaggagtt	taaacaagcg	540
gcggtatgat	acctgcagcg	tatgctcaag	aagggtgtgc	catcactctt	tgcaaacatc	600
aaatctctgt	acaccaatcc	tagcaaacgc	gacacggtac	aggagcttgt	ggaaagctat	660
gtgtcaggca	atgggacggc	agaatcaaac	gggtccgcgg	aaggagcggc	aacaaaggat	720
agcactgagt	tctcgccttc	gacttactac	ttccttgctc	agcactataa	ctaccacctg	780
agtcgcaatc	tatcgaaggc	tatggagtgc	gtcgacaagg	ccatcgaaat	agcccaaaag	840
gctgtcgagt	accagatgac	caaagccagg	atatggaagc	actacggcaa	ccttcaaaag	900
gctgcogaag	agatggagaa	ggctcgactt	ctggatgaga	aggaccgcta	tatcaactct	960
aaggcggcga	agtaccaact	gcggaataac	gacaacgaaa	aggcacttga	caacatgagc	1020
aaattttacca	ggaatgagac	cgtcggaggg	gcattgggag	atcttcacga	aatgcagtgt	1080
gttttggtatc	ttaccgagga	tggagagtca	tatctacgac	agaagaaact	tggctctcgct	1140
ttgaagcgct	tccatggagt	gaacaacatt	tttgatgttt	ggcaggaaga	tcaatttgac	1200
ttccatagct	tttcccttcg	caagggcgat	atcagggcgt	acgttgatat	ggtagcgtgg	1260
gaggatcggt	tgcgcgaaca	tcccttctac	accagaatgg	ctctctctgc	catcaaagca	1320
tatattctac	tccatgacga	accggatctg	gctcacggtc	cactgcctag	cggactcaat	1380
ggctcaggcg	accaagacga	cgccgagagg	aagaaggccc	tcaaaaaggc	caagaaggaa	1440
cagcaacgct	tggagaagat	cgaagccgaa	aagcgtgagg	caagaaaagc	ggccgcggcc	1500
actgcgaagg	gcgccgatgg	agagacgaag	aaagaggatc	ctgaccctct	gggcaacaag	1560

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cttgtccaga cgcaggaccc gctcaaggat gcgaccaagt tcttgacgcc cttgttagag 1620
catagcccaa agaataatcga ggcgcagtgt cttggatttg aggtatatct cagacagagt 1680
aagtacaatt cacttgggat gcctttggaa attggctaa 1719

```

```

<210> 9146
<211> 306
<212> DNA
<213> A.fumigatus

```

```

<400> 9146
gtacaattca cttgggatgc ctttggaat tggctaaagc ctttaataga aaaatacgc 60
cttgcgctca aatgtcttgc cgccgctcac caaattgacg caagcaaccc gactctccat 120
gttcagctcc tgcgcttccg caaagccctt gacagtcttt ctgagcctct tgcccctgag 180
gtcgtgagg tgcgtcaatac tgaattcgaa aagctgctgc ccaaatcgca gaatctcgaa 240
gagtggaaaca actctttctt gtccgcccac aaggagagtc ctctgtgcaa caccagccca 300
gtctga 306

```

```

<210> 9147
<211> 219
<212> DNA
<213> A.fumigatus

```

```

<400> 9147
ggcgaccagt gccgaacaat agcaatcaaa gctgtcgcca aagcgaatgg actcgacctg 60
gatattcgcg aaacccccag aactcctgac catctgagta tcagcaagct cggcaaggct 120
cctgcctttc aagggtgccga tggcttcaag ctgtttgaat gcattggccat tgctctctac 180
agtgagttac gatatcctgt ggcgctgac gagaaactga 219

```

```

<210> 9148
<211> 315
<212> DNA
<213> A.fumigatus

```

```

<220>
<221> unsure
<222> (60), (68), (130)
<223> Identity of nucleotide sequences at the above locations are unknown.

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```

<400> 9148
cagccctcat cagtcacttc tcagaatgaa caaaccactc tttctcgaaa ggacaagagn 60
gaatacgncg agatcatcaa gtggatgtct tttttcaaca ccgagatagt catccttatg 120
accccaacan ttactgcccc gctgggtgtg aatccgtacg acagagaaca agtggaggtc 180
tttcgcacaa tgaccacga ttcgtccatt gtgtccagga gtattgcagg accgacattc 240
ctcgggtggcg acagctctcc tttgtggaac tgtctgggcc ggaaacactt gcttggcttt 300
caatcttcta cggca 315

```

```

<210> 9149
<211> 666
<212> DNA
<213> A.fumigatus

```

```

<400> 9149
agcgactggt catggcgatt gccagctta ctgcaagcca tctgcaccgt agtcattatt 60
gccggcatct ggtggatgcc cgagagtccg cgttggctga tgaacaaagg gcggcatgaa 120
gaggctctgg agatcctggt gaagtatcat gccgaagggt atcacaatga cgagtttggt 180
cagctcgagt actctgaaat caaagcagct atcgctctcg acaaagaaat cggccacact 240

```



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ggctgggtgg actttttaag atccaaagga aatcgcaagc ggatcgcttt gattacagct 300
ctcggcctct tcagtcagtg gagtgggaat ggtcttatct cttattacct caaatatgtc 360
atggacagcg tcggtatcaa ggacgcgcag actcagctcg gtatcaatgc aggcatgaag 420
accgagggct tggctcgtcaa ctttatcttt gcctttttca ttgacattct cggacgacga 480
cctgtctatc tgacctcgac tattggcaca ttcgtcgttt tcaacgcgtg gaccattgtc 540
tcagcgcggg atgagattgc accaaataaa gcgctcggct atgcatttgt gttcctcacg 600
ttcctgtacg gagtcttcta tgatatcaag tcagtatcct cctgccatgc tctgcacttt 660
tgctga

```

<210> 9150

<211> 381

<212> DNA

<213> *A.fumigatus*

<400> 9150

```

cgaatggata ggtccggcct catggcgaac tatacaacgg agatcctccc ctacgggctt 60
cgagccaagg gcttcacctg gctcaatttc tgtgtcactg ctgctctctt cttcaaccag 120
tacattaatg ccatcgccct tgatgccttg gcttgggaagt actacattgt gtactgtgtg 180
ttcctagga tccaagtgtt cgtgatttac tccctcctca tcgaaacgcg atatacgct 240
atggaggaaa ttgccaaata ttcgatggc gaggatgctg ttgatgtcgg tcagattgct 300
gtgcgagact tgaaggagca ggggtataata gcacgcgacg acaagggtac ggccaccatt 360
cacattgaaa agaattgagta g
381

```

<210> 9151

<211> 633

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (101), (124), (211), (234)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9151

```

aagcaccatg gaagggggcg caagcacatg gcgccgtcat tcagttctgc agtgggtacat 60
gtattctcgt caatgggaga tgaccatgat tcttttgtca ntacctgtt gcaattgcag 120
caantgacct ccgccagct cttccatgca gtgaaatcgt atcgaccgga ggtgggagaa 180
aaggttctca caaagcaagc aatgaaattt ntacttgatt ttcaacgcga tccngatctc 240
cttgcccgcg agcagctgag actgcaaggc gccgcggagc aagggaccgc agacgaacca 300
ggaccgaaag acggtcgtcc agaaaccccc aaacaagacc gaccttcgaa cgccccagct 360
cccgtcaccc ctgaggcatc cacgcacagc atggcgctcg ctggttctgc cagtgcgtcg 420
ccccgcccgg ggcagccatc acggcccgat gagcgaaacg ggacgaactc ggtgtttctg 480
gatccgtcac ttactctacc tttctcetta cctaccagca ctgacatgct gatcagctac 540
ggggcaggat ggggaggaac caaccgagaa cgagcgcgaa agtacattcc cacggtaccc 600
cccgaggttc tgaccgggtt cgaccgcgat tga
633

```

<210> 9152

<211> 237

<212> DNA

<213> *A.fumigatus*

<400> 9152

```

cccaaggga aaaaagcgac caaaaagtgc ccaaccggaa aaagcctcga ctgtcaaact 60
ggaaactctt cctttcttcc tctcttcttc ttttcttca tctccttttc ttccatttct 120
cgtccatcct ccacatcttc taatactctc cctctccctt tcacctctt cgtcccttct 180
tcactttcct tttttgtttt ccctttgatg actcaggctc ttgcttggtg tgtttga 237

```

<210> 9153
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 9153
 agaagaagta ttactgcaaa acacctgcag tacctgctga gtttgcgcgga gaaagagact 60
 ccagacctga acgacaacgg aaaagaggcc gtatcacaaa tacaacagaa ggtaagggcc 120
 gagaatctct ctaaggatgg agacaggatt ttgcaatggc gaaaaaaccc aaccgagata 180
 gctctaggcg acaacgatcg gggcacagac caagccagtg gctgcactac ttga 234

<210> 9154
 <211> 387
 <212> DNA
 <213> A.fumigatus

<400> 9154
 acccaggtgg atagtcca aa attggactct ttcaagatgg aataccatgg tgacggaaat 60
 gggctctggc acccctctca gtctcaggag tccgcctatc ctgacattga tgagacgttg 120
 cagtaccctt ggcaagggtt cagccagcc gtcgcaggcg aatcctcact tcaactccgta 180
 attgatcctc gcctttacaa ggatctgttt tcgcgaggcg cctctggcca gcaagccatg 240
 gagtatgggg acgaggagga tgcacaggag tattcgcaac tggatggctc ggcggaggac 300
 tccacttacg aattctcagc agaagaatct tcaacgtcag tttgttcac cgaataaacc 360
 ttacccctga tcaactgatgt tttctag 387

<210> 9155
 <211> 930
 <212> DNA
 <213> A.fumigatus

<400> 9155
 tcaactgatgt tttctaggga agaggagcct tcagatgtag aagagaatgc tgcagacgaa 60
 ggtgatgatg attcggtcgg tcggagacga cgcgcagaa gaggcacggg gcccttttct 120
 ggacgatggg gcgcccgtgg cgggaaagga atcaagagag gacctcgtaa gccgctggag 180
 cccagtgcgg aattcaagat gctgcactcg gacgctacct cggcctttat cgatggcgac 240
 tatgaaaccg ccattgatct tgtgaagcgt gcaatccata tcaacctga gatgtttgct 300
 gctcactcgc tgctgtcgga gatctttcta gctcagggcc agaaagacaa agctctaacg 360
 gcgctgttca gcggggctca tacgcgaccg agggatgcat cgggtgtggtt caaagtagcg 420
 caaatgatac ttgatcgagc cggcgatgac cgtccagcag ccctgaacga tgtcatctat 480
 tgcttgagcc gcgtcattga tattgaacct aagaactata atgcgaggtt tcagagagct 540
 gctgtctatc gagagttggg ccataatggc cgggctgtca cggagtacga aagaatcctc 600
 aaggaagttc cgcacatcc acgggctttg cgaaatctgg cagaagccta cattgatctc 660
 aacgaagtta cgaaggctgt agatcagtgg acggaaagtg ttgagtacta caagtccttt 720
 gagccggaag atgctcccga cttttcctgg tccgacgcca acatatacgc cgaattgttc 780
 agctatctgg gccgatatga agaaggatta aaggctctta agtctgtctc acgatggctt 840
 cttggctgcc gagatgatac tatgtgggaa aatttcaacg aagacgaccg cgcctgggag 900
 ttttcaccag acggagccag atcagcgcgt 930

<210> 9156
 <211> 912
 <212> DNA
 <213> A.fumigatus

<400> 9156
 ggatggactg gcgcggtcc ttccagcccc gtgggtgaaga ctggggccact ccataaccct 60

```

cacttcatcc agaagattct tgacatgctg cccgacgtcg atagagatat ctatcatacc 120
gtcgagcgca tcgagggcat gttaaccaca gctcttgaag aggatctgaa cctggacaca 180
atttcgagct ctaccccgac gggcaccctt gcagccgaaa aggagctcac ggaagtgtcc 240
acgtcccgcg aatattcggc cattattcct cgtttggatc cggccctccg ggatccgttt 300
ccattctatt tcaactctgag ttctctggca aaagttctac acacgtcaac tatatcagcc 360
gatgcgttcc gtggagctct ccgttcccta ggctaccgat caacgcgcag ccatgcaaag 420
ccaaatacta ttctgtacaga tgcaccctgg gacgtcattt gggaaatcat gcgagagtgg 480
gtgagacaaa aagcccctgt caaagaagga gcaatccgcc ctggcactcc tggagcggcg 540
atcatggcga agagtcgaga aaattctcga aaagataaag gagaagactc actcaatata 600
ttgaggggaag agctcatgtc tgcggctgaa agtggaagg atatcagtga cctagtgcag 660
aaagtcgaag ctgcgatcta ccgcttttagc catagatacc ctccccgcag ccaaggcgct 720
gagctgcgtc agcagaccga agggccccag tccccacaga cagcacctgc agttaagcaa 780
aatctgaaca cgtttagaggt cgttttcgat gaggccctgg gcagagaggg gtctcattcc 840
aagaaacggc ttgtccggta tcaaatcaat cctcgggcta attggggccc tctcaaccgg 900
gcgtccggct ga 912

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<210> 9157

<211> 1293

<212> DNA

<213> A.fumigatus

<400> 9157

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accactgcac gcgaaaaccc aggcaaattc ccttcgcctt tgcttgatat taagtaccgt 60
cgccgccaat tggacctgcg taggaagcag attaaggaat ggcaagagtc cgaactgtct 120
taccttcaag aagaaattga ggccatgaaa gcgcaagggc ttgcgtcatc tgacctatca 180
gattacatgc aggaacgtgc ccgccacatt gaacgggagg ctgtacggca agagaaggat 240
gctcaattca gcctgggcaa caacttctgg aaacaagatt ctcgatttgc gcctctgcgt 300
ggtgcacttg ctacttgggg tcttacgatc gatgatatag gtgttgcttc gttccacggg 360
acttctacgg ttgcaaatga caagaacgag tccgatgtca tctgccagca aatgaaacac 420
ctggggccgta agaagggaat tgccgttctt ggtatatctc agaagtaact tactggtcac 480
cccaaggagag ccgccggtgc atggatgttc aatggttgcc tgcaagttct cgacagcggg 540
ctggtacctg gcaatcgcaa tgcagacaac gttgataagg tcatggagaa gttcgattac 600
attgtttatc ctagccgtag catccaaaca gacggaatca aagcgttctc tgtcacgtct 660
ttcggtttcg gtcagaaggg tgctcaagtt atcggcatte accccaagta cctctacgcg 720
accctggatc gctctcagtt cgaggcgtac aaggcgaagg ttgagtcctc tcaaaagaag 780
gcgtatcgct tcttccataa tggctctgatt aacaacagca tcttcgttgc taagaacaag 840
gcgcctatcg aagataaac ccagagcaac gttttctca atccagacta ccgagtggcc 900
gttgataaga agacatctga attgaaattt ccaccctgc ctccaaaggc cagcgacaag 960
gatgctgaga gcaccagaca ggtggttgag tcgcttgcca aggcgcgatc cgaagacaac 1020
tccaggatag ggggtggacgt ggagaacatt gacgccgtca acattgaaa tgaaaccttc 1080
atcgaaagga acttcaactgc cagtgcagcag gaatactgtc gcaaggcatc atcgccacag 1140
tcatcattcg ctggccgatg gagcgccaaa gaggcagttt tcaaatcggt gggcgatatc 1200
agcaagggtg ccggtgcgcc tctgaaagat atcgagattt tgagtgatac aagcggagcc 1260
cccgtggtca acgtaagttt actccatttc tga 1293

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<210> 9158

<211> 318

<212> DNA

<213> A.fumigatus

<400> 9158

```

actgaaactc ttcacatcgt cctcaccatg cagattttcg tcaagactct cacgggcaag 60
accatcacct tggaggtcga gtccagcgac actattgaca atgtcaagtc gaagattcag 120
gataaggagg gtatccctcc tgaccagcag cgcttgattt tcgctggcaa gcagctcgag 180
gatggccgca ctctttccga ttataacatc cagaaggaat ctactctgca cctggttctc 240
cgtcttcgtg gtggcatgca aatctgtaag ttactttgcc ttctgcccac ttttgccacc 300

```

ctggtggcca catttttag

318

<210> 9159

<211> 756

<212> DNA

<213> A.fumigatus

<400> 9159

gttactttgc	cttctgcca	atthttgccac	cctggtggcc	acatttttagg	gtcgcccgcgt	60
gactcattga	taacagtcgt	caagaccctc	actggcaaga	ccattactct	cgaggtggaa	120
tccagcgata	ccattgataa	cgthaaagtcg	aagatccagg	acaaggaggg	tatccctcct	180
gaccagcagc	gtctgatttt	cgctggcaag	cagttggagg	atggccgcac	cttgtccgac	240
tataacattc	agaaggaatc	gactctccac	ctcgtccttc	gtcttcgtgg	tggtatgcaa	300
atcttcgtta	agactctcac	gggaaagact	atcacattag	aagtagagtc	ttcagacacc	360
atcgacaatg	tcaagagcaa	gatccaggat	aaggagggtg	tccctcctga	tcaacagcgt	420
ctcatctttg	ctggaaagca	acttgaagat	ggcctacct	tgtctgatta	caatatccaa	480
aaggaatcca	cactgcatct	ggctcctcgt	ctgctgggtg	gcatgcagat	cttcgtcaag	540
actctcaccg	gaaagaccat	taccctggag	gtggagtcct	ccgacacgat	tgacaacgtg	600
aagagcaaga	tccaagacaa	ggagggcacc	cctcctgacc	agcagcgtct	catcttcgct	660
ggtaagcagt	tggaagatgg	gaggacccc	tccgattaca	atattcaaaa	ggagagcacg	720
ctccacctgg	tgctgcgtct	gcgtgggtgga	tgctaa			756

<210> 9160

<211> 324

<212> DNA

<213> A.fumigatus

<400> 9160

cttacagatt	tgcatgccac	cacgaagacg	gagaaccagg	tgacagagtag	attccttctg	60
gatgttataa	tcggaaagag	tgccggccatc	ctcgagctgc	ttgccagcga	aatcaagcg	120
ctgctgggtc	ggagggatac	cctccttate	ctgaatcttc	gacttgacat	tgtcaatagt	180
gtcgtgggac	tcgacctcca	aggtgatggg	cttgcccgtg	agagtcttga	cgaaaatctg	240
catggtgagg	acgatgtgaa	gagtttcagt	ctattcgttg	aaaggatgat	gacagagtat	300
tcagcagtag	gaggaagcta	ttga				324

<210> 9161

<211> 423

<212> DNA

<213> A.fumigatus

<400> 9161

aagcaaactt	tctcccatth	agcatccacc	acgcagacgc	agcaccaggt	ggagcgtgct	60
ctccttttga	atattgtaat	cggagggggg	cctcccatct	tccaactgct	taccagcgaa	120
gatgagacgc	tgctggtcag	gagggatgcc	ctccttgtct	tggtatcttg	tcttcacgtt	180
gtcaatcgtg	tcggaggact	ccacctccag	ggtaatgggc	tttccgggtg	gagtccttgac	240
gaagatctgc	atgccaccac	gcagacggag	gaccagatgc	agtgtggatt	ccttttggat	300
attgtaatca	gacaaggtac	ggccatcttc	aagttgcttt	ccagcaaaga	tgagacgctg	360
ttgatcagga	gggataccct	ccttatcctg	gatcttgctc	ttgacattgt	cgatgggtgc	420
tga						423

<210> 9162

<211> 693

<212> DNA

<213> A.fumigatus

<400> 9162

```

gcaccgtttc cccaaagggt tgtgatcacc aggagcggat tccccaaatt ctacagcaac      60
gggttgtact tcgaactcgc aactaccaca gagggtttca tcgataagtg gctctggaag    120
ctattccggc gctttctcac gtatgtattt ttgaagttct cagagcgag catctgtcta    180
acatggcaca ggttcccat gccacaatc tgcctgctga acgggcacgc cttcgcagga    240
gggctcatgc tggccatgta ccacgactac cggatccaga atcctaccaa ggggtttctg    300
tgcacaaacg agctcgagtt cgggggtgcc ctgcagagcc ccatgatgag catcttccgg    360
gagaaattgt ccccgctctgc cttccgggat ctaattcttg aggcgagac gttcgcgggt    420
ccacagtctg ttgctgtggg attggtggac ggcgtaggcg ggcttgagga gacgctgcaa    480
ttgattcggg agcgcggatt gcagaccaag ggcggcgacg ggatctatgg cacgatgaag    540
gaggagatgt accggcatac gctggacatc ttggataacc atgcgggtaa ccttgcgtgg    600
agggagcagg tggaggagaa gaaagggacg cgagaagagg ctgcgttgag agctgtggag    660
gcgtttgaga agcagagaaa tgcgaagctt taa                                693

```

<210> 9163

<211> 351

<212> DNA

<213> A.fumigatus

<400> 9163

```

tctccacac acttctctgc ctctatcggt cgtctccttt tgacttcggt catacaggcg      60
cctcaccac caccgatgat gattctcagt gcgttcattc tccttctcac tctggtcact    120
gctctggccc ccgcatatga cttcatcacc gtccgaggag gagtcagcgg ccttgtcgtc    180
gccaaccgtc tctccgagga cccaacgtc tccgttctca tcatcgaagc cgggtccatca    240
gtccttgaca acgagaatgt gaccgatgtc gacgcgtact cccgtgcgtt tggtagcgaa    300
atagactggc agttcatcag tgaatcacag ctcttcggcg gagaaccata g                    351

```

<210> 9164

<211> 714

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (635)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9164

```

atcctccggg ccggacgagc gctgggtggc gggagcgcaa tcaatgggtga atcatcccca      60
tccgatatg gatatgaata tgcagaagag ctaagactgc gtttaggaat ggcctacgtg    120
cgtgctgagg acgtccaact ggacgcttgg cagtccatcg gcaatgagcg ctggaactgg    180
acgagtctgt ttccttacta tctcaagagc gagaacctga ccttgccgac agccgtgcag    240
acggatgcag gcgcaacata cgatgccttt gcgcatggct cccgcgggtcc cctcaagggt    300
gctttcccac gtatgcagag tgggtgataat gatctgacac ctgcggtcaa ccagacgctt    360
caggctgcgg ggattccgtg gaacgtagat gtgaatgctg ggcgcgatgcg tggatttagt    420
atctaccctt ggaccatcga tgaggaggcg tatattcggt atgatgccgc tcgggcttat    480
ttttggccgt ttcagtcgag atcgaacctg catgcctggt tgaacacgag ggtgaatcgg    540
attgtttgga gagacgtgcc tgggtggagag aacaccctgt catctggcgt ggatgttact    600
tcacagcatg gactgtgaag tggtgtgatg tcganaagag aggtgattct ctcggctgga    660
gcgctcaagt cgcccgcgat tcttgagctt tccgggatcg ggaatccacg gtga                    714

```

<210> 9165

<211> 846

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (606), (663)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9165

gttgcttctc	ggtcttata	ccgcgataaa	cgggctggag	ctgaggcact	gaaactccct	60
tatagcatcc	tcaatcaaca	caacatcccc	gttcacgtct	cactcccagg	cgtcggagaa	120
aacttacagg	atcagatgaa	cactctcatg	acagcgtcga	cccattcacc	catcaccggc	180
ggcagaaccg	tacttttcgc	atcggccacg	gacatcttca	gtcaggatat	ctcctccctc	240
gccaaacctca	cacataccaa	gtccccctcg	tacgctgcc	tcgtcgcaaa	catgagcaac	300
ggagccatgc	aaccogaaca	cctgcgggct	gtattccaag	tgcaaacacga	ccttatcttc	360
aagaacaaca	ttccattg	agaaataatc	ttcaagcccg	gcggcgagaa	aaccgtcaac	420
gccgggttct	ggggcctcct	cccctttgca	cgcggaacg	tgcacatccg	ctcttctgat	480
ccggcagccc	agcccgcat	cagtcaccaat	tacggcctgt	tggactggga	tatccagctg	540
caggttgcaa	ttgccaagtt	catccggcgg	atgtttcgtc	ctgcgccgct	tgaggggatg	600
attgangagg	aatcgaggcc	tggctctgctg	cgcggtgctg	gggatgccgc	ggatgaagtg	660
tgnnggaact	ggttggaaga	taactgtccg	tggggtaaat	ttctcttttt	cccaagagat	720
gtctctaact	ccattgctgc	caatgcgtcc	aatttccttg	ccatcgggcc	acacgggcca	780
gatgccccgt	cctctaggg	ggagtcttca	acaatcggtt	gcaggtgttc	cggccggcca	840
aatttc						846

<210> 9166

<211> 390

<212> DNA

<213> *A.fumigatus*

<400> 9166

cttaaagctt	cgcatttctc	tgtttctcaa	acgcctccac	agctctcaac	gcagcctctt	60
ctcgcgtccc	tttcttctcc	tccacctgct	ccctccacgc	aaggttaccc	gcatggttat	120
ccaagatgtc	cagcgtatgc	cggtagatct	cctccttcat	cgtgccatag	atccccgtcg	180
ccgccttgg	ctgcaatccg	cgctcccgaa	tcaattgcag	cgtctcctca	agcccgctta	240
cgccgtccac	caatcccaca	gcaacagact	gtggaccgcg	gaaccgtctc	gcctcaagaa	300
ttagatcccc	gaaggcagac	ggggacaatt	tctcccgcaa	gatgctcatc	atggggctct	360
gcagggggcac	cccgaactcg	agctcggtta				390

<210> 9167

<211> 1149

<212> DNA

<213> *A.fumigatus*

<400> 9167

cacctatcct	gctgccaaac	tttgctgggt	tcagccttcg	gtgttgaata	ctggtcggtg	60
attcgaagct	ccgtcgttac	gcctcttctt	ttggagacta	acagcccact	tcgtaccgtc	120
actcggtttg	tctcggagag	ctccctgtgg	tgcccttccc	gacatcctat	cgttttcagg	180
atatattgcc	tgtcattcgc	ttcttttagc	tgttggtgtc	cgttgagagt	gctgcaacat	240
tttcaaactg	gcttactcga	agacacacgg	tattctggta	agccaaagtc	tcgaatttct	300
gtttctctcg	ttgctgccca	actgccactg	ctctcttccc	tttccccctt	tttgatcccc	360
tcaattttgt	aatggttggt	caatccgtgt	ctctccgcga	aactccttcg	gacagtgtgc	420
tcttatccct	tctttcttgt	gctgacctct	ttgccttcac	agttcgaccc	cgacttccaa	480
acacctctga	ttctagacga	gtcgtggat	ttctcggatc	ctgaagagtc	acgatttgcc	540
ggcgcgtttt	cagacggcct	cctggccaag	tctgagccct	tcctgtctat	gtcgactttt	600
cagaaacccc	cgtcagcggc	cttgctaggt	aagtgtgtgc	cctctttctt	ccttgagcac	660
tgtctgctct	ttggcaaatg	caggcagacg	gatcggtcga	ctctctcaga	ttacgactct	720
gcgcgatctc	tgccataacg	tgttctctat	tccacctatg	gccagactcc	ttatgtgacc	780
gctacctcgc	tcgttccatc	ccccatggct	gatcaagcca	gccaaatttc	cgatttgtgg	840
ccatatctgc	caaatacagg	gtacgctagc	tcttacgagg	agagccggtc	gccccatgct	900

ggtgcagagt	cccgtcagct	gccggaggtc	gtctcatata	atccccagag	aggttcagaa	960
ggaacacggg	tatttgtgca	aattcagtg	ccacatgac	tccactcatc	tccgtatg	1020
actctctatc	ttgcctttg	gtcgaagaag	tgtgaatgtc	ttccacattt	cctcggttg	1080
caggggtcgt	cctttcagaa	tgccctctcc	gttgacaccc	ccgccttttt	ggccacggga	1140
atccccgtc						1149

<210> 9168

<211> 612

<212> DNA

<213> A.fumigatus

<400> 9168

ccccagacc	aatggccaga	agatcccaa	gctcttcacg	cccttgacca	tccgtggcgt	60
caccttccag	aaccgccttg	gtgtaagtcc	gtttgccctt	gtcatatcg	acgaaagcta	120
atcccccgtc	agctcgccgc	cctctgccaa	tactccgcc	aggacggcca	catgaccgac	180
taccacatcg	cccatctggg	tgggatcgcc	caacgcggac	ccggcctgat	gctgattgag	240
gcgaccgcgc	tccagccccga	aggccgcac	acccctcagg	atgtcggctc	gtggaaggac	300
tcccagatcg	ccccgatg	ccgggtcatc	gacttcgtgc	acagccagg	ccagaagatc	360
ggcgtgcagc	ttgcccatgc	cggccggaaa	gccaccaccg	ttgcgccctg	gatctcattc	420
tcggccatcg	cgacggagaa	ggtcggcgga	tggccggacc	gcgtcaaagg	gcccgccgat	480
atcccccttg	cggagccctt	cgccaagccc	aaggccatga	cgctggatga	gatcgagcag	540
ttcaagaagg	actgggtggc	ggccacgaag	cgcgccatcg	ccgcgggtgc	ggactttgtc	600
gagattcaca	at					612

<210> 9169

<211> 276

<212> DNA

<213> A.fumigatus

<400> 9169

agatcaccgc	accgaggagt	ttcttaccaa	cccatcaata	accatccaca	atctcctaca	60
acaaaaatga	ctgtcgccga	tatcgacgtt	cctcctgccg	agggcatccc	ctacttcact	120
ccggcccaga	accctcctgc	cggtacggca	gctaaccccc	agaccaatgg	ccagaagatc	180
cccaagctct	tcacgccctt	gaccatccgt	ggcgtcacct	tccagaaccg	ccttgggtga	240
agtccgtttg	cccttgctca	tatcgacgaa	agctaa			276

<210> 9170

<211> 258

<212> DNA

<213> A.fumigatus

<400> 9170

ttattcgggt	atattaggta	cgccatagga	ttctcagatc	ttgaagttgt	gatgaagcgt	60
cttggtgatg	agggaaagta	tgcagacatg	acaatagctt	gtttaggacg	cgaaattcaa	120
aggccacggg	tggtaagga	actgactaat	cccaagtcac	ggcgggttat	gcatttttagt	180
agatggacta	aggtacggat	tctgctacct	tatgttaact	acaagggtcaa	aagtttgtgt	240
acccttcaaa	aatcgtaa					258

<210> 9171

<211> 288

<212> DNA

<213> A.fumigatus

<400> 9171

gagtgggttg	aaactcattg	catctgggtc	atagaatggc	cggatcattt	gcctaattta	60
aacctaatga	agcacctctg	gaatctctca	aagaaaaagc	cattacagct	ctatccagaa	120

ctcttcctag	gaggcagatc	taagatagat	tggacgtgtt	tttgcaatgc	tattatagag	180
gcatgggagg	ctaagcctat	ccctcaggtg	attaatgggc	tcactactc	aatgccacat	240
agattacgtg	cagatagcca	ggcaagggcc	tggctacta	actattga		288

<210> 9172

<211> 258

<212> DNA

<213> A.fumigatus

<400> 9172

tatacccgaa	taattatcat	caactactgc	atgactttgc	agatggaagc	acccaccaga	60
gtgaatctaa	ataatgggcg	cagaagcact	acggcggtta	gattacatta	tattgaagat	120
gacaagaagc	gaaatcaggc	tgggacaact	gcaatccaaa	gtcaaaacat	tgagcaaata	180
gtggcttttt	ccattaagat	tctaataatac	agacgtctct	ccgagcctga	acctaataata	240
gtcatcgagt	cgggttga					258

<210> 9173

<211> 255

<212> DNA

<213> A.fumigatus

<400> 9173

gttgaaacgc	attcattgca	oggacccttc	cagccccgcg	gtgaagacgc	gcagctactg	60
atgacgcagg	accggtttat	tatatcgga	agcaaagttc	tcgaaggaat	gggcacatat	120
ctggtgacca	gcgtgggtcc	gcactcgacg	tatggccgga	tcattggtgc	tctaggaaca	180
gagagtgtc	caacgcccct	ccagggtcaaa	ttgggaaagc	tagcgaactg	gatcggtcgg	240
tttggtactg	ggtag					255

<210> 9174

<211> 483

<212> DNA

<213> A.fumigatus

<400> 9174

gtgtccatta	ccacacacac	ggaggtcgga	acttaccgca	caggtgacaa	catccacacg	60
gcgttatcca	tcgccatctc	ctgcgggac	aagacggagg	acggcatcgc	aatggaagga	120
cccgaacctc	ggcagctgac	cgaggcgag	ttgaagacga	tcattccacg	gctccaagtc	180
ctggctcgct	cctcaccacg	tgacaaacag	ctcctcggtg	agcatctcaa	acagcttggg	240
gagacgggtg	ccgtgacagg	cgatgggacc	aacgacgggc	cggctctcaa	ggccgccgat	300
gtagggttct	cgatgggact	gagtgggact	gaggtcgcg	gtgaagcaag	ctcgattatt	360
ctccttgacg	acaactttcg	atcgattgtc	acggccatcg	cctggggccg	gtgtgtcaac	420
gatgtgtcgc	ccaagtttct	gcaggtgtgc	tgcgtctgct	tctctcgccg	tccatgtggc	480
tga						483

<210> 9175

<211> 1038

<212> DNA

<213> A.fumigatus

<400> 9175

tgcctcacag	aaggactacc	cctagctgtg	accctggccc	tagcgtttgc	gaccgcccgt	60
atgctcaagg	aaaacaatct	cgtgcggcag	ctacgtgcct	gtgaaacgat	gggaaacgcc	120
accgtgatat	gctcggataa	gacaggcact	ctgacgcaga	acaggatgac	gggtggtggcg	180
ggcttcctga	gtcccagtga	gtcgttcggc	caactccgcg	tggagactgc	atctcagcca	240
cagcatgacg	acatttcggg	tgtgacgcag	aggtaccggg	cagccttgaa	ggctctgtct	300
gtcaagagcc	tcgtagtcaa	ctcgacggca	ttcgaggagc	tgcgcgagaa	cgaaacggtc	360

ttggtgggga	ataacaccga	aattgcgctg	cttcgatttg	cacagacagc	tcttgatgtg	420
cgggatgtgt	ctacggagcg	agaaagaacc	gatatcgaac	aggtctatcc	atttgactcg	480
gctcgggaag	cgatggcggg	cgtgtatcgt	ttgggaacag	ggcaccgact	gctcgtcaag	540
ggcgccgcag	aagtcgtcct	cggggcctgc	actgaatcga	cacttccagg	actatcggat	600
aaaacgtcat	tagccagagc	acagatgtcg	tgcgaggaca	ggcggacaat	ccatgaccaa	660
atcgatatct	tttctcgagc	ctcgttgctg	acgatcgcaa	ttgcataccg	cgagcttcca	720
gcctggaatt	ctgagcaggc	tggagacaac	gcgaaagtct	cacctgattt	cgatgccttg	780
ttcaataatc	tgacctggat	cggggcattc	ggcatccacg	acccgctaag	gcccgaagtc	840
cccgaagcca	ttcggacgtg	ccacacggca	ggcgtccagg	tcaaaatggg	taccgggtgag	900
tgtccattac	cacacacacg	gaggtcggaa	cttaccgcac	aggtgacaac	atccacacgg	960
cgttatccat	cgccatctcc	tgcgggatca	agacggagga	cggcacgcga	atggaaggac	1020
ccgaccttcg	gcagctga					1038

<210> 9176

<211> 471

<212> DNA

<213> A.fumigatus

<400> 9176

cgacaacttt	cgatcgattg	tcacggccat	cgcctggggc	cggtgtgtca	acgatgctgt	60
cgccaagtgt	ctgcagggtg	gctgcgtctg	cttctctcgc	cgtccatgtg	gctgacacag	120
ccagtttcaa	atcacgggtc	acatcactgc	cgtctgtttg	actgtcgtga	cggccattta	180
cagcagctcc	aacgaaagtg	tcttcaaggc	ggtccagttg	ctatggctga	atctaataat	240
ggacaccttt	gccgctctgg	ccttgtaagg	cctcctgact	gtaagcctcc	atggcacgag	300
agtactaaca	tcccgcgtgg	tcccagagca	accgaccctc	ccaccgcgga	tatcctacag	360
cgaccgcccc	ggccaagga	cgcgcctttg	ttcacgggtg	ccatgtggaa	gctgatgctg	420
gggcagtcaa	tctgtcttca	cacggggctg	gaaggatccg	cggtggcgca	a	471

<210> 9177

<211> 498

<212> DNA

<213> A.fumigatus

<400> 9177

cgccgtgtgg	atgttgtcac	ctgtgcggta	agttccgacc	tccgtgtgtg	tggtaatgga	60
cactcaccgg	taaccatttt	gacctggacg	cctgcggtgt	ggcacgtccg	aatggcttcg	120
gggacttcgg	gccttagcgg	gtcgtggatg	ccgaatgcc	cgatccaggt	cagattattg	180
aacaaggcat	cgaaatcagg	tgagactttc	gogttgtctc	cagcctgctc	agaattccag	240
gctggaagct	cgcggtatgc	aattgcgata	gtccgcgaac	aggctcgaga	aaagatatcg	300
atttgggtcat	ggattgtccg	cctgtcctcg	cacgacatct	gtgctctggc	taatgacgtt	360
ttatccgata	gtcctggaag	tgtcgtattc	gtgcaggccc	cgaggacgac	ttctgcggcg	420
cccttgacga	gcagtcgggt	ccctgttccc	aaacgatata	cgaccgccat	cgccttccga	480
gcccagtgcaa	atggatag					498

<210> 9178

<211> 507

<212> DNA

<213> A.fumigatus

<400> 9178

gatgcagtct	ccagcgggag	ttggccgaac	gactcactgg	gactcaggaa	gcccgccacc	60
accgtcatct	tgttctcgtg	cagagtgcct	gtcttatccg	agcatatcac	ggtggcggtt	120
cccactggtt	cacaggcacg	tagctgccgc	acgagattgt	tttccttgag	catacgggcg	180
gtcgcaaacg	ctagggccag	ggtcacagct	aggggtagtc	cttctgtgag	gcatcaacaa	240
agcggatcga	ggagggatgg	gaagcgggtg	cagaccagga	attgcaacca	cgatcactgt	300
caccgttact	atgagaatat	ccataaactc	ttgtcctttt	acagtggacg	gcgcacgtt	360

atctggaagt	tgagccaaga	agcggaagag	gagcacgaag	aagaggagaa	gagccgccct	420
gcactggctg	tcagctacta	tccgcacgc	agttctttgt	tcaaggata	cctacccag	480
tcacaaaccag	ccgatccagt	tcgctag				507

<210> 9179

<211> 462

<212> DNA

<213> A.fumigatus

<400> 9179

aactggctgt	gtcagccaca	tggacggcga	gagaagcaga	cgcagcacac	ctgcagaaac	60
ttggcgacag	catcgttgac	acaccggccc	caggcgatgg	ccgtgacaat	cgatcgaaaag	120
ttgtcgtcaa	ggagaataat	cgagcttgct	tcacgcgcga	cctcagtccc	actcaggccc	180
atcgagaacc	ctacatcggc	ggccttgaga	gccggcccgt	cgttgggtccc	atcgccctgtc	240
acggccaccg	tctaccaag	ctgtttgaga	tgtcaacga	ggagctgttt	gtcactgggt	300
gaggagcgag	ccaggacttg	gagccgtgga	atgatcgtct	tcaactgcgc	ctcggtcagc	360
tgccgaaggt	cgggtccttc	cattgcgatg	ccgtcctccg	tcttgatccc	gcaggagatg	420
gcgatggata	acgccgtgtg	gatgttgta	cctgtgcggt	aa		462

<210> 9180

<211> 228

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21), (35), (70), (120), (121), (146), (151), (174), (177), (225)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9180

cctgattacc	cgaagagaag	ngaagttgtt	cagantgccc	ctaaagcgtc	ttccttcccc	60
aaggagcccn	acgaccgcgt	ctttccgtat	ccggcagagc	tttccagttg	cgtctccgtn	120
ntagatcctc	cagaaacatt	caacgntaat	ntgccttcgt	caacacagtg	ctcngntncc	180
caccaccctc	cttccccgct	catgagcaca	ccaagcccga	ggagntga		228

<210> 9181

<211> 816

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9181

cctgaanatc	agtgtcgaac	agcttccctc	cgacgtaacg	ctcccaagat	tccggagcca	60
taccgggtctc	aaacaaacaa	tgtggagaca	gtttacactc	ttgaccttat	atctaccgac	120
cctccaagca	gactacatgc	aacccctcct	ccccttgacc	gacctgtcga	accgcatagg	180
acaaatgcaa	cactcttaac	accccatggc	tcctctctcg	tcgcctaccc	gcccgggtcg	240
gagagtctct	ccccctccaa	gaccggtcga	ccccgtccga	ccgctacgac	cggtaacctc	300
ctcgagaaaag	ccgtagcaca	tctaattgct	acagacgcgc	gcctggagcc	gcttataagg	360
cgacatccgt	gtcctctatt	ttctcctgag	ggactggccg	aggaaatcga	ccccctccgc	420
agtctcgtca	gcagtatcat	cggacaacag	gtgtcaggcg	ctgcagcccc	atctatcaag	480
gacaaattcg	tggctttgtt	caacaaggac	aatgagggac	aggatcctgc	gaagccgcct	540
cggttcccca	caccagagga	ggtcgtccaa	tgcgacctcg	ctacgtttacg	tactgctgga	600

ctctcccagc	gaaaagccga	atatatccac	gggctatccc	agaaattcgc	taccggagaa	660
ctcagtgcga	ggatgttgct	caatgccagt	gacgaagagc	tcgtggagaa	gttgactgct	720
gtccgagggc	taggcccgatg	gtccgttgag	atgttcgcgt	gctttgcgtt	aaagcgcatt	780
gatgtctttt	ccactggaga	tctcggcgtg	cagtaa			816

<210> 9182

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (81), (129), (132), (155), (160), (185), (186), (236)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9182

caaatccgcg	ccaccggatt	ggccaatact	ttatgcgggg	aattgacgag	gccggattat	60
ggaattgcga	gatcgactca	ntcctcggg	cttggtgtgc	tcatgagcgg	ggaaggaggg	120
tggtgggana	cngagcactg	tggtgacgaa	ggcanattan	cgttgaatgt	ttctggagga	180
tctannacgg	agacgcaact	ggaaagctct	gccggatagc	gaaagacgcg	gtcgtng	237

<210> 9183

<211> 945

<212> DNA

<213> A.fumigatus

<400> 9183

tacaacatgg	tgatgctaac	tttcggccgc	tttcttagtc	gttcctaccc	tcacagccgg	60
gaaggcccta	caatcctctc	atttcgacaa	caactcatca	tgaggggcac	cggactcgat	120
gatgaccaag	atagaaggac	aaaccagatg	acgggcgtgc	atgactcacc	tgtgttgcaa	180
cccgcacaa	tggaagatat	ggatgccttc	tatgacacag	atgaatatgc	ggactcctcc	240
aatcgctcat	attcgccgcc	agcctctcct	cctaggctgt	cgcgaaatcc	ttccttttcg	300
tatcaggatg	attgggagac	gtttccgccg	ctagacaaaac	tcaccgtggt	tgacttgctt	360
gacaactttt	cactctccca	gaaactcgag	aaatggcaac	aggcgatcaa	tgtgcagaga	420
gagaagggtca	gaaagcagcg	cgagaagctg	aaatctacct	caatgaacgc	aaaggatcga	480
gtggctcggag	aatggaagcg	gcgggttccc	acagccgatg	agcaattggc	caaatatcgc	540
cgctcggatga	gtgatggtgt	caagcggctg	gagaagcagt	ggaatgccac	ggccacggtg	600
acactacgcg	agaaggtttc	gttcacgcga	ggcgttctca	atatcttcgt	cagcggctac	660
ctcattggag	cctaccccca	atacttctac	atctggttca	gcgtgcagtt	ggcctacttc	720
atgccgatcc	gatactatgg	atatcacaaa	aagggatatc	attatttctt	tgccgatctt	780
tgctactttg	tcaatatgct	ctgcatgctc	agtatctggg	tctttccgag	gtccaagaga	840
ctattttatca	gcaccttctg	cctcactttt	ggaaacaatg	ccgttgctat	tgcaatgtgg	900
cgaaactcta	tggtcttcca	cagcatggat	aaggctcgtga	ggtag		945

<210> 9184

<211> 807

<212> DNA

<213> A.fumigatus

<400> 9184

gtgccgttga	ggaatttccc	ggcaaaggat	cattcgctga	cgtgtctcat	gcgcagttcc	60
ttcattcaca	tcatgccgcc	agttacctta	cactgtctcg	tccatctcac	tcccgcggaa	120
gtgctacgag	agagatttcc	ggcgcgtctac	gacatcaagt	tcagcaaacc	tggtcttcc	180
aaccactatt	ctcttctttc	catgatgctg	tgggcaactg	tgcccttacat	gttctggcag	240
ctgacctatc	atcttttcat	tactgtgcgc	cgtgccgaga	agatcgccgc	tgggcgtcct	300
accagcttca	cgtggcttcg	caaatcctac	gcgaagacct	ggattgggaa	gtttgtgatc	360

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agtcttccccg aatcattgca atcgccctgcc tttatgatga ttcagtacat ttatgcgctt 420
ctgaccatga ttccttgtec tctctgggtc cggttccgat gggccagcgg tgttttcttg 480
acagccctat tcgttttgag tatccacaat ggtgccactt actacattga catctttggc 540
aaacgtttcc agaaggagct ggaggagttg aagaaagatg ttgcgcgctg gcagggtctt 600
ccggctggta cgaccagctc gacgctaccg atcctgaaca acgcttcttc cgcaggggct 660
ggcatcttgg aggactcagc atctgtgcac aaggacagcg acaagtcaag tctcgacaag 720
atccccccgc ttgactctag tgcggcgctc actgccatag atggctccaa tctcgcggcc 780
gctgcccaata cgcgagagag aaagtag 807

```

<210> 9185

<211> 249

<212> DNA

<213> A.fumigatus

<400> 9185

```

gccatgcacg acatcacgct cgatcccttg ctctcggaa acctcacggg caaaactgct 60
gtcctgaccg gtggcgccgg ggggattggc accgccatcg caaaactact actggaacat 120
ggcgcgaatg tcgtagtggc cgatttgga cacaacggc ccatagtggg gacaatgac 180
gtggatcttc ctggttcgtg caagggacga gtgcagttcg tcgcaacgaa cattgtgaag 240
tgggattag 249

```

<210> 9186

<211> 591

<212> DNA

<213> A.fumigatus

<400> 9186

```

gtcacggcac tcttccagtc cgctaaggag cggttcgggt caatagaact ggtaatcgcc 60
aacgcgggag tcatggagag aacgcgggtg ttggacatgg atcagatcga cgaacatgga 120
aacctggaag agtcgcacga gttttgcaaa gtcattgata taaatgtgaa gggaaccatg 180
aactgcctcc gccatgctat ctttagtatg aaggggaacc aaccatgcta cccagatgga 240
tcgcgcggcg cagtggctct tgtgagttcg atttcgggct actttgggtg caccgggtga 300
tcagggtata tcaattcgaa gcacgcggtg acggggatgc tcggggggtc gcagctgggt 360
gcgagccagg acgacattcg agtcaacgcg gttgctccgt ttgttactcc cacggccatg 420
gcaggcggat tttccgaggc gtggcaagcg aaaggccttc caatcaatac gactgaaggt 480
gtagccacag tcgtgctgac gctggccgtg aaccctgcag aaaagggatc ttgctacata 540
gtatggcggt ccatttggca ccgtgacaac ggtgctctcc ttgatcccta a 591

```

<210> 9187

<211> 309

<212> DNA

<213> A.fumigatus

<400> 9187

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aaggcttgtc cttctatccc ggcggttagg acttcctact gggaagacag tctgcgcggt 60
cgctgggtat gctactgcag gactgacatc aatattacat ttcttctata caacggagac 120
caactggacg gctgggcagc tgcagaggct ctgggcgatt tgaatcagtc ggccctggct 180
aggacgtatc gattgcatgg tagaaacgac gtcatatgtg agctattgct cgaaaatagg 240
actacaagta ctgtgcaatt gaaagtgtta cgtgttaagc gtatcattac aatgggcatc 300
agtagatga 309

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<210> 9188

<211> 324

<212> DNA

<213> A.fumigatus

<400> 9188
 gctggtgcac cgcgtggtca tgatggtagt gttgatgcaa ccaagtatgg accaatctct 60
 ccgcaaccac ctgataactc gcgcgagtc ccgcagcacc tcttcgtggg tgcaccggcc 120
 gcgaatccga agcagtcgga gtttgattgc ctgcgcttga atatctacac gcctcgggtg 180
 gtgatttcat ctgaagagaa agtccctgtt cttgtatgga ttcatggagg tggatgggca 240
 atcgaaaacg gtaacactga cttttgtgag tccatagcct gttcgctatg ttaccgccag 300
 ttctcgacta atggagggcg ttag 324

<210> 9189
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 9189
 ggaactcggc acttttaggg tcccccccc ctggcaaaaag acgggaaagt atattgcggg 60
 gtacagatga tacgattcgg acaccaggtc aatggaactt gggttctgag cgctcgggat 120
 cagcagattc tcaatgggtgc attgtctgtt ggggtgttct gtgctgcaat catcacaggc 180
 ttctgttccg atgcctatgg tcggaaaaag gccatgatga ttggcagtat tatctgttgc 240
 gctggtgtta tgggtccaata ctatgctaca agcatcttga tgcttttttg tgggaaactt 300
 gtcgcaaccg tgggggttgg gattggccat tctgtagcac cagtctttgt atcagagctg 360
 gcaccgagct cattgagggg aatctgcctt gcgctcattg tgagtacgct cttgttgaca 420
 gcatttcggt ga 432

<210> 9190
 <211> 1173
 <212> DNA
 <213> A.fumigatus

<400> 9190
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 ggtccgctgc ctccaccaat tattgtaccg ccacacagcaa gcacactttc aggagcgatt 120
 aatgccgtct tatcattttt cacagctcct ccacccccgt atcttagcgg agtggatgtt 180
 ggccgacatt cgcaggtgtg tctcttgact ggtgtctgga tctcggtagc gtctgggcta 240
 tccgactatc gaggggagaa gggcacctac gtcacgaata aattctacag gcctatatat 300
 tttcacgaat ttctttcacg acatgagtct cgcaaaagggt actgggctcg aagctttgtt 360
 ggggtggcctg ggttgttgaa agctgagccc aactcgacgc actgggccat ccgagatctc 420
 gccgccaaaag gctttgtcag ttccgttgtg acgcagaatg ttgactcttt cactcaatt 480
 gcgcaccccg agctaccgac cattgagctt catggccact tgaagtctgt cgtctgtact 540
 agctgtcgaa accaattctc tcgcgctgag tttcagaagt cactcgagag gctcaacccc 600
 gcctgggctg agtttcttgc ccgcatggtc gaagcaggag ctctcgacac aaacaatcct 660
 gaagaacaga gacggaagg gtttaagctg aaccagatg gtgacgtgga cttggctgag 720
 gctccatact ccacgtttag gtacccatct tgtcctacct gtttggaaaa cctccaaga 780
 ctgaaggatg gcacactggc cagggtagaa gtggaaaaag atggggcatg gcttccttcg 840
 tctacagctg gcattctgaa acccgcggtc gtcattgttt gtgaaaatat tgaccctgga 900
 gtgaaaacag ccgctgaaga ggctatcgat gatgcgggga ggctactgat tctaggaagc 960
 agtcttgcta cgtattctgc atggagacta gttgagagag cccacaggag agggatgcct 1020
 atagccataa tcaatctggg aggtgtcagg aatgagtcgg tcttatttga gacgagtagt 1080
 gatgtctcat cctcacatgt tcgttgacgc tttccgtctg aggcgattct tctcctgtg 1140
 gtgtcgtctg ttcccaaact tatttacggg tga 1173

<210> 9191
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 9191

gcaaccgcct	gcgatttgcc	atcccaagat	aggccgcgcg	gggctgtgtt	caaacaagtt	60
gcgatccagat	cacctccgag	catggactat	cggaattcat	acagaaccgc	agaggattct	120
cgttcagagt	acaacaaccc	tgcttctttt	tctgaaatcg	tatctaccct	tgtgtccct	180
aaatcctttc	ttttcaataa	ccaacgccc	aaaccctcga	ctcagcagac	ttccatcaca	240
accagaggta	acatctcttc	tcagacgatg	gataagtgcg	agcaaccag	ttctttccag	300
cagctggaga	aggtgtgtga	gactgcttct	ataaccgctt	ggaaggttgt	caagggaggc	360
cgttactaa						369

<210> 9192

<211> 378

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (339), (355), (356), (364)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9192

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aaggagattc	accttgattc	ggaagaagga	acaccatcga	cagccattcg	agagatctcg	120
ttgatgaagg	aactaaaaca	tgagagtatt	gtctcgcttt	atgatgtgat	tcatacggag	180
aacaagctca	tgcttgtgtt	cgagtatatg	gataaggatc	tgaagaagta	catggacaca	240
cggggcgacc	gaggtcagct	ggaccacgcc	acgatcaagt	cattcatgca	ccagctcctc	300
aagggcatcg	ccttctgtca	tgtctacacg	cccggaaant	gccagtattc	gcgtnnaaat	360
ccnccgcgc	cccccccc					378

<210> 9193

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9193

ggcagaaggc	aagttgcttc	ggccaatctg	gccaccgtcg	aaacaccttc	cgttcatgtt	60
ctagccctga	atgcaaaggg	cgccctctct	atgggagggg	aagtaagccc	gactgaagcc	120
gatatcgatg	gtgtctttct	aatttacaat	ccctgtcctc	cccctgtcgt	gcgggtcatt	180
cacgagggtt	accaccaggg	atag				204

<210> 9194

<211> 1320

<212> DNA

<213> A.fumigatus

<400> 9194

tcgagctgtc	gaactatact	gataggcgat	gaagaggacc	cgcccgagtt	cttcagtatg	60
atcttttggtg	gcagcgcggt	tgtcgatctg	attggtgaaa	tctcgttgat	gaaggacctg	120
accgcgacca	tggatatcac	catgcaagaa	atggaggagg	aagaactggc	ggaggccgcg	180
gaagagaaac	tccatattca	cgatgagggg	tccaaggctg	ccgcgcgcgac	aggggaagcc	240
agccatgccg	caggcaccgc	agccccgggc	ccaggaccag	taccagctgc	agccgcggcg	300
gcggaacctt	cagagaagcc	ggcctcaacc	tccggatcga	gtacaccccg	cgttacttg	360
ggacaacagg	ctatcatgga	caagtcggaa	gaggaggctc	ggatggaggc	agccggtctg	420
tctcaggagg	agaagggaact	gcgcaagaag	gagaaaaaga	agggcctatc	tccggagcag	480
caagagcgcc	tggctgctta	cgaactggag	cgaaagaagg	ctcgtgagga	gcgggtcaac	540
actttggcga	cgaagttggt	cgacaagcta	agcgtgtgga	cggaaccga	caagggtccc	600
gacgtaaccc	gtgcctttga	ggagaagatt	cgcttgagg	tggaaaacct	gaaaatggaa	660
tcgttcggtc	tggagattct	gcatgccatt	ggtgctacct	acacatcaa	agctacctcg	720

tttatcaagt	ctcagaagtt	ccttgggtatc	tccgggtttct	tctctcgggt	gaaggacaag	780
ggtactctgg	ccaaggagac	ctggactaca	atctcaacag	ctatcgatgc	gcagatgacc	840
atggaggaga	tggccaagct	ggaagagaag	ggcggagagg	actggaccga	cgagaagaag	900
gcggagtacg	agaagaaggt	caccggcaag	atcctggcgg	ccgcatggcg	aggcagcaaa	960
tttgagattc	agagcgtgct	gcgcgacgtc	tgtgatcaag	tcctgggtga	caagcgcgtc	1020
aaactagaga	aacgactcga	gcgcgcgcac	gccttggtta	ttgccggcaa	tatctattca	1080
aaggtaagct	cttctcgttc	gaccgtaacc	atgtcacagg	tcgctaagcg	aaactatagg	1140
cagagcgtga	tcccaggagg	gaaggagact	acatggcctt	tgagcagctc	atggctgagg	1200
ccatgtcgaa	gaagggcaag	gacgagaaga	aaaagaagaa	ggaaaagccg	agaatgagc	1260
atcaccacca	cgaagcaacc	accgcgtaga	tacctagtcc	tgttcatatc	cttgccatga	1320

<210> 9195

<211> 195

<212> DNA

<213> A.fumigatus

<400> 9195

ctccaagtca	gcatggtcgc	agacactacc	tactacgatg	ctttgggtgt	gccacccacg	60
gccacagaac	tcgagattaa	gaaggcctat	cggaaactgg	ctattgtgac	ccatcctggg	120
gcgattactc	ctatgcctgc	tcggattctt	gctatcgatt	ctgacttctt	ccctagacaa	180
gaaccctggc	gatga					195

<210> 9196

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9196

gactgcgcat	gcgagatttc	aagcgggtgtg	tatacttcaa	tatatgcagt	tcaatatata	60
caaagtttta	actcctctcg	gcacgatcag	attggagaag	cctaccaagt	tctcagcaat	120
gaggagctac	gaaagcggtta	tgataaatat	ggaaaggaag	aatcagttcc	ggcgggtggt	180
ttcggttaagt	tgctcagctg	tgatcgagct	gtcgaactat	actga		225

<210> 9197

<211> 654

<212> DNA

<213> A.fumigatus

<400> 9197

ccttgtatag	tctggacggt	gtccgacctg	caggaattca	tgattagcac	ctttcctcca	60
gagttggcat	cgtgtgtccg	tgaagctgct	ccgatcttac	atcgttgtct	cgtgcgactt	120
ggatcgtttc	cttaccacaa	cgatccacaa	cgtactctgt	tgaggagcgt	cctgcgtaca	180
ggaatgatta	tcctgctaag	attgaatgga	gggaagcttc	ttgaacaaga	cgacggcaaa	240
gcgtcgctca	tctaccctga	tcgtctcaat	gctgcacaac	gcaccttatt	gtttcagagc	300
atggcagaca	tgcaagcagc	taacaccaat	acacctcgca	atgcggaaga	tgactttcat	360
cttcagcgag	cgcttgatct	gattacttac	ggtaatttca	gccgcaatcc	attgtttccg	420
accgctgtga	ccaaagggcc	tgagtatcct	cccgtgaac	atthttccgtc	gtccaactca	480
acgttgacaa	acggatatat	ccccgtgaag	gacttttagac	ccttgctacg	gctgatgctt	540
ctaacgcagc	tgcatgtggc	cggtattgac	ccggatgagt	tcacctctcg	cctagcgcag	600
gttgaaacgg	tgaactcatg	tcttctacca	cgggcccgcga	cggtccgcga	atga	654

<210> 9198

<211> 1269

<212> DNA

<213> A.fumigatus

<400> 9198

ccaaatctta	accaaacagg	ccccagcttc	catgacctca	catccttcaa	tgacactttt	60
cttcgcttct	cgctggacgc	tcgatccatg	aacctccacc	cattacacat	tactcagtcc	120
tccgtgggcg	agaggtgtgc	ttcatatata	acagcgatca	gtgatacact	tgcccaacga	180
atcatttcgc	ctctttctgtc	ctccaaagca	tcattctccc	tgcgcaactct	aaaccttcaa	240
cccgaactggg	ccctcgctcc	tgcagatcct	cctactgccg	ctctcaccgt	cttcgcctgt	300
gcgattgcac	tcgtcgccat	gagctggcga	ttcagcgatc	tctggcgccg	ctccccctat	360
ccggttgcca	agaccacgcc	gacgcatatc	agcgacggcg	actacaccta	cctcacgccg	420
gaggatatcg	tggaccggcc	gtcgggttac	gcggggtgcg	aggaagacga	gccagatacc	480
cttctttctca	agcatcgcaa	gaatacctac	gccttgcatc	tccccgcgta	cgccatcaat	540
gacggggcgc	tcagcgtggg	cgagttgagg	cgccggggcg	cggaggtcac	gcgcacacct	600
aaccggcgcg	gcatacaatt	actctacaag	gggaagttgt	tggatgatga	ctcggtgccg	660
tgcggggctg	agggcctcaa	gcagcagtcg	gaagtactgt	gtgttggttc	ggaggtgcag	720
cctggtgaga	gcacccccag	tgaaggctcg	gaggcggagg	cggggggcga	aaaagccgat	780
gaggctcccc	gtctagacga	ggtgcagagc	ggcggggagc	gaaggaagag	aaaccggaat	840
agaaacaaga	agaagaaggg	caagggccgg	attaagactg	ctgatgcggc	tgctgatgat	900
gcggacgggc	ttgctccgcc	ggcggaaccc	ccgcgaccgt	cctctgcagg	gggctcgtca	960
tcgttaccgg	cgccgtctcc	taacctgaaa	gtcttacgca	ccccgctcga	gcaagccaat	1020
gcgttgatca	catacctgcg	gacggagcta	ctgccctctc	gcgaggcgta	tgctcgtcat	1080
ccacctactg	atcccaaggc	acgcgatttc	gagcacaaga	agctgagtga	aacgatcctg	1140
gcacaggtca	ttctcaaagc	ggacgggaatc	gagccggacg	gtgatgagat	tgctcggaat	1200
gcgcgtaaaag	ctctggtcaa	ggaggcgagc	gcggctctca	acagactaga	ccaagctgca	1260
agggagtga						1269

<210> 9199

<211> 564

<212> DNA

<213> A.fumigatus

<400> 9199

gagttaaact	acgtgccaag	catggggcag	gccgagttta	acgccagaac	ggacgccagc	60
gccgagatat	ccgcattcgc	agttcgagca	gaaccagact	cggagcccgt	atcggaaaaa	120
caaggaacgg	cagagacagc	cgcagagaca	ggggcaggcg	ggacggaagt	tcctgcagag	180
aggaatggcg	aggatgatgt	ggagcggaca	ccaaagaaat	cgttgctcgt	taaaactcgc	240
tttataggcc	tcgctgccag	catgtttgtg	ttccagggtg	atgcaacggc	cttcggtatc	300
gcctttccag	tgagcaatac	cacgttatct	catcgggagc	tcaattgccc	caggactgac	360
ctcgccggta	gaccatcgct	gcggatctca	agggcgagag	tttggagtcc	ttctgggcga	420
acttgtccta	caccctctgt	ggcctcgtca	tgcaaccggg	gtgggccagt	atctccaccg	480
cgttcggtcg	gaaaccgcct	ctatacgtat	ccatggcggt	gttcttcata	ggatccatcg	540
tctttgccgt	ggcccagaat	atga				564

<210> 9200

<211> 1491

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1476)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9200

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acctctgtg	gcctcgctcat	gcaaccgggtg	tgggccagta	tctccaccgc	gttcggtcgg	120
aaacgcctc	tatacgtatc	catggcggtt	ttcttcacgc	gatccatcgt	ctttgccgtg	180
gccagaata	tgaacacgat	tatcgtcggc	cgcgtccttc	aaggcttcgg	aggtggagga	240

attgacgtgc	tggcggaggt	cattctggca	gacatgacga	cgctggaaga	gcgctcgaaa	300
tatctgggct	tgatggccat	ccccatggcg	attggcaata	tcatggggcc	ctccgtgggt	360
gcattgttcg	cgacgtatgc	gagctggaga	tggattggat	gggtgaactt	gccgttgctc	420
gggatcggta	cgcccttggg	gttcttcttc	ctcaagctcc	gaccagtccc	cctcgatgca	480
tcgctggcca	agaatctgaa	ccgcctcgat	tggattggca	tgggtgttgg	cgtggtcggg	540
atcacgatct	ttgtgttgcc	tctcagttgg	gcgggctcgt	tgtctccatg	gggtgcctgg	600
cagactctcg	tccccctgtt	cctcgggggt	gcggctcctg	tcatttttgc	tttttacgaa	660
gcgaggcccc	acgcgcctat	tgttctctcat	cgactcttcc	actcgaagac	gggaaacatg	720
acgttagtgc	gaggcttcc	ccatggcgcg	gtcctgggtc	cgctcttgca	gtacctcccc	780
ttaatctacc	aagccgtaca	actcgaaact	gccattttat	cggccgtctc	cctgctgccc	840
accgtgatca	ttagcgtggg	ggtcgcagcg	atctccatga	tgttggttcc	gtggtttggg	900
ggatatgtgt	ggattctaag	gctggcatgg	gtcctcctca	cgctgggaac	cggtttgctg	960
gccctgttcg	acgtcggatc	gtcgtcatcc	atgcggctcg	gacttcccat	cctctggggc	1020
gcgggggttg	ccttgctgcg	tctcaacctt	cttcccatgc	aagccagcgt	caagaatgtc	1080
gacgacaccg	gcctggcgat	cggacaattt	ctcacaatcc	gcattgttgg	cggctctcgtc	1140
ggcctcacaa	tctctgcaac	cattttcaac	tctgtcttct	cgacttccat	ctccgccact	1200
gcagtcacc	tgaccgggtc	tctggccctt	ctcaaggacg	tcgccaatgc	agttgccttt	1260
attgacaagc	tacggtcaat	cgacgttcgg	gtcgaaacac	gcgatcaggt	tctgatggtc	1320
tatctcaagt	gcttccacac	catctttttac	actatgacag	ggcttattgg	gctggggctg	1380
gtgacttcgc	tgtgtgtgga	tgatattgat	ctgaagtcgc	agggcttggt	ggatccaccc	1440
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<210> 9201

<211> 399

<212> DNA

<213> A.fumigatus

<400> 9201

caatacccag	acttttctatc	gacagggcgc	ttcogtatcc	tgtgtctcac	gtcttccgac	60
cttctggacc	ccaagggcgt	ttccgcccag	gtattgacat	ctctcggatc	atctgtcctt	120
ccacgctttc	cgcccaacgt	gattgagcaa	gtggttatcc	accctcgctt	gggcaagacg	180
ttcatgtggc	aggatgtgcc	aaacgaactc	aagaaacact	cggagatgcg	attctacagc	240
ggttacgcgt	tagacgatgt	ctacaagatc	tacggcgtag	acgagacaag	gggtgctctg	300
gctgtcgttc	gacctgatgg	ctatgttggc	atggtggcgg	ggttggcgga	tctagagcgt	360
gtacaggagt	atctagagag	gtgcataagg	actatctga			399

<210> 9202

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9202

ccccgagaac	cccaagaact	ggccaaacaa	gaagaaatgg	gctgctatta	tcacggtttc	60
cttttcaactt	ttatctcccc	agtatcatca	tccatggttg	ctcctgcgtt	gocgtcgatt	120
gcaagcgatt	ttcatatcga	ggagcaggtc	tcttctcagc	ttactctgtc	cattttcgtt	180
ttggcc						186

<210> 9203

<211> 384

<212> DNA

<213> A.fumigatus

<400> 9203

gcggggccat	tattgataag	caatggcatt	attctccaca	attctcacgc	gttccgctgg	60
catctatcgt	cattccccct	cactgttgc	aactcccga	agcttataaa	tcaacaatct	120
gtgctgccta	tatcaacgga	gcgggaaact	gcgtactctc	tctgtgattg	tcaacatctc	180

accatccgcg	aacataacag	caccatgtct	gccccaaaa	tcacctctta	caccaaccac	240
cgatgccct	gggcccacag	agcgcatatc	gccctcaagg	agctcggcct	tgactacgaa	300
gaggtcatca	tcgatctcaa	caccccgct	gagccatggt	atctcgagat	caaccggta	360
ggccgccttc	agccctggga	atga				384

<210> 9204

<211> 270

<212> DNA

<213> A.fumigatus

<400> 9204

cagccacagc	gcggcctcgt	ccccgccatc	tcctacaacg	gcaccatcat	caccgagtcg	60
gccatcgteg	cccagttcct	cgcagacgcg	catccatccc	acctccttcc	tcctccaat	120
agcgtcgaag	gcgccctgca	gcgcgcccgc	atcgcttct	tcgtcgatac	cttcttcagc	180
aagggtcgcc	cgcactttc	tggcttctca	gcgcgccaca	agcgaccagg	accgcgttgc	240
agcgggggag	gctatcgttg	cggccattga				270

<210> 9205

<211> 288

<212> DNA

<213> A.fumigatus

<400> 9205

aaaagagatg	caagtggaaa	cgagttgaat	tcactcaaaa	cattgagaat	tgcatgcttc	60
aaaatgcgag	ccattgcttt	ccttctgctc	tttacttggc	tgttcactgc	atctgggacg	120
attcttgaga	acggccaggc	gcggttgaac	ccgtatccgg	gacaagcgga	gatcatcact	180
ctggacaaaa	agacatggag	gaactataag	ccgagcgcaa	aggagatctc	ctacaagggg	240
aggtgggacg	acaagcatat	ttcttgtgag	tccaacagga	caacataa		288

<210> 9206

<211> 636

<212> DNA

<213> A.fumigatus

<400> 9206

gcatggtat	ctcgagatca	acccggtagg	ccgccttcag	ccctgggaat	gattccgtac	60
tctaacagcc	acagcgcggc	ctcgccccg	ccatctccta	caacggcacc	atcatcaccg	120
agtcggccat	cgtcgcccag	ttcctcgag	acgcgcaccc	atcccaacct	cttctccct	180
ccaatagcgt	cgaaggcgcc	ctgcagcgcg	cccgcatcgc	cttcttcgtc	gataccttct	240
tcagcaaggg	tcgccccgca	ctttctggct	tctcagcgcg	ccacaagcga	ccaggaccgc	300
gttgacagcg	gggaggctat	cgttgcggcc	attgagaagg	aactcgagcc	catcctggcc	360
tcgcagaagg	gccccggtcc	attcttcggc	gggagggaga	agttgacct	ggcggagggtg	420
ttgattgggt	cgttcctgtt	acggttgctg	tcgttccata	agcctgagca	tgggctgctg	480
agggaggatt	tgccgcagct	gttgagagaag	aggactccgg	catttacgaa	atgggccaat	540
gcgacggtgg	agcaggagag	tgtgaacttt	atctgggatg	agaagagcgt	tgtggagctg	600
acgaagaaga	agattgcatc	gctggcgaag	aatga			636

<210> 9207

<211> 183

<212> DNA

<213> A.fumigatus

<400> 9207

ctctggtcat	ttcatttaac	agtagtggtg	ctctcagtgg	ctgatattcc	cgtaagtc	60
aaatctccga	gacagtccac	agttaagacg	gctatgtccg	ctctaataga	tcgagagttc	120
gtcaacgttc	ttttccgtct	tgcattgtca	atgttgacac	aatcaattt	tacatggttc	180

tag

183

<210> 9208
 <211> 573
 <212> DNA
 <213> A.fumigatus

<400> 9208
 acctccaaaa tggcgacact caagtcacgc aacatcatcc tccttctcac gagtctactc 60
 tcctctctcc acctcgcgac atcccaaaga accccaacg aaaacctcgt cctcgccgac 120
 tgcggcatcg gcctcggcgt caacggcggc tcacacctcc gcgaaatgat ctactacccc 180
 ggcgacgtct ggacgggcaa cggcgccgac accaacaac caacaatgat ggtcaacgtc 240
 ccctgggtccg gttcatatcc ctggggccaa aacggcggcg tgtccgcacg catgcccac 300
 ggcgacgtgt ttaccgtaca cattaatccg aagatcaagg accccattgc tgcgggcgac 360
 gcgtggcata tgtacgagat gaatttgccg ctcaagtgtc atagttatca taaagataag 420
 gtttatcagc ttgatgatgg caagtgggtc tcgagtgcgt atgtgtgcaa ccatcggggc 480
 acgcccacgc cgcattgtaa gccgtctccg gcgccgaaac cggggcctgt gccggtgaac 540
 acgaattccg ccttcggggg gtgcgatttg tga 573

<210> 9209
 <211> 903
 <212> DNA
 <213> A.fumigatus

<400> 9209
 gcgctcgcaa tgggtgccct taaccttccc aaactagccc tgttcatctc gttcctagga 60
 acctgcctag cagagtcctt caccocgttc ccagacaccg ccagcgaact tgccatcaag 120
 ttccaacccg tcctcgactt cgacacggac agctgctacc agaccgcggc catcggcaaa 180
 gactacaagc tcaactctgg tatcgaccca accctcgctc caccocgttc tcaggtcca 240
 gggccaatcg ttcgagccgc caccgacgac gagcaagtca tctttgcagc caacgccagt 300
 gacagcgaca gcgacagcca gattgggatc cgtcggggcg gtccctttgc gccctctgga 360
 tgccgcgaca agggccgact agaccacagc cagacgtacg tccgtgagcg ctgcaaccgc 420
 ggctgggtgc cgtatctgta cgggtactac tttgaagtgc acagtggctt ttcaaacgca 480
 cacaagcacg actgggagca cgtcatcgtg tggacactcc atgaccaagt gttttttgtc 540
 tcgtgggtccg cgcacggcga ctacacgacg cactactatt ccacggtcgg gttcgaaggc 600
 tcgcacccga agatcgtgta ccacctcggg tcgtcgggta cgcactcgtc gcgcaaggcc 660
 gaggccaagg acgataagat tgaaaacgat accgggcggg ggtttcgggc gccgctggtt 720
 tcgctggaga agatgccctg caagttaaat cggtgctgc tgaatcataa ttggggcagt 780
 gcgcatagtg atttgagtcg gcttggggag aagctggata agtggatgcc gtgggatgcg 840
 aggaataatg agaaattcaa cccatgggag cccaagggtc ctttgtgggc tgtgaggag 900
 taa 903

<210> 9210
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 9210
 cactttctctg ttccccacca attaacaaca ttgcttcaaa ccccccctac cccagcaac 60
 accaacaacat tatttttttc aaaacatcac aaatcgacc cccggaaggc ggaattcgtg 120
 ttcacgggca caggccccgg tttcggcgcc ggagacggct taacatgcgg cgtgggcgtg 180
 cccgatgggt tgcacacata cgcactcgag caccacttgc catcatcaag ctga 234

<210> 9211
 <211> 228
 <212> DNA

<213> A.fumigatus

<400> 9211

gctgccactt	ctataccaca	agccctacca	atgccctacg	ataactaatca	acccggcgctc	60
cccagggagt	tctcgtcgaa	ggaccttcga	accgtttggt	actacaccct	tggaaggctg	120
attgggaaag	gctcctttgg	caaggtttat	cttgcttccc	acaagctcac	caatgggtcc	180
aaggatttat	tcaccccgcg	gccgacccaa	gaggcagaac	cattctaa		228

<210> 9212

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (152)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9212

gttgtgctca	agtcctcccc	aagggaggat	acgaatctcc	ctcgcgagat	tcatacccat	60
cgccagttcc	tcaccccgca	tatcgccgt	ctctatgagg	ttatagtac	agaaaagctg	120
gtctggcttg	tactcgaata	ctgtccaggt	angggaaagt	tgcaacgtga	tgcaatcggc	180
taccgctga						189

<210> 9213

<211> 1635

<212> DNA

<213> A.fumigatus

<400> 9213

cctccgttca	gctctgctca	ccaatcatca	ccctccctct	ttgaaccatt	ccttgccgcc	60
ttgcccttgc	caacacccag	catagccttc	accgcacttg	ccgcactcag	accgttcgtg	120
tccgcggtta	cagcattcaa	cccttcgtat	tctctatact	ctgcccttgc	agcttcttac	180
accttcacgc	tacacggaaa	cctcgtcgga	ttgagctttg	cactgtcgac	ttcgggcata	240
aacgtgcgaa	aaggactctt	ggatatttcc	gcggaaccgg	gataccgtgc	atttgacgtg	300
ttctactatc	ttgtgacgtc	ctcatcgacg	cctgcggaac	gggaattttt	agccctgaag	360
gacccctctg	cgtatacatt	actcaacagg	tcaggtaact	attcacctcc	atcatacttc	420
ccaaccgccc	acgatgctgc	ggcggcgagag	gatttttaggg	cagcggttga	ggccattggg	480
atcaaagggtg	cctcactcgc	cggtttactc	tccattcttg	caggccctact	caagctcggg	540
aatgcggctg	gctttctggt	cgatcaggag	gagctcgagg	acgtatgcga	agagggtggg	600
ggactgctgg	gattagatcc	ggagggtgctt	cttcacaagt	gttccactga	agatcgcgag	660
gtattgatcg	cgggcactca	cgaagcactg	gtcgactggg	tcatacgtga	agccaacgaa	720
actattgcga	atgagctccg	ggcaaaccag	gaagggtgact	caggaagcgg	atcagccggc	780
cagtgggtcag	acgaagacac	cgtgggtatc	acggtcgtgg	atatccctag	gcctgccttt	840
ggtaaagctg	tggtcattgag	aggagtcttt	gatgataccc	ttggtatcaa	tgcagagatg	900
aaggaggatg	gcgtccaggt	tcctcccgtc	ggacactctg	tactcaatga	cttgaacaat	960
tccgtagcgc	aggtcgagcc	agatttggga	attaccactg	gtcctgcctg	gcgtgaacgg	1020
gaatatgagc	tcgacaagag	gcaggaagtt	ctcgaaaaag	tcggattaga	ggttgatatg	1080
gactcgttcc	tccggcagtt	actgtttccc	gtggaagctg	aagggattac	tgtcggcaaa	1140
agagggcggt	ttgacctcat	gactaccttg	ggtagcagtc	gagtcctggc	ccacatctcg	1200
atccatccaa	ccgaccatac	ccctgactcc	ttaaaccgac	cctcgcccac	cgccgcctgg	1260
tctgcaggta	cggtttctcg	ccaaatacgt	gagtggagac	ttgccgaatg	ggccaatcga	1320
cgtctgaagc	agatggattt	tacggccgac	tttgacgtag	aggagtgttg	tagccgttat	1380
tcgcgattgg	gctgtagaga	aggaagggac	ggtgtggaga	gctggttgat	ggaaagaggg	1440
tggaccaacg	gcgacgcctt	tgtaggccat	caacggatct	ggatgcgtga	gaatgcattg	1500
tgggaagcgg	agacgatgct	tgatctcaag	ccagatgaaa	cacccggagc	aaactcgtat	1560

atgtacgcca gtggcatgct tgacaatggc gtggcacacg tcttaacgac gatatgggtc 1620
 tacgcgtcga aaaaa 1635

<210> 9214
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 9214
 tccgactttt tcgagaactt cctgcctctt gtcgagctca tattcccgtt cagccaggc 60
 aggaccagtg gtaattocca aatctggctc gacctgcgct acggaattgt tcaagtcatt 120
 gagtacagag tgccgacgg gaggaacctg gacgccatcc tccttcatct ctgcattgat 180
 accaagggtta tcatcaaaga ctctctctca tgccacagct ttaccaaagg caggcctagg 240
 gatatccacg accgtgatac ccacgggtgc ttcgtctga 279

<210> 9215
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 9215
 gcagaacggt tcatctctgt gcaacttata ttgggatcca cgccctggata catgtactcc 60
 ccttttcata ggactcatct gcgtagacga tgctacggga ccctctcggc tttcagctac 120
 cccagtatga ccgcagaagg acgtgtcgat aataccatga ccacttttgg tttgataagc 180
 gtctctgtga 189

<210> 9216
 <211> 732
 <212> DNA
 <213> A.fumigatus

<400> 9216
 actttcttcg agatgcttgg aaattggagt tttggcgact atttcaagga agatgcaatc 60
 cgatactcat gggaactttt gacgaagggt tacgggttgg acccacaacg cctctatgtt 120
 acctactttg agggtcacga agagggtgga ctcgaaacctg acctagaggc aaaagctcta 180
 tggagagctg cgggtgttcc agaggatcat atccttccag gaaacatgaa ggacaatttt 240
 tgggaaatgg gcgaccaggg cccttggtgg ccctgtagtg agattcatta tgatcggatt 300
 ggcgcccgca atgctgtctca tcttgtaaat caagatgatc ctaacgttct tgaaatatgg 360
 aacaacgtgt tcattcagta taatcgcgag tctgatcggt ctctgaggcc tctgccgaat 420
 aagcacgtcg acaccggaat gggatttgaa agattagtct cagtgttca ggacaaatca 480
 tccaattatg atacggacgt gttctctccg ctgttcaatg ctatcaaaaa catcaccgga 540
 gcccggaat atcgaggaag gtttggtgcc gatgattccg atggcatcga cacggcttat 600
 cgtgttgcg cgaccatgt ccgaacattg acttttgcca tctcagatgg cgtgacgcca 660
 aacagtgatg gtcgtggata tggtgttcga cggctctcac cacggggccg gaaggatccg 720
 cgcaatgcga at 732

<210> 9217
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 9217
 gtatgttcgt cagtagcatt cgagtcttca tcaatcaata tcagcgctca aatttcgatt 60
 tatagtcttg gactaaaact ctcatctcat ctagaaccgc gtttggttgg cacacctcag 120
 atatgtggtg ggggtacatc ttcaattcag tcaaattcgt ttgatacgac tgagcggatg 180
 atgttggatg acactaagca tacaatatat attcatgatc ttgattctga gctagcagat 240

tctgatgctc	aggagtactc	aatcaccttt	ttgcccgcaca	tcgggggcaa	gttggggacc	300
ttgccgaagt	tattgactgt	tgatacacia	cctcagaaca	aggaattggg	cctctacagg	360
gatcccaaat	ctctaaccct	tccagaggag	gatgattatg	tcgggagagc	catccttgag	420
tcccgagat	ct					432

<210> 9218

<211> 840

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9218

tcgtgtcggc	ggccctcggg	aanatttcg	aaccgttcaa	tcgccattga	ttttgcggac	60
gatggtcact	acgaagcaga	tgatgataag	cgaaggaacg	agcctcgctc	gatagatttt	120
gggccacggg	caattggcga	tcaggaaaca	cgcaaaaagg	accgcaaagc	gaagaagcga	180
acgagcaaaa	agcacaagc	ccgcaaggaa	gataatgcc	acaccttgga	cactgatgca	240
tcaacacagc	gaccgtgect	gccgtctcct	cagcctgtgc	ctgggtcctga	tggcatcaac	300
tcgtcccagc	aggetgaggt	tgctgcggcc	ctcccgaaga	gaaggctctc	atttcgcccc	360
gcaatcccat	cgttactatc	caatactgtg	ttttcaaaca	ctgccgcttc	gaacaacctt	420
gctccaggag	aacctgggtc	tcgacgcacg	cgggtctctc	catctcacat	gaatcgtcct	480
ccccagttg	gaaacgcagt	acagtttgct	agaggtgccc	ctcgtatgcc	aactacgctt	540
gatgtcacgg	ctaacaatgc	tcctcctgaa	cacaaagaac	ctgagatata	acgcacggct	600
gccgtgggtc	tgttactggg	gtcaactgcg	cttgctgcgg	tttggtgccga	gttcctagtg	660
gacgccatcc	cagaaatgat	cgagagctca	tcggtcagcg	aggcctttat	tggtctgatc	720
attctgcca	ttgtcggtaa	tgctgcagaa	cacgttactg	ccgtcagcgt	ggccaccaag	780
aataagatgg	atttgtccat	tggcgtgtca	gtgggaagca	gtattcaaat	cgggtgagtag	840

<210> 9219

<211> 312

<212> DNA

<213> A.fumigatus

<400> 9219

atatcactca	gtgaacttgc	cttaactacc	acatactact	acacatacat	tgcgagcagc	60
atgtcctact	acggagaaaag	agatacctac	tacggaggcc	cgcgcgaacc	cacctacggc	120
cggcctccct	acgaccgacc	cccctacgag	caacagcaac	agcaacaacc	accctacaac	180
cgcctccct	atgacatccc	accccaggat	tcacctcgt	acaaccgccc	cccgtacgag	240
cggacccct	acgaacgtcc	tcccccgaa	cgtccccct	cctccttcga	tccatccgc	300
ccccgtact	aa					312

<210> 9220

<211> 303

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (94)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9220

cgagtcctt	gctgtcagaa	tgctgataca	gtacaggcgg	ctgtcacgtc	cggtaaacca	60
-----------	------------	------------	------------	------------	------------	----

ccgctcccca	tcgcccaga	atactgtctt	cggngcgatg	gtgtgctgcc	gatgacctac	120
aatgcaaagt	ggaaacgtct	gcatgccttt	ttgaagcagc	tgcttaatgc	caaggcatcg	180
gcggcggttc	tcctcagcca	ggaatttgag	atcaagcaac	ttttatggga	tctcagccat	240
gatgctggga	aaaacagcac	agattttctat	atgcacatcc	gccgcatgac	cttctccatg	300
taa						303

<210> 9221

<211> 564

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (543)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9221

tatgtggctg	ctcattattc	tcccatcaaa	agtgtctcct	atttctctta	ctggaaccgc	60
tgctgtgtga	agtactctga	gccagacatg	gattccctca	aagccattga	cctgcccctt	120
cctcctcact	togtgcctgc	tcttggcaga	cctaccgtcc	ttgtgggctt	tgctgtgttt	180
tttctattct	cccaacttct	ggtctggact	gccaagtact	cccgaagaa	gtccaagggc	240
ctggcagata	tccctggccc	atctggatgg	cggattatcg	ggattggcct	ggatctaccg	300
gctcgccgcg	gcaaattgtt	aaactcctgg	gcaaaccagt	ttggagatac	cttcaagggtg	360
cgctggggct	ggtacaactg	ggtgtttttc	aaccatccag	atgccgtcaa	ggaagtgttt	420
gatcggcagg	taatccaacc	cccaactagc	gagtccttgg	ctgtcagaat	gctgatacag	480
tacaggcggc	tgtcacgtcc	ggtaaaccac	cgctccccc	cgcccaagaa	tactgtcttc	540
ggnngcgatg	tggtgctgcc	atga				564

<210> 9222

<211> 1098

<212> DNA

<213> A.fumigatus

<400> 9222

cgtccgcgta	ccggcttcgc	atccctcagt	gggactgcc	ggaaggctcg	tgatgtatac	60
ggaaacatgc	ggatgctttc	aatcattcta	agccccgggg	tggtctggat	tgacgtgttc	120
ccgccgctga	actggctgcc	ccggtttcta	ttcccttcat	ggcccaaagc	caagttcatg	180
gcgcagagga	tgacgcgaaa	caagatgagg	cactggaaca	acctcaagga	gcggattgcc	240
ctcggtaaat	cgcccgattg	ctttgtctaa	gacctcatgg	agtcaaaacta	ccgcgattac	300
ggactcgagg	aggagacagt	ctcctggcta	gcgagtgcgg	tgccggaagc	cggagcggag	360
acaacggcca	gcgccctcaa	cggcatgata	aggtacctgg	ccatgttccc	ggaggcacag	420
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atcctggaaa	ggaatccggc	gcgggtcccg	cttatccggg	agtcgtggga	acaggcccag	1020
aaagatggat	acatcctgcg	aggcgtacat	gtcgacgcgg	atggaggagt	gagaggcagc	1080
gcaaaggtaa	aggtataa					1098

<210> 9223

<211> 237

<212> DNA

<213> A.fumigatus

<400> 9223

cgaaacacga	actcttgttt	ccttgggata	ccgcgtcaag	gcgtcatgcc	atatgcgagc	60
atgtccaacc	tgctctggaa	gtggaagcgc	cagagctcat	tcagtcoccta	ttggattcga	120
agtttccctt	ctctctccac	aattactgcc	tgctgcttgg	ataaccatgc	actagcagtc	180
gacggagagg	cttacatgac	taagtggctg	aactggcacg	atcaggaggg	cagatga	237

<210> 9224

<211> 1005

<212> DNA

<213> A.fumigatus

<400> 9224

aaagacgagt	ttccaggaca	gcaacgcacc	gttcattttac	ccactagtcc	caagtcgacg	60
acgtccaatg	aagcacttct	tagcgattcg	tctccacttc	aattggagaa	atccaacatc	120
ctcctacttg	gaccatcggg	ggtgggcaag	acactgatgg	ccaaaacgct	tgcaagagtt	180
ctctcggttc	cattcagcat	atctgactgt	acgccgttca	cgcaggcagg	atatatcgga	240
gaggacgccg	aggtaagtgt	tcaccggctc	ctcgggggtg	cgaaatacga	cgtggagcag	300
gccgagcggg	ggattatcgt	gctggatgaa	gtggacaaaa	tagcggccgc	aaaagtcagt	360
catgggaaag	atgtcagtgg	ggaaggagtg	cagcaggcac	tgcttaaaat	aatcgagggc	420
acaacagtcc	aagttcaagc	gaagcaggag	agaaatgctc	acagaacaag	tggcaccccg	480
agctcatatc	catcaaacia	ccctttcggg	aattcgccgt	tctcgcaatc	tcctacaggc	540
aacgcccccc	agaaagggga	aataatacaat	gtgcgcactg	ataacattct	gtttatatct	600
tcaggtgcat	ttgtggggct	tcataaggtc	atcatggacc	gcatatcaca	cgggtcaatg	660
ggattcggcc	aacctgtccg	ctcacagtgc	agtccaaccc	atcgaccgag	agatccgctc	720
gccactacac	ccaaccagcc	tggtcccatc	ttaccgggat	ccgaagagga	agctctgtac	780
aagaaacacc	tgccattctt	cacagcagct	tcacccacat	caccagacgg	tgaaccaccc	840
tatttcaacg	ccctggacct	cctcaacccc	acagatctgc	aaaactacgg	cttcattcca	900
gaattaatag	gccgtatccc	ggtcactgct	gcactatcaa	ccctctctca	acccttactt	960
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<210> 9225

<211> 678

<212> DNA

<213> A.fumigatus

<400> 9225

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tggggcaaat	gcgggtttac	atctactgct	aaatcctttc	ccacttactc	tgagtttaat	180
agatcggatt	ttacaaacca	gccctggtct	agcatctatg	aagctggggt	accaaccgct	240
ggccctcttg	ggtccactcc	agcgtttgga	gctcctcgca	taacacccaa	gaccttgaaa	300
caatatctag	atcagtttgt	ggttggaaca	gatcgagcaa	agaaaattct	cagtgtcgct	360
gtattcaacc	attaccagcg	agtgcagag	cttcagcgaa	gggaggaaga	gaaggcggaa	420
ttgctagcaa	ggcaagcccg	gagagaagca	ttggagcatc	atcctgcaga	gggtaagcct	480
tatgtccctt	ggaattcttc	tcaaagtacg	ctaaacattg	aaaagacgag	tttcaggagc	540
agcaacgcac	cgttcattta	cccactagtc	ccaagtcgac	gacgtccaat	gaagcacttc	600
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<210> 9226

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9226
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 aagggggctc tcttttataat taatactatt aagggtcatg ctatatttaa gaaattctat 180
 ataaactatt aa 192

<210> 9227
 <211> 453
 <212> DNA
 <213> A.fumigatus

<400> 9227
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 ctccccatcg gaggcagcgg tttctgctgg ggaggcaagc acactgtcaa tctggctcac 120
 ggatttgaag tagacggcaa accgttgatc aatgctggat tcacgagaca tcctagcctc 180
 ttgaacatcc ccggggagat tgagaagata acgatcccag ttagtcttgc cctgggggat 240
 ttggatgtga ttgtgaaaaa gccgcagatt gaggcagatca agaaaattat ggagggtggg 300
 gagaagggtg gtgagggtgaa ggtttactat ggggctagtc atgggttctg cgtgcgagca 360
 gaccgtcttc tgaaagatgc agagcagcaa gctacggagg cggaggatca ggctctggat 420
 tggtttaatc gccacttcgc taatgtgcaa taa 453

<210> 9228
 <211> 927
 <212> DNA
 <213> A.fumigatus

<400> 9228
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 cataaggggtg acaaacgccc tttgaaggca gcaccgggtga agatacgaag tctgacctt 180
 cgatatccat cgcggctcga cgctcctgct ctccgaaacg ttactctcgc catagctgag 240
 aattcttgca cagcgattgt aggcggctct ggatcaggaa agtcgacat cgcacacctg 300
 attctgtctc tctatgaaac accgctgtct atgtgcaga cgcgacat ctcaattggg 360
 ggtttgata tccggcggct ccacactcgg tccctccgtt cactgatatc gattgtttca 420
 cagcagccta cggatttccc aggcaccata catcacaata tctgttacgg tttgagagac 480
 gagtcgcccc tccgtgagtt gcacaatggt cgtactgcag ctcaagctgc gggcatcgat 540
 gacttcactc tgtcactccc cgacggttat tgcactatca ttggggacgg tggcgtgggc 600
 ctgtccgggtg gccaggcgca aagattggcg attgcacgag ctcttgtacg tcggccgcag 660
 gtgctgatcc tagatgaggc aacctcgaac cttgatccag agagtgcata ggtgatccgg 720
 cagacagtgc agaggctggt gtcggctcga ttaggcctta ccgtgataat cattacgcat 780
 gccagagaaa tgatggagat tgcggataat atcgtcgtcc ttcaacaggg gtctattgtg 840
 gaacagggcc cttacgaggt tcttgacagg cggcgcgggt gaaagttgaa agctttgata 900
 gaggacagtg agggcgtaga ctcatag 927

<210> 9229
 <211> 618
 <212> DNA
 <213> A.fumigatus

<400> 9229
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 tacttcatgc attatctttt ggaagcttca ggccaggcct gggctgatca gcttcgcaag 120
 gaggcattca gacgagtgtc ggaccagcct cggcagtggt tcgatgaaga aagcaattca 180
 ccatccagga tcaactgatg tctagatcaa aacggggagg atatgcggaa cctagtaggc 240
 cgtttcggcg gctacgtcct ggtagctgtg gcaattacca tgaccgcagt catttggtgt 300

ctagtcgtct	gctggaagct	caccctgggt	gcactgtctt	gcgggtcccgt	catttatgcc	360
attaccaggg	gatttgaagg	aaccagcgga	ctgtggcagg	gacggtgcaa	tgaagttgcc	420
aggaatgcat	cagacgtatt	tgctgagaca	ttctcagaaa	tacgaactgt	gaggacccta	480
acgctcgagc	cattctttca	caagaaatac	ttgatggcgg	cgtcaaaatg	catgaaaata	540
tgctcaaga	ggggcgcttg	cactgggatt	ttgttcggcc	ttgtagagtc	gacaataata	600
ttcgtgagtg	gtgagtag					618

<210> 9230

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9230

agagagagta	cgtacacaca	ttcgcgga	atatccaatg	gaccgtacat	gagctatagc	60
aacaagaaat	acacaacgca	ggcgaaatat	gacccatgcc	gtggtctaac	tgataactcc	120
gtcgctcaca	gcactattgc	ccctgtttca	ttcttaggga	gcaggtttcc	tggtccagaa	180
tggtga						186

<210> 9231

<211> 258

<212> DNA

<213> A.fumigatus

<400> 9231

actgggcatg	tagctaagga	ggatgagatc	gagcagaatc	tggatcttct	gtccggtgct	60
gccagtcgcc	tgaatggact	tgctcgtgcc	acaggccgcg	aacttgacga	gcagaacaga	120
cacctagaac	ggatcatggg	caaggtaagt	gttccagcgt	gcttctctag	tgctgtgga	180
cttactgact	tgctgcagag	cgatttcgtc	gacgaccaa	ttgctatgaa	tcgggccaag	240
ctggaccgta	ttcattaa					258

<210> 9232

<211> 201

<212> DNA

<213> A.fumigatus

<400> 9232

gctcatcttt	actcgactca	cattagtata	tgtctaattt	caaccagggc	cgcgatttcg	60
ggcaccgcgc	tcgctttcag	agatcgcttg	atcattgagt	ggaataaaac	gcagcagcgt	120
caatctttcg	ccgaccagaa	gagggcttat	tgtaggtgct	actgcttgga	cgtcccgatc	180
tacctcgtga	aattttgcta	a				201

<210> 9233

<211> 1779

<212> DNA

<213> A.fumigatus

<400> 9233

tttcggaaaa	aagagggttt	gaaggacctt	ggttttcgaa	ttgaggacgt	catcaaccaa	60
gagcatgatg	ccgctctggg	aaacggaggc	ttggggcgctc	tgcccgcgctg	cttccttgat	120
agtatggcga	caactgaacta	tccagcctgg	ggctacggat	tgcggtacag	atacggtatc	180
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caagctgtgg	cctacgatgt	cccgatccca	ggatatggga	ctcgcaacgac	gaacaacctc	420
cgactgtggg	cgagcaaggc	agccagtggg	gagttcgatt	tccagaagtt	caatgccggg	480
gactaccaga	gtgcagtcgc	ggaccaacag	cgtgcagaga	ctatctcagc	ggtgctttat	540

cccaacgaca	acctagagag	aggaaaagag	ttgagactga	agcagcagta	cttctgggtgc	600
gctgcctcgc	tctatgacat	tgtccggagg	tttaagaaga	caaagagagc	atggagcaag	660
ttcccagagc	aggttgcaat	ccagctcaat	gacacccacc	ctacgcttgc	tatcggttgag	720
ttgcagcgca	tactgataga	tcaggagggc	ctcgagtggg	acgaagcgtg	gacaatagta	780
acaaagacct	ttggctacac	aaaccatact	gtcctgccgg	aagcgttgga	aaaatggtct	840
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ttctttttgc	agtccgtgga	aaaaaggttt	cccagcgata	gggaaatgct	gtcccgcgta	960
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tgcacaagg	tcaacggtgt	tgctgaactg	cactcggatt	tgatcaagac	gacaatcttt	1080
aaagactttg	tgaaaatcta	tggaccagac	aaattttacca	acgtcaccaa	cggaatcact	1140
cctcggcgct	ggctccacca	ggccaacccg	cgcctatctg	acttgattgc	ttcgaagctt	1200
gggggctatg	acttcttgaa	agacctgaca	cttctcgatc	agctcgaagc	ttatgttgat	1260
gacaaggcct	tccgagcaga	atggtcggag	atcaagactg	ccaacaagct	gcgactcgct	1320
aagcatatca	aagacaccac	gggctacagc	gtgaatccga	acgccctggt	cgacgtccaa	1380
gtaaagcgaa	tccacgagta	caagcgccag	cagctcaata	tattcggtgt	catccatcgc	1440
tatttgatca	tcaaagccat	gtcgcgggaa	gagaaggaga	aactcgtgcc	ccgagtgtct	1500
atctttggcg	ggaaggctgc	accaggttac	tggatggcta	agactataat	tcacctgatt	1560
aacagagttg	cggcagttgt	caacaacgat	gccgatgtcg	gtgatcttct	gaaagtcac	1620
ttcattgaag	attacaatgt	cagcaaggcc	gaatcatctc	gtcctgcac	agacattagt	1680
gaacatatct	ccactgcagg	cacagaagcc	agcgggaaca	gtaacatgaa	gtttgttctt	1740
aacggggggt	tgatcatcgg	aacctgtgat	ggcgcta			1779

<210> 9234

<211> 618

<212> DNA

<213> A.fumigatus

<400> 9234

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ctggaaatcg	aactccccac	tggctgcctt	gtcgcaccac	agtcggaggt	tgttcgtcgt	120
gcgagtccca	tatcctggga	tcgggacatc	gtaggccaca	gcttgaacag	cttcaccgtc	180
ctgccaggag	tggatggtct	tgcctgtctc	atcttggtac	gttcttacc	aaccgtagaa	240
ttggatatca	acagtgat	cgtgtcgagg	gaattcccag	gggttgaaat	caagccagta	300
gtcaggaatc	tcaacctgat	agccatccac	aatctcctgt	ttgaagatac	cgtatctgta	360
ccgcaatccg	tagccccagg	ctggatagtt	cagtgtcgcc	atactatcaa	ggaagcacgc	420
ggccagacgc	cccaagcctc	cgtttcccag	agcggcatca	tgtcttgggt	tgatgacgtc	480
ctcaattcga	aaaccaaggt	ccttcaaacc	ctcttttttc	cgaaatcagc	tactactttc	540
gagtttgacg	gtccggaag	gcgaaggcct	acctcgggca	gcaccttcca	tcccaacatt	600
aagcatcgca	ttgtctaa					618

<210> 9235

<211> 207

<212> DNA

<213> A.fumigatus

<400> 9235

cgaaatgcc	cggttaattt	aaaccaccat	ttccgtgttt	actcccagaa	tgtctatggc	60
ggatttggca	aaggtctcta	cgagggcagc	tgggctacgg	gccccgaaaa	gaacgtattc	120
ggcaatgtta	gcttgggcag	ccttgtggcg	gggacttcta	ggaagctgaa	gcattgtatgt	180
tatatcctgc	ctattggctc	tgcttaa				207

<210> 9236

<211> 474

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (58)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9236

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tggtagaacg	gcggtctggg	cggtgcaaag	ttccaagtcg	caccctactc	tcgcattgct	180
gccgtgttcc	tagccggaac	agatgcattg	cagttgcgaa	tctatgcaca	gaagccagat	240
aacacaatcc	aggagtatat	gtggaacggt	gcgtcgaatc	ataagtctct	tgatgtgctt	300
tctaacctgc	atcttaggcg	atggctggaa	ggagggcacc	aacctgggag	gtgctctccc	360
cggcactgga	atcggagcca	cctccttcgg	ctataccgac	tacaatggcc	caagcatccg	420
gtacggcact	gccatataca	catcctgaat	acgggaacgc	ttactaatat	ttga	474

<210> 9237

<211> 255

<212> DNA

<213> A.fumigatus

<400> 9237

cgggaacaga	tgcattgcag	ttgcgaatct	atgcacagaa	gccagataac	acaatccagg	60
agtatatgtg	gaacggtgcg	tccaatcata	agtctcttga	tgtgctttct	aacctgcatc	120
ttaggcgatg	gctggaagga	gggcaccaac	ctgggagggtg	ctctccccgg	caactggaatc	180
ggagccacct	ccttccgcta	taccgactac	aatggcccaa	gcacccggta	cggcactgcc	240
atatacacat	cctga					255

<210> 9238

<211> 453

<212> DNA

<213> A.fumigatus

<400> 9238

atacgggaac	gcttactaat	atttgacata	cacaggatct	ggttccaaac	tgatgacctc	60
aaactcgtcc	aaagagccta	cgaccgcac	aaaggctggt	accgggacct	cgtcaccatc	120
tttgacaggg	caccgccacg	tacggccatt	gcagccacca	gctttggagc	cggcaacagt	180
tccatctaca	tgcgtatcta	ctttgtcaat	tccgacaaca	ctatctggca	ggctctgctgg	240
gaccacggca	agggtatca	cgacaaggga	accatcacc	cagtcattca	gggctcggag	300
gtcgccatta	tcagctgggg	cagtttcgcc	aataacgggc	cggatctgcg	tctgtacttt	360
cagaatggaa	catacattag	tgctgtgagc	gagtggggtt	ggaatcgggc	acatgggtcg	420
cagttgggca	atagtgtctt	tctcctgct	tga			453

<210> 9239

<211> 624

<212> DNA

<213> A.fumigatus

<400> 9239

aacatgactt	ccaaagccgc	cgccttccac	gatgaaggcg	acatggccaa	accactggc	60
ctcgacgcca	tccacatggt	tcggatcccc	ttgaccgaag	aagacagcaa	gcgtatctgt	120
cgcaagactg	accgtgtgat	tcttgcgatt	ctggtgtggg	tgtacttctt	gcagattctg	180
gataaatcgg	tgctcggata	tggagccact	tttggcctcc	aagccgacac	gcacctcagc	240
ggcaaccagt	actcgtttgt	tggttcaatc	gccctatcg	ctcagctggc	ctggcaacca	300
ttctcttctg	tcttgattgt	caaagtcccg	catcggatcc	tgatgccgtc	cttgggtctc	360
ggatggggca	ttgcgcagac	ttgcatggcg	gcacgccata	gctttggcgg	cttgatggcc	420
acgcgggtct	tccttgggtc	tttcgaggct	ggctgcctgc	cactgttctc	catcatcacc	480

agtcaatggg	atcgccgtgc	ggaacaaccg	atccgtgtcg	cagcctggta	cagtaccaac	540
gggttggcga	cgatcggtgc	cgccgccctg	tcctacggcc	tggcacacat	caagtcggat	600
ctgctcaagg	agtggcagat	gtaa				624

<210> 9240

<211> 231

<212> DNA

<213> A.fumigatus

<400> 9240

tgttgggaatt	ccacagctaa	tcagaccagt	atcttctct	tcgtcgggtct	catcacggtc	60
atctccgccc	caatcgctta	ctggaaactg	gacaacgata	tcgcctccgc	tcgcttctg	120
accgaacaag	agaaactgca	agcgatggaa	cggctccgcg	cgaaccagac	cggcgccgga	180
agccgcgaat	tcaagctctc	acacgtcgtc	gaagccggcc	tcgagccata	g	231

<210> 9241

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9241

ctcgcgtggg	tgatcgcatg	tatcgcatca	atcatctcag	atatcaagac	agattatcct	60
aattactcgt	gggtggcggt	cgccacatg	ttttgttgta	ttatgggtgt	caccatcggt	120
tttggttcgg	acaccgggtc	cgtctatggg	gtagcagtat	gtttcactcc	cttcgttgtg	180
ggattctcgg	cgctgatggg	taacagggtg	tgggctatct	ttcaacaggc	ttag	234

<210> 9242

<211> 534

<212> DNA

<213> A.fumigatus

<400> 9242

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cgcggtttta	tcgattcggt	cgccctcaac	aaggaaagca	gcggcgcata	cggttaaccga	120
cccattgtcta	cggttatatg	tcctcgcccc	gacacgatgt	cgacaagcgc	acccagatg	180
tacatttctg	cccaactcaa	cggttcgaa	acgtcgtctc	cagtgtcagg	ttatcctggg	240
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tacaaggcaa	aagcgatata	ttcctacgat	gccaatcctg	aagatgccaa	cgaaattagt	420
ttcagcaaac	atgaaatctt	ggaagtgtcg	gatgtcagcg	gcagatgggtg	gcaggccaga	480
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<210> 9243

<211> 216

<212> DNA

<213> A.fumigatus

<400> 9243

tacctggcac	ttctactaat	cattaagcag	ctttcccgtc	ctcaaacggt	aaagagactc	60
tggcaatata	ttcgtgaaca	caatttacia	gatccaaacg	accgacgtca	tattcggtgc	120
gacgacgcca	tgcgcgtgtg	tttcaaacia	gatgcatac	acatgttcac	gatgaccaag	180
atcctcaatc	agaatctgta	cagcccggac	gaatag			216

<210> 9244

<211> 513

<212> DNA

<213> A.fumigatus

<400> 9244

cgcgcggtgt	tatcacaggc	tgcgattaag	cagcttatca	tgaaaagggt	cgatatattt	60
gcggaacaaa	gcggcattgg	aggggtcttct	gatgcggctg	catcatcgac	cgcccctact	120
tccaacgggtc	aactacagaa	ccatgattca	gtaacacctg	cagagccctc	acctcctgct	180
ccgtcctcgt	ccccacagaa	gcgtcaagcg	gagagcgacg	accagtccga	tccaccaaga	240
aagaccccc	cggcaaagaa	gaagaagccg	gaccacgata	tcgacgcaga	tgccctctat	300
gctgccaaat	tgcaagcaga	ggagaacatg	cgggctcgac	cgactagagg	tgccagtgtt	360
cgtaggtcag	caccagtga	gaagaaggcg	aaggccaaaa	cctccaagaa	agtcaaagcg	420
gaggacgatt	cggatcttga	ctctgggttct	gaaacaaaga	aggaagtga	ccgatctggc	480
ggttttcacg	tgagtttcca	gcactttctc	tag			513

<210> 9245

<211> 231

<212> DNA

<213> A.fumigatus

<400> 9245

ctcgctgctg	atgattttcc	tatactgacg	tgtctcaagc	gtcgcaccca	tgcaaatgtt	60
ccagagaccc	ccgctggggt	gtctcgagaat	gttcgcaata	aactccgagg	ccttttgccc	120
ggagagtcag	ttcctttatc	agtggatggc	catgttgatg	aactaatcac	acaagcaacg	180
gacaagagaa	atctaacggc	catgtatatc	ggctgggtgtg	cttttttctg	a	231

<210> 9246

<211> 414

<212> DNA

<213> A.fumigatus

<400> 9246

cgtcgcgata	cacgcttgct	tgttccaagt	gcgtcgtgtc	tcttccacgt	catgtcttcc	60
aggtcacctc	aaggccgata	gccacgtcgc	tcaatgcatg	agatggatct	cgaaggacga	120
tcacggcggt	caatgtcccc	tcgaggaggt	ccaaggtcgg	tcagccggag	tccatccgct	180
cagtatgaca	atggccgccc	caacaaacat	cgttctagaa	gctgggtctg	gtctccgctg	240
cgttctcgga	cgtcacccct	gagccgtagt	cgcagcccaa	gccgtgattc	tcgatgggtac	300
agaaatagga	gctacagtcg	tacaccgagc	ccaagcagtg	gacctccaag	aagttcaaag	360
gtctgttctt	attctacgta	cctattccat	ctgcatctct	ctaaatctta	ctga	414

<210> 9247

<211> 216

<212> DNA

<213> A.fumigatus

<400> 9247

ctctccgggc	aaaaggcctc	ggagtttatt	gcgaacattc	tcgagcaccc	cagcgggggt	60
ctctggaaca	tttgcatggg	tgcgacgctt	gagacacgtc	agtataggaa	aatcatcgca	120
ggcgagctac	ttaccttctt	tcccaatgaa	atctgtgggt	ggatcatgca	agaaagtctc	180
cagcacgtct	tcaccacagg	gtggaagatc	cgcgtc			216

<210> 9248

<211> 249

<212> DNA

<213> A.fumigatus

<400> 9248

gtcaagctga	cgatcatgtt	atgcaggcgt	cactttttgc	aagctgggtt	acctgtaagt	60
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ttttattctt	ttcgccatcat	ctgtgggtgat	gtctggctga	cggtcgcaga	cggtctcagc	120
gctctttttt	ggctatatct	caataagggc	cggttcttct	cgactccgat	gaagaccgcg	180
cttactattc	tcaatgttgt	catcatgggc	gtcgcgatgct	gcattgtaag	tccttgctgg	240
acattctag						249

<210> 9249

<211> 498

<212> DNA

<213> A.fumigatus

<400> 9249

ctgatcaaga	gcagtcattg	ttgccgagac	agtatcgctg	ggattctctt	ccctcccagc	60
ggttgtagcc	gccttaggcc	ttgtcccgtg	agtcaatcca	ccccctccgc	cgacaattct	120
aacgaacctt	gagccatcat	tcttcttgta	gcccttggtc	tgatgtccac	ctacactgga	180
tacacgatag	ggcagttcaa	atgggcttat	ccacatatcc	attcaatggg	tgatgccggc	240
gaggtcatca	tgggttagatt	tggccgggaa	ctcttcggaa	caggccaatt	actcctcgtg	300
gtcttcatta	tggccagcca	tatcctcaca	tttactgtcg	ccatgaactc	aatcaccgat	360
catgggacat	gttcgatcgt	ctttggagtg	gtcgggttgg	tcatttcgtt	tgtgctgtgt	420
ctgccacgga	cgctggccaa	ggctctcggt	ctatcagttg	cctgtgcgtg	tttctctgac	480
gatgtagaat	gccactga					498

<210> 9250

<211> 456

<212> DNA

<213> A.fumigatus

<400> 9250

caccttgacg	ccttcatcag	cgtcttttca	gcggttctga	tcgtcatgat	tgccgttggt	60
gtccaacgtc	catggcacgg	cggtctcaat	gctactgtgg	atacaaattt	atacaaggct	120
tttcttgacg	tctgcaatat	cgtcttttca	ttctgtaggg	tggttctcca	cttcagctca	180
ttcatggatc	gcaactaaca	aacagccggc	cacgtcgctt	tcttcggctt	catggccgaa	240
ctgagaaatc	cccgtgacta	ccccaaagtc	ctcttctctg	tgcaaggcat	cgacacatgc	300
ttgtacatca	tcgtgcgggt	agtgatctac	tgctatgctg	gtgacgacgt	gacctaccg	360
gcgctaggct	ctgcctcaac	tatcgtgaag	aagggtggcg	acggaatcgc	cttgccgact	420
gtaagtcttt	gttcctcatc	ccaagaagcc	atctga			456

<210> 9251

<211> 432

<212> DNA

<213> A.fumigatus

<400> 9251

ccagaacacc	caggtggcca	gaaaatcatc	ctcaaataatg	ctggaaaaga	tgcgactgaa	60
gagttcgacc	caatccaccc	ccgcgacaca	ttggacaaat	accttgaccg	atcgaaacat	120
ctcggcgaag	tggatatggc	aaccgttgag	caagaagaga	aggctcatga	ccccgacgaa	180
accgaacgcc	aggagcggat	caagcagatg	cctccactgc	aggcttggtt	taacttgatg	240
gatttttgaga	ccgttgctcg	cagtgtaatg	aagaagactg	cgtgggctta	ctactcgagt	300
gggtgcggatg	atgagattgt	acgtggactg	acgtgctgga	aaccagacaa	gagtgtctcg	360
ctaacttcat	ctagactatg	cgcgagaacc	actatgcctt	ccacaagatt	tggttccgtc	420
cacgagtact	ag					432

<210> 9252

<211> 282

<212> DNA

<213> A.fumigatus

<400> 9252

gcttttaaag	tgggacttgt	tcggatttca	aagcgatcat	ccatagttgc	tttcaatcca	60
cataaaaacc	ggtctatcgt	ccctggatct	ttttctcgat	tattttcttt	cgteccctgat	120
tccttcccat	tcaatcgta	gaaaatagtc	gtcacgatga	aacaagggaa	gctcactggc	180
gccgaggtcg	ccaagcacag	ttccaaggat	tcctgctggg	ttatcgtgca	tgggaaggca	240
tacgacgtta	cagaatttct	gccaggtact	gtttctgtat	ag		282

<210> 9253

<211> 1080

<212> DNA

<213> A.fumigatus

<400> 9253

actatgcg	agaaccacta	tgccttccac	aagatttgg	tccgtccacg	agtactagtc	60
aacgtagaga	acgttgactt	cagcacaacg	atgctgggta	ccaaggtctc	tgtgcccttt	120
tatgtaacag	cgactgcact	tggaaaactg	ggcaaccggg	aaggagaggt	tgtcttaact	180
cgtgcagctt	acaagcaca	tgttatccaa	atgatcccca	ccctcgccct	ttgttccttt	240
gacgagattg	tggatgcgaa	gcaaggagac	caggtacaat	ggctgcaact	ctacgtgaat	300
aaggaccgca	acatcaccaa	acgtattggt	cagcacgcgg	aggcacgtgg	ctgcaagggt	360
cttttcatca	cggctcgatg	gccgcagctc	ggcgtcggtg	agaaggacat	gcggtcaaag	420
ttctctgatg	ttggtgccag	tgtccaagcc	agtggggggg	acgaagtgga	ccgctctcag	480
ggagccgctc	gagctatctc	atcggttcac	gatccttctc	tttcttgga	ggatatccca	540
tggttccagt	ccattaccaa	gatgcccac	atcctcaagg	gagtacaatg	cgtggaggat	600
gtcctgcgtg	ccgtggagat	gggcgtggat	ggtgtcgctc	tctccaacca	cggtggtcgc	660
cagctcgagt	tcgcccgtc	tgccatcgaa	gtcctggccg	aggttatgcc	tgcgctccgc	720
gagcgcggct	gggagaacaa	gattgaggtc	tacatcgacg	gtggtgtccg	tcgcgccacc	780
gatatcctca	aagctctgtg	cctcggtgcc	aagggtgtcg	gtatcggacg	gcccttcctc	840
tttgccatgt	ccgcgtatgg	ccagcccggc	gtggaacgcg	ccatgcagct	cctcaaggat	900
gaaatggaga	tgaatatgct	cttgatttgt	gtcagcaaga	tcgaggagtt	gaaccctagc	960
ctgattgacg	tccgcggtct	taccggcggc	caccatgctc	cggtgccgtc	cgacacattg	1020
actcttggtg	catacgatcc	gctgcacgct	ccgcggttca	gcgagaaatc	caagctgtag	1080

<210> 9254

<211> 582

<212> DNA

<213> A.fumigatus

<400> 9254

ctacagcttg	gatttctcgc	tgaaccgcgg	agcgtgcagc	ggatcgtatg	caccaagagt	60
caatgtgtcg	gacggcacgg	gagcatggtg	gccgccggta	agaccgcgga	cgtcaatcag	120
getaggggtt	aactcctcga	tcttgctgac	accaatcaag	cgcataattca	tctccatttc	180
atccttgagg	agctgcatgg	cgcgttccac	gccgggctgg	ccatacgcg	acatggcaaa	240
gaggaagggc	cgtccgatac	cgacaccctt	ggcaccgagg	cacagagctt	tgaggatata	300
ggtggcgcg	cggacaccac	cgtcgatgta	gacctcaatc	ttgttctccc	agccgcgctc	360
gcgagacgca	ggcataaacct	cggccaggac	ttcgatggca	gagcggggcg	actcgagctg	420
gcgaccaccg	tggttgagga	ggacgacacc	atccacgccc	atctccacgg	cacgcaggac	480
atcctccacg	cattgtactc	ccttgaggat	gatgggcatc	ttggtaatgg	actggaacca	540
tgggatatcc	ttccaggaaa	gagaaggatc	gatgaacgat	ga		582

<210> 9255

<211> 840

<212> DNA

<213> A.fumigatus

<400> 9255

ccagcagtgg	aagggctcca	gaggatgcat	caccctcaca	aagtagttat	ctggggcaac	60
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cacgacagat	gcttcgacat	acgctccaga	cgagacgaag	accgcgacgc	ttcctcctca	120
tccttcgtgg	caatatacctc	ctcgaccgcc	tccatccgct	ccctcgatga	cgacccagac	180
ggcctcaacc	gcatcaactg	ggcgacatc	cactacctcc	aacactcctc	catcactctc	240
tccttcccc	cgccgtcccc	agcccacgcc	gcagcccgcc	cgcgctccct	aaccatctac	300
ggcgccccc	aagtccccgc	catcgcccc	ttcacctccg	agcacgcctt	cacataccac	360
ccacaacacg	atgcctgggtc	cggcaccatc	cccccgga	ctgacatcct	gatcacgcac	420
accccgccac	aggccacct	ggacttatac	cctgtctact	ccacaggctg	cccgttcctg	480
ctcgccgaga	cgtggcgcg	ccggcccgca	ctgcacgtct	tcggccacgt	tcatgaagca	540
tacggctg	agccggtcta	ttgggatgag	gcgcagaggg	cgtgggagcg	gctgtgtg	600
tcgagggcggc	cgcggtcccc	gtacggctcgt	ctgatgtccg	tcttcgggct	cctgccccgac	660
ctgtttgatg	ttcatggctg	gctggatg	atgcgggtcg	tcacgtacgg	cgtgctaggg	720
gttggttggg	ccaaggtctg	gggtggtgag	aatcggggct	gtgggtggat	ggtgaatgcc	780
gcttgatatgt	ataggaatac	gggacgggtg	gggaataaac	cgcaggctcgt	ggtggtgtaa	840

<210> 9256

<211> 273

<212> DNA

<213> A.fumigatus

<400> 9256

acctcaatct	tgttctccca	gccgcgctcg	cggagcgcag	gcataacctc	ggccaggact	60
tcgatggcag	agcggggcaa	ctcgagctgg	cgaccaccgt	ggttggagag	gacgacacca	120
tccacgcca	tctccacggc	acgcaggaca	tcctccacgc	attgtactcc	cttgaggatg	180
atgggcatct	tggtaatgga	ctggaaccat	gggatatacct	tccaggaaag	agaaggatcg	240
atgaacgatg	agatagctcg	agcggctccc	tga			273

<210> 9257

<211> 939

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (917)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9257

gaccctgctg	agctagacca	aatcaccaca	ttgcctaattg	gaatccgcgt	cgccacggaa	60
tccttaccog	gaccctttgc	cggcgttgg	gtctacgtcg	atgcgggatc	ccggtacgaa	120
gacgagagcc	tacgaggcgt	gagccacatc	atggaccgac	tagccttcaa	atcgaccaag	180
tcccgaacaa	gcgatgagat	gctggagact	cttgagagtc	taggagggaa	catccagtgc	240
gcttcgtctc	gggagtcgtt	gatgtaccag	tcagccagtt	tcaactcggc	agttcccgcg	300
accctgggccc	ttctggcgga	gacaatccgt	gaccctctga	tactgatga	ggaagttctc	360
cagcagttgg	ctacggcaga	gtacgagatc	aatgagattt	gggccaaacc	tgaacttatc	420
ctaccagagc	tggtgcatat	ggcgccctac	aaggacaaca	cattagggaa	cccgtactc	480
tgtcctcgtg	agagattgga	agagattaac	aaggctgttg	ttgagagata	caggagggtc	540
tttttcaagc	cggagaggat	ggttgttgcc	tttgccggtg	tgccgcacga	ggaggctgtt	600
aagctaacag	aacaataactt	tggtgatatg	aaggccgcaa	atcaggccaa	agggccgta	660
ttatccggga	ctggaattga	gacgaccttg	tcagattcag	agacagcagc	tcagggaagga	720
cagggtgccga	ccgtccctca	attcacgcca	tcgtcgacaa	tcaccacaac	cccaacctca	780
aaaaccagct	cagtcctttc	caggcttcct	ttcctgaaga	acctctctac	aaccgcgtcg	840
aagcctgcac	ctgtggcgcc	ccttgatcct	tcgttggtgc	agccatcatc	gctggacttg	900
acaagacctt	ctcagntnac	acgacgggat	ggaagctaa			939

<210> 9258

<211> 381

<212> DNA

<213> A.fumigatus

<400> 9258

cgtgcaagcc	tagagctcat	tataggggta	attagtaatt	ataactatgc	tatctctgtt	60
gcgctaacta	caggggaatat	tctagctgag	tatatatata	ttctatgcta	tgtctttgac	120
agttgtgcta	aagataatta	cttaaagaag	ccttgccctta	tagttgctga	taagcatcag	180
aggagactat	tatacaggac	ctcttaccct	aggcatcttc	cctataatat	ataccttaga	240
atagagggag	cctatagaac	cgcagccatt	acacaaagat	taaagttagg	cctattatta	300
ggcacatacc	tttctctatt	acacctacc	tttcttaatc	taaactatat	aggcaaaaca	360
tatattacta	ataatatata	g				381

<210> 9259

<211> 207

<212> DNA

<213> A.fumigatus

<400> 9259

gacatatata	ctacagagat	aaataaagaa	ctacttatta	catctactct	caaaagagca	60
aaagttctaa	tattaactgg	actggcgagt	cttggtaaat	actactttcc	caccctagag	120
atztatgact	tagttaacac	catgtccacc	ctattacaca	ttaactttac	caaactccta	180
gagacctggg	gcccgggcag	tgagtag				207

<210> 9260

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9260

acaaaagcct	ccaggtatgc	ttcttttgc	cattttgatg	ggctgatgct	cactgtgggc	60
tatcaggagg	tcaacatcca	gaacatgaat	gtggagcttg	tggtccagat	gttcaagaac	120
taccagtcca	acgttctctt	ccacttggaa	ggtagagttg	tcttccctct	cagaaggcta	180
cagccttgct	ga					192

<210> 9261

<211> 1011

<212> DNA

<213> A.fumigatus

<400> 9261

actaccctag	acgaagtgag	taaatgcttg	ttccagaagg	agtgtgctct	gacgcccgt	60
gtgatgaacg	agatcctctt	cgagtgcctat	tccgcgccgt	ccgtcgctta	cggaatcgat	120
tgcctatatt	cgtaccgatt	caacaaaggc	accgatggcc	tgattatctc	ctcatcccac	180
acatcgacgc	atgtcatccc	tgtcctaaac	tcgaaagcct	tgctctcgaa	ttgttcgcgg	240
ttgaactggg	gtggcatgca	cgcttcggag	tacatgctca	agcttatgaa	gctaaaatac	300
cctaccttcc	cggctcgaat	gaccgaaagc	cagatggaag	atttggttca	caagcattgc	360
tacgtatcta	cggactatga	ccgggaactg	agcagctatc	tcgagtggac	agggcttgag	420
gacagggatc	atatcattca	ataccctttt	acggagcatg	tggttcgaga	gaaaaccgag	480
gaggaactgg	cacggattgc	ggagcgggaag	aaggagagtg	gacgtcgctt	gcaggagcag	540
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gacctacaga	gcggccttgc	atccgaaacc	aagaagggaag	cgagacgtat	cttggattct	660
gaggatttga	aagatgaggc	tcatctggac	cggctgatcc	gtgaccttga	gcgatccatc	720
aaacgctcta	gaaaccgaga	cctaggagtt	gaagagactg	aagagcctcc	tgaagatatg	780
tctttccccc	tacttgatgt	tccggatgaa	gagctggacg	aggcaggctt	gaaggagaag	840
cgccaccagc	gactcatgaa	atcaaacatc	gaggctcgcc	aacgtgccaa	ggccgagaag	900
gaacgcgaga	gagcacggaa	ggaggaagag	gagcgactgg	atcgggaaaa	gcgcgagaac	960

gacttttgaga actgggttgc cgaacgaaga gcagctcgac aggtgtgttg a

1011

<210> 9262

<211> 564

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (556), (557), (558)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9262

aataattttgc	aaaggattaa	ggagcgcgat	aggatgaagg	cggatctggg	taatcggaag	60
tcgctcgcca	gccagatgcg	tatgaaaacc	cttgcaaacc	tcgctgcgga	tgggccgaag	120
aagcgaagga	gaggcgggtga	cgacgacgat	ttcggcgcca	acgatgagga	ctgggggtgtg	180
tatcgcacag	tggcaactgg	agaacagagc	gacgaggagg	aagaagagga	cctcggcgaa	240
atgctcacca	acattgagaa	tgagcttctt	cagtacgatc	cggagtctac	agagaaccac	300
actctggctg	cgcagtctga	ctggaccaag	agtctggtac	atgttttcct	acgtggaccc	360
tgggcatttg	accctgaaag	tcagcgtgag	gccccatcaa	tccatctcaa	tgttgagcgg	420
attcgagtac	ccgaggtcgt	tttcaagcca	tcgatcgccg	gcacgcacca	ggctggcctc	480
ttggagattg	cggccggtat	tgtcaaccag	cggttcgtct	tcaccacggg	gctgcaagga	540
gcagtcgatt	tcaatnnnac	cccc				564

<210> 9263

<211> 639

<212> DNA

<213> A.fumigatus

<400> 9263

agaagctcat	tctcaatgtt	ggtgagcatt	tggccgaggt	cctcttcttc	ctcctcgctc	60
ctctgttctc	cagttgccac	tgtgcgatac	acaccccgat	cctcatcggt	ggcgccgaaa	120
tcgtcgctgt	caccgcctct	ccttcgcttc	ttcggcccat	ccgcagcgag	gtttgcaagg	180
gttttcatac	gcacctggct	ggcgagcgac	ttccgattac	ccagatccgc	cttcaccta	240
tcgcgctcct	taatcctttg	caaaatattc	tacgaacagt	tagttatctt	gccgaattca	300
agcaagaatc	aacacacctg	tcgagctgct	cttcgttcgg	caacccagtt	ctcaaagtcg	360
ttctcgcgct	tttcccgatc	cagtcgctcc	tcttctctct	tcggtgctct	ctcgcgttcc	420
ttctcggcct	tggcacgttg	gcgagcctcg	atgtttgatt	tcacgagtcg	ctgggtggcg	480
ttctccttca	agcctgcctc	gtccagctct	tcacccggaa	catcaagtag	cgggaaagac	540
atatcttcag	gaggctcttc	agtctcttca	actcctaggt	ctcggtttct	agagcgtttg	600
atggatcgct	caaggtcacg	gatcagccgg	tccagatga			639

<210> 9264

<211> 228

<212> DNA

<213> A.fumigatus

<400> 9264

cttgggtggcg	ctctggctcc	gcgtagtcaa	cctgtgcttg	ccgacgaagt	tcagacgttc	60
aaggccttga	ttacgataca	taaagtcttg	caggaagggtc	acccgattgt	ggtgagagaa	120
gcgcaacagc	atgtcaattg	gattgacagc	ttgatgaggg	gcgttggagg	ggatgggac	180
agaggatatgc	ggcagaaatg	gcttggctgc	aggggagcac	tcggctga		228

<210> 9265

<211> 1134

<212> DNA

<213> A.fumigatus

<400> 9265

atgctgacct	tattgtcaca	tatagctacg	ggagataacg	aggcactcga	gccacttcgt	60
ggtcgatatg	acgctcagca	ctatcggcta	gtccgattct	actatgaatg	ctccaacctg	120
cgctatctca	cgagtttgat	caccgttccc	aagttgcctc	aagatcccc	gagcttggtg	180
gctgaggacg	aggaccgtcc	ggccctaccg	aaacgaccga	cgaaggaggt	tgagaaacag	240
ccttcgcgcg	caccgaagcc	agtggctgct	gagccggagc	ccatcaacga	cttctggacc	300
aacgaggcga	agcgtcaaca	ggaggagtgt	gaagcagagc	agcgacgcct	tcagcaacag	360
tgggaagaac	agcagcgtca	gcaacttctt	gcgagcagc	aggcgcaacg	tgagtttgag	420
gaacagcagc	gtctgcaggc	agagcagcag	cgactggctc	aggaacaact	cctgcgtgag	480
cagtatcaga	cccagactca	gggtcgattg	gctgagcttg	aacgggaaaa	cctgaatgcc	540
cgggcgcagt	acgagcgtga	ccagctgatg	ctgcagcaat	atgatcgccg	cgtgaaggat	600
ttggaggagc	agatggcgca	gctgaccacg	aacttgaaca	tgcaaacgc	ttcgaaagac	660
gaacagattc	gcgctttgca	ggagcaagtc	aacacatggc	gctccaagta	cgaggccctg	720
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catgacaggg	accgcttgac	ggggaccaat	aaggaggagc	tggagaagct	caagcgcgag	960
cttcggcttg	ctatcgaacg	cgctgagaat	gctgagcgtc	caaagggtag	cgaaatctcg	1020
accctgctgt	cgaagtacaa	ccgtgagatg	gctgacgtcg	aggaggcact	cagagtgagt	1080
ctcctgacct	ggaaattttc	cttgacaagc	ctgctgactc	tattgccaga	ataa	1134

<210> 9266

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9266

ctatgccctt	cgcgccaac	ggtgatgacc	tccgctgacc	actgttccag	atagcagacc	60
attaccgatc	tcatgacct	acaggaccat	attgacactt	tccaaaagct	catctttctca	120
cacttccaat	caggaaccaa	taacgagtgt	agaatttccg	cattgggttc	ccttggttcag	180
gaaagctatg	gcactacaa	gttcatcact	agcatgctaa	gggctatgca	tactagtaag	240
catccgcttg	tccgaagcag	gatgctcttt	gaatgctga			279

<210> 9267

<211> 405

<212> DNA

<213> A.fumigatus

<400> 9267

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atcgaccctg	agtctgggtc	tgatactgct	cacgcaggag	ttgttcttga	gccagtcgct	240
gctgctctgc	ctgcagacgc	tgctgttcct	caaactcacg	ttgcgcctgc	tgctgcgcaa	300
gaagttgctg	acgctgctgt	tcttcccact	gttgctgaag	gcgtcgctgc	tctgcttcaa	360
actcctcctg	ttgaagcttc	gcctcgcttg	tccagaagtc	gttga		405

<210> 9268

<211> 267

<212> DNA

<213> A.fumigatus

<400> 9268

cgacatatgc	acaaatcagc	cgagtgtctc	cctgcagcca	agccatttct	gccgcatacc	60
------------	------------	------------	------------	------------	------------	----

tctgatecca	tcccctccaa	cgccctcat	caagctgtca	atccaattga	catgctgttg	120
cgcttctctc	accacaatcg	ggtgaccttc	ctgcagaact	ttatgtatcg	taatcaaggc	180
cttgaacgtc	tgaacttcgt	cggcaagcac	aggttgacta	cgcggagcca	gagcgccacc	240
aagtcagtca	tcatatccac	aacatag				267

<210> 9269

<211> 222

<212> DNA

<213> A.fumigatus

<400> 9269

atcacgctcg	acagcctcaa	gaaatgggac	ggaggacatc	tcgaagagaa	agatatcgac	60
tgggcaacac	cagctcatct	ggcagataga	cgtatgggtat	tcgtagccag	agagctcctc	120
aaagctgcgc	tagctattgc	tcaggatcca	ttcgcagaga	gccccatata	ggaaaaagct	180
attgaggagg	gcttggccat	cgaagggggt	aggttccttt	ag		222

<210> 9270

<211> 459

<212> DNA

<213> A.fumigatus

<400> 9270

ctccttcctt	tgcaaagggc	atctattatt	ctgcgcttct	gcaggaagga	gaaagccatg	60
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cacaagggtc	acgcttcagt	tgttgacgca	acagggaaac	aacactttca	tgttggtgac	180
ccatcacgaa	tcacattagc	tcgctccgca	gcaaagccag	cccaggcgct	tgctatactc	240
gaaacgggtg	cctttgagca	gttcgatctc	gacgatgcag	acctggcatt	aatgtgcgcg	300
tcacacagca	gcgaggaaag	gcatatcacc	agggcgcgca	atatgctggc	caaagcccaa	360
gtcaaggaag	acgatcttcg	ctgtgggtgt	catccggctt	tgtcagctac	tgtgaatata	420
gaactaagtc	ttcaccccg	ggctggaagg	aaccgcgta			459

<210> 9271

<211> 318

<212> DNA

<213> A.fumigatus

<400> 9271

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ggttactgga	tctggcgctc	agcattgtta	cagagaaaga	cgaactgttg	gtcttactgc	120
tcccttccca	tcattattat	tagttccttt	ttctgtttcc	cttgccctcc	cctctcccta	180
tttgttttatc	gatcatttcg	tcagtctact	tctactcgtc	ctcccactgc	tgcttcttca	240
acctccgaat	gtaacttgtc	tctgctactg	acaactatta	ccattaccca	ctcttcagct	300
cgcgttaa	acttctga					318

<210> 9272

<211> 456

<212> DNA

<213> A.fumigatus

<400> 9272

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cgtaaaccag	aatttctgcc	cagccgggag	acgtcgaagc	tgagggcgac	atgggttaggc	120
catgcctgct	actatgtcga	gtttcctgac	ggtctgcgag	tggtgtttga	tcctgtcttt	180
gaggatcggt	gctgcgcttt	ctcctggctt	ggaccgaagc	ggtacacgga	ggtgccgtgc	240
cagatcaaag	acatcccttt	tatcgacgca	gttgttatct	cccacaacca	ttacgaacat	300
ctatcacacc	cgacagtga	agagatcgcc	aaactgcac	cgaattgcca	tttcttttgcg	360

cctcttggta acaaagagtg gttttcgagt tggggaatta agtatatgac tgagatggac 420
 tggttggaag agtgtgatgt cgtcctttcg ccttag 456

<210> 9273
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 9273
 gtectgttgt tcagacgcgt cttacacacc ccccgtttaa ggggaaagat taatactgct 60
 cagcctccac cttattcaca cgcaactaat cctttgagaa tgatgggctc cgtgagcttc 120
 gccaaaggagc gcgtcggctc ggagatagcg ggattagtga ctgacatgca agtcctttgct 180
 tcggattga 189

<210> 9274
 <211> 396
 <212> DNA
 <213> A.fumigatus

<400> 9274
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 gacgatcacg ccccgagta tgattacctt tcgtgccccg cgttcaagca ggtcggcgaa 120
 ttcagaggac catttgacct cgggtctgac cccatcggag cgtacgcgc accgattcatc 180
 atgagtccaa tgcatgcaga cctcatgat gctgtggaaa tattcagaga tacaaaatgt 240
 aaacgagcaa ccgccatgca ttggggcacg tgggtgctta ctgaggagga cgtcctcgaa 300
 cctgcgaaga aattgaagga ggcgttgaag aagcattcaa ttcctgaaga gggagtgttc 360
 gatgtttgtg acattgggga aagcaggag tattga 396

<210> 9275
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 9275
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 tccggctttg aggaattgag ctccaatgcg cgcattccaga ccgatagctt gagctacttg 120
 gtcgacctca gtcctgttt tctcgcaaat agcactgata gagttgatgc tgctgattct 180
 ctgggcgagc atggcgcttg ctacaagctt tgcgagttcg gacgaccatg tgttgacctc 240
 gaggatgcgc gacgagggca cccaagatga 270

<210> 9276
 <211> 600
 <212> DNA
 <213> A.fumigatus

<400> 9276
 agaacatctg cgttgtgggc gctggatacg tcggtatgct tgtgctattc tgtttcagtg 60
 gtgcaaagtc tcattgttac aggtgggcca actgcagccg ttatggcgct gcacaaccgc 120
 tcgatatacag tcgaagtctt ggaccgagac ccggttcgca ttcggcagtg gaactcacca 180
 caccttctctg tacatgaacc tggcttgatc gacgtcgtcc gactgacgag agacggagca 240
 gagatagtca atcaggagac tacgtccttg gtcagcgcaa cacgcttgaa gcggcgcgca 300
 aacctcttct tcacaagtga ctcggtgaca agtatctcac gagccgatgt gatcatgctt 360
 gcgggtcaaca caccaccaa gacggttggt ctgggcgctg gtcgagcgac gaatatgtca 420
 gctattgatg aagccgtgcg gcagatagct atctatgcaa aaccaggcgc aatcatcgct 480
 gagaagagca cggttccttg tggcacggcg cagcgcattc gacacctggt acgtaccatt 540
 gacctaatgt gcctgctctt cattgatcgc aaagtgcga tctatagctg gccactctga 600

<210> 9277
 <211> 1206
 <212> DNA
 <213> A.fumigatus

<400> 9277
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 acaccatctg gacgccacgc agcgcgcact cttgcacaga ttactcatc ttgggtgccc 180
 tcgtcgcgca tctctgaggt caacacatgg tcgtccgaac tcgcaaagct tgtagccaac 240
 gccatgctcg cccagagaat cagcagcatc aactctatca gtgctatttg cgagaaaaca 300
 ggagctgagg tcgaccaagt agctcaagct atcggctctgg atgcgcgcat tggagctcaa 360
 ttctcaaaag cgggactcgg gttcggcggc tcctgtttcc gcaaggatat tggcagcctg 420
 acctatctcg ccgagtcatt gggcttggaa gatgtggctc actattggag ccaagtgaac 480
 gtgatgaatg agatgcagcg tgaccgggtt gcgaggaaag tcatcgagag gttcgatggt 540
 aacttgaccg gacggaagat tgccatgctt ggcttcgcct tcaagaagaa caccggcgac 600
 acacgggaat ctttagcggc tgatgtgacg cggttgctgc tggaggaaaa gcccatggag 660
 attgcgattt ttgatcccta ttgccttgaa aaagacatca tgcgggaggt cgaacgtgcc 720
 tgccggacct tggacggaag gatagtcaaa gtctttccgg acccgtaacca ggcttggtct 780
 caagccgacg cggttctcat catctcggat tgtgatcaat ttcggaacat gccgaccaga 840
 tcgaagccga acccttttgc ttcacagaca gaggctaagg ctgctaacac tctttccaaa 900
 gccataatat cgaaaagatcc agaggaggac atttggatcat gcaacagcct gtcataccgc 960
 ttgtccctc agaaaaccgtg cgatgattgt gaagtatgcc gtttaacagt caattatccc 1020
 actgccaccg agcctgtaga atgggcacgc atagcataca acatgaaggc accgaaactg 1080
 gtcattgatg gacgcggaat cctggatgtt catgaaatgg agaaactcgg tgtccatgtg 1140
 gacgctgttg gaagacgacc gctgttatt tccacaggca ttgacccttt gaactgtgac 1200
 atctag 1206

<210> 9278
 <211> 411
 <212> DNA
 <213> A.fumigatus

<400> 9278
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 atcattggcg atgtgaatat cttcgagttt cccctgtatt ttgtacctct cgaacaagat 180
 gtcctttccc tggaaattgga cgactccttc ggtgatctct acttggttaag aaccagaaat 240
 attgtctcac tgcaacccat ttgcttatca tcacgcagca taaagatcca ggttgtatct 300
 tcctcgcgcg aaaggctctc atggatattc agcaaagaca tggttatttt cctcgaatca 360
 ttgggaaggg agatcacgcg cgccgactcg cagaccttct gttgcggatg a 411

<210> 9279
 <211> 936
 <212> DNA
 <213> A.fumigatus

<400> 9279
 tctctacttg gtaagaacca gaaatattgt ctactgcaa cccatttgct tatcatcacg 60
 cagcataaag atccaggttg tatcttcttc gccgcaaagg ctctcatgga tattcagcaa 120
 agacatgggt attttctctg aatcattggg aaggagatc acgcgcgcgc actcgcagac 180
 cttctgttgc ggatgagaaa ggagctcgat gctgaagaga gctccggttt gaggggacct 240
 tctgcaagag gacttctgcc cagcgcgagt accgaaagtc tgatcatcat tgaccggatg 300
 gtggacttcg gactccact actcacgcag ctacgtatg agggcttaat tgatgagttt 360
 gtcgggatca agaataacca ggcagatgtt gatcgggcta tcgttggagc caactctgtt 420

ccccaggcgc	aggagtcttc	caaggctccc	caacaaaccc	taaagcaggg	gcagaagcgg	480
aagattcaac	tggactcttc	tgatcagctg	tttagccaag	tgctgatgc	aaactttgcc	540
atagtcggcg	atattctgaa	taagggtggcg	cggcgtctag	aaagcgagta	tgagactcgt	600
catgcggcca	agacggcttc	agagctacgc	gaattcgtga	ataaactgcc	agcttatcaa	660
ttggaacacc	aaagtcttcg	cgttcatacg	aacctcgccc	aagagataat	gagaaacacg	720
cgttcagata	tttttcgcaa	agttcttgaa	gtccagcaaa	ataatgctgc	gggcactgac	780
ccaacgtatc	aacatgatac	catcgaagag	ttgattgccc	gggatgtgcc	tcttaagact	840
gttctccgtc	tgctgtgcct	ggagtcgtgc	atgtcagggc	gactccgttc	tcgagatctc	900
gagaatttca	agaagcagat	agtacacgcg	tactga			936

<210> 9280

<211> 480

<212> DNA

<213> A.fumigatus

<400> 9280

catcagcaca	tactgacttt	ctctgccctg	gagaaaaatgg	agctcctgca	gccccgttca	60
tcggatgcc	ccatgcttat	tcagactgct	ggtgctcagc	caggaagtaa	gacaaattat	120
aactacttac	ggaagaacct	acgcgtgctg	gtggaagaag	tcagtgagaa	agaccggaac	180
gacattgcct	acgtatacag	cggcttcgct	ccactcagca	ttagtcttgt	cctatgcgtt	240
ctgcagaaac	cctatatatt	ctcactcgct	aagggcgggtg	ctgcctctgc	tacctccacc	300
ctgcgaagca	ctgcatcccc	cggctggctc	ggattcgaag	acgtggtaaa	gagcgcccgt	360
ggcgcgactt	tcagcattgt	tcagaaggga	gatgataagg	cagttcgtgc	gcgacagacg	420
ctgagcggca	acaatgccac	caagattgta	tatgtattct	tcctaggtgg	agcgtgttga	480

<210> 9281

<211> 819

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (601)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9281

atgatctact	ggtatataaa	tcttcagact	cccaccgcga	catcattaac	aatcagatac	60
cttggtctta	gtactaataa	cgacgaaatg	ccctccatca	agaactccac	aattgtcatc	120
tttgccggta	gctccggcat	cggctacggg	gtcgccgaca	aatgtctctc	tgaaggcgcc	180
gtcgtgcaca	tctctctctc	caacccccacc	cgcactactc	aggccgtctc	ttctctgaag	240
gagaagtatc	ctgaggggca	agtaaccggc	cacacttgcg	acctctccct	tccggacgtg	300
gagcaaggcc	tcgtcaagct	attcgaggaa	atcgctcctc	gtgaccacat	cgtctacacc	360
gctggggacg	cgtagccgtg	cagaccgctt	aaggacctcg	atctgcagtt	catccagaag	420
gcaggacaca	tccgcttcga	tgtcccgcgt	ctcgttgcga	aacttgccct	gcgggctcctg	480
aagccagggt	atacctcatc	gctgatcctg	accggtgggc	cggtagggga	tccggccgcag	540
cgggattggg	ctgttggttc	ggggtatgcg	gctgggttgt	acgggatggg	gcgcgggtcta	600
nctttggata	tgaagcctct	gcgggtgaat	ttcgttagtc	ctgggtccggg	gaaaacggga	660
ctgtttacgg	atgaattggc	ggagatgttc	gcgaaaaaga	ccacgctggg	gaaagtgggg	720
agtgtaaaag	aagcggcgga	agcgtatgtt	tatctgatga	aagataccaa	tgctacgggt	780
atctgtgtga	gcacgaatgc	gggatctttg	ttagtctga			819

<210> 9282

<211> 432

<212> DNA

<213> A.fumigatus

<400> 9282
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 gaagtcggcg gcgtcagtcg ccctgagagt ctactgaaac agtggaagag tgacggcgcg 120
 aatccacttg agcagacacg tggattgtta gacttattct tcgtctcggt gctacttgac 180
 gcgggagcag gtgacagatg gcggttcact gaaccagaca cggatatcgt tgttgccgt 240
 agcgagggga cgcattagc ctctacaat atgtttgtaa atggcgactt ttcgactgtt 300
 gatagtgaga gaagggatgt tgtgatgggt tcgtcccata cccttcctag tgacaagagc 360
 aggactaaat atcaacaggg caagccctca aggactttga cgctgcaact ctgcaacgcg 420
 gtttccagat ag 432

<210> 9283
 <211> 210
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (134), (140), (157), (166), (174)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9283
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 cgaaaaattg ctgtctatac gcttatgcag ggcttgcttc atcattcatc gcgcattcct 120
 cgttccgggt ctangccacn ggtagggggg ttagctntaa ctgcantgaa gcantatcca 180
 tccaatggga agaccccgaa attattataa 210

<210> 9284
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 9284
 ccggccaatc accccaggtc cgaaactctc cagtttgccc cacagcctgc gacggacttt 60
 catgtccggg tccccagga ctatctcgac ggcaatggcc cgaactcgat tggattcgag 120
 tacgccctct gtcagagag gacatatgga tttagatcct ccagtagaca tacctcgggt 180
 ccctactaa 189

<210> 9285
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 9285
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 ggctgcttca gctgcaggac attcagagat cgtcaactgc ttttacataa gggggcggac 120
 atcaattctt cggggagcga atatgataac gctgtctatg ctgcttcagc tagaggacat 180
 caagagaccg tccaactgct cgtagagaac ggggcagagg tcaatggtca aggggagaaa 240
 tatgacaacg ctttccaggg tgcttcagac aggccttcga gggaatgtta a 291

<210> 9286
 <211> 1341
 <212> DNA
 <213> A.fumigatus

<400> 9286
 acgcttagcg cggatccttc gagccccgtg ggtgaagaac atcaccatct accattcttg 60

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attggtgctc	tgtacacggt	cgagcgcgaa	cacgcattca	tgctccacgt	cggatccaag	180
atgctcgtga	accaattctt	gcaacacaag	gagaatttcg	attcgagaaa	atgtccattg	240
tggtccatgc	aaagcactct	gttgaacatg	atttttgaga	gctggagtgg	tgatcccaaa	300
ggtctcgagt	ggacctgctc	gatcaagagc	ttgctcgcca	acatggttgc	tggaaccgt	360
tatcaattga	aggtcagaac	ggaagctcgc	gagggctcgc	aaccaactag	agacgaatgg	420
atcgaggacg	agtcctgccc	tcgaacttac	tacgccgtct	acatcttctt	cggcatgctc	480
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cgtctctctg	agtcgatgtg	gaacctggac	gtcaatgacg	acgaggcctg	gcgtcgaagc	600
ctgtctctctg	ccagcacgct	taccgtccgg	gaagctcacg	actgtctttt	ccaggggtgaa	660
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tggaatcaca	agaggacctt	tgaggctctt	caggatgtgg	tactgagta	caaactccgc	780
cttgccgtgg	agacatggga	gagttctctg	gaagtttgcg	aaccagagac	gatcgtcgtg	840
cctctgagca	cgcctcagaa	cggacaccct	ttgatcttca	actcgatggc	tgtctatcgt	900
aacacgcgtg	ctcgccctaga	ggttgacctc	aagtcaatcc	aggaagcctt	gcgctaccat	960
tcttcctacg	aggttgctgc	tcgatgaca	gtggcccgtg	agaaggtgaa	gcggtctggg	1020
gagatgaaca	aggtgatcca	gtcatgtttc	gagtgcatcg	agattgcagc	agtccaaggc	1080
attaattggg	ttgccaaaac	gtcggcaaca	aattggagtg	tcgagcatcc	gctctgcggc	1140
ttggatctga	tggtcatcct	cagtctctgg	ctttatcgcc	tggaacatga	cgaagagccg	1200
gcgactgagg	ctgagctggc	gatctacaac	aaggctccga	atctgtttga	tgacgacgcc	1260
gttgacgctt	ttggtaaact	cagctccacc	gtggcccgtg	tatggggtaa	catcctggac	1320
ggcgtggtag	tctgggggta	a				1341

<210> 9287

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9287

gtgtctctgt	atccgagtag	gattgctcga	ctcaaaaagc	agatggagcg	caagggaaga	60
gcttccctac	actatgccgc	agaggacgga	cattggggagg	cagtgaagtt	gctatcgaaa	120
cacgattgtg	tcagtgtgca	agcgagggac	aattctagca	gaagagacat	ggatttggca	180
ttggataacg	acttttatga	cgtcttcaaa	gcgcttcagg	actga		225

<210> 9288

<211> 249

<212> DNA

<213> A.fumigatus

<400> 9288

aatttgcctt	cctccggctt	ggtttctggg	gtaaacatgt	tcttcttcca	cggctctcgc	60
agtaagccct	cgacgactac	ctccccctgt	ggtagcccgga	tggtctctgtc	tttcttattc	120
atcatcttct	tcgaaatcca	gcctctgttc	acaagaatcg	tgctttcccc	ttcgccctctt	180
tctagtggag	tgaccacaat	gaagccctcc	tggccttcgc	gcatgcggggg	cccgatcaac	240
atctcctga						249

<210> 9289

<211> 321

<212> DNA

<213> A.fumigatus

<400> 9289

gcaaccatac	ccggttcaca	aaaaagagag	gatataaaaa	ccgtcatgtt	ctactccgga	60
ggtcttcagg	aaggaatctc	ccttgctgtc	acagagagga	aagctgtggt	ctgcttcggt	120
cgaggctctg	ctgtcattcc	ccgcacgatt	acatatgatg	ctactatcac	tcagagtcgc	180
atgctgattg	acggggagag	tgtagatgac	gaagagaata	gtaatatatg	ggaggaggaa	240

tattttcaagg atgacgaggt aaatccctcg atgatggcga tcgctgttgt atggcttctt 300
 accccaatgc catctaccta g 321

<210> 9290

<211> 708

<212> DNA

<213> A.fumigatus

<400> 9290

ccaccctgcg	cagattgtac	gcacgggacg	caagcatggg	cctggcctaa	taattctagg	60
tacagtgcac	ctcacacggc	acgagatggt	tctgggagca	tcttcgtaaa	taaaagttta	120
ttgactaatt	acaattggcc	tgatgcagcg	ttgatccccg	tcacggcggt	tatcctaggc	180
acctggcagg	ttcagcggct	cgattggaag	acaaagttga	ttgcgaaatt	cgaggatcgt	240
ctcctcaagc	ctccccctcc	gttgccgcgc	cgtattgatc	caactgcgat	ctctgagttt	300
gattatcgac	gagtctacgc	tacgggtcat	ttcaggcatg	atcaggagat	gttgatcggg	360
ccccgcatgc	gcgaaggcca	ggagggcttc	attgtggtca	ctccactaga	aagaggcgaa	420
ggggaaaagca	cgattcttgt	gaacagaggc	tggatttcga	agaagatgat	gaataagaaa	480
gacagagcca	tggggctacc	acagggggag	gtagtcgtcg	agggcttact	gcgagagccg	540
tggaagaaga	acatgtttac	cccagaaacc	aagccggagg	aaggcaaatt	ctactttccc	600
gatgtccatc	aaatggctga	gctgacggga	agtcagccga	tttgatttga	acaaactatg	660
ggtaagcaaa	ttcctagccg	tgcgagcagg	agatcccgac	atgactga		708

<210> 9291

<211> 1473

<212> DNA

<213> A.fumigatus

<400> 9291

atctaccttg	cacttgaaat	gttgttgaat	gtacccctga	gaaccctcgg	gacctgcttg	60
tcgagagctc	cttcgatccc	actgcgttct	attcgcaatg	cctccttgac	ttcggccatt	120
ggtcgcggca	tccgcaagac	tagatcgggtg	gaaggaagga	acgaaccgca	gaagagctcc	180
acaggtgact	cagaccaaag	ccgtggcggg	aggcattttg	gtcgatcgga	tagtcgcaga	240
gatgtcggca	taaaagcttt	cgacgaggaa	gagttcatta	agacaggctc	attacgtgag	300
ctcagatcgg	aacaaggtgc	agacttaccg	gagccaaagc	gacctaggat	acaaaccac	360
gaaagggcca	agaccatcaa	agaacacagg	aaggagaggg	atcttcaaga	tcgatccagg	420
ttgaagaggg	gcgagatacg	tttcacagaa	ggggaaccgg	agcagcagaa	gaaacatgtg	480
ttggttcctg	actctgttcc	gtacacaact	cctgcgtctg	aattcatcta	cgggaaccagc	540
gctgtggatg	cggcgctacg	cagcggcgga	cgccagctgt	acaagttgta	catatatcag	600
ggagacaacg	aggaacttgg	ccccacacga	tctatgctac	gcaagctcgc	cctctccaaa	660
aacatcaagg	tgaaaatggc	atatgcagga	tgggaccgac	tgtttgatca	gatgagttct	720
ggcgcgtccc	acaatggctg	tatacttgat	gcatccctc	tgccacaact	gcctgtgaag	780
agttttttgc	ccactcagac	cttggggcgc	gatgagttcc	gcgtgggtact	agcgccctcag	840
tcaaaggagg	aagcgatggt	gaacagcacg	aacaatcgcg	tccccgtccg	ccaccttcca	900
ggccaaagca	gatatccagt	ggtccttctc	ctcgacggga	tcaccgatac	tggcaatctt	960
ggcggcatca	tccgctctgc	ctattatctg	ggaattgacg	ccatcgctct	cgctggccga	1020
aactgtgcgc	ccctctcccc	gataacgatc	aaagcatccg	ccggagccgc	ggaaaatatg	1080
cctcttatta	aagtcagcaa	cgaagtggat	ttcatccagc	aatccaaagc	caacggatgg	1140
cgcttttttc	cagccgatgc	accgttacca	ggtactaggt	accctgacac	aaccggcgat	1200
atcgacctca	ctaggaacgc	ggtcacgcag	gcacctagtg	tcatcatgct	gggcagtgaa	1260
gggtcagggg	tgagtggcca	tatcaagtcc	cacgcagatt	cgattgtcag	cattccccgg	1320
gcgagaaacg	cgactgagtg	gggatatgag	aaggaccccg	ccagagttga	cagcctcaac	1380
gtaagtgttg	ctgcggcgat	tctgatggaa	caatttctgc	gaatcccgat	cttgatcaca	1440
gaggcgccgc	caaggaaggc	tgtgaataaa	tga			1473

<210> 9292

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9292

ctaaattcaa	tggctcgcat	acggcgcaca	ctcaacggga	aagacctcaa	tctacgcttc	60
aacgaacacc	ccagccaggg	cctcagcaag	catctcaaca	agagcaaccc	ctctcgccgg	120
atgcgatgcc	tcttgaaatg	cgacttgctg	cagttgaagt	acctccgatc	gccaaaccag	180
aagagtatga	atttcttctt	ggccatttcg	gggtccgcta	tgtga		225

<210> 9293

<211> 423

<212> DNA

<213> A.fumigatus

<400> 9293

gtcaccttct	ctcaccttca	gacacttgag	aacgggtccgg	aggccctact	ccacttccag	60
agcactgatt	accgatcgtc	atctcccaca	acttctcaca	taacgcttca	ctcgtcagac	120
aaggaagatg	ttgaatctga	aacccgaggt	cgacgatctc	gacgcacaaa	gaatgctacc	180
ttcacggatt	tctttggggc	cctcagcagc	gacgacgagc	ctatggggga	tgcttcgagt	240
gatgatatta	tttctctctc	tgctatcacc	gcaaggactc	gccccctcaa	gagagatgtc	300
cgcaaccagg	tgccgcgcgc	atccagacag	cagtcaagtt	cagagaacga	gttccttgat	360
cctagatgca	accgcttctc	aaattcggca	gcgggaagac	cttgcgggggg	aattctgcct	420
tga						423

<210> 9294

<211> 567

<212> DNA

<213> A.fumigatus

<400> 9294

actctccttc	aggcattgaa	attcattecc	aatcacgcgc	tctctccaga	ggggttccca	60
acgtctttcc	ttgagtatct	ttctcctcga	tgcacccttg	cgccccctca	tccttccccg	120
ctagcagcga	acctgttcaa	cgttgatggc	gtaacttcag	tggtctatgg	tccggacttc	180
attaccgtga	ataaatccag	cgatgccaac	tgggcacaca	tcaagcccga	ggcttccagc	240
cttatcacgc	aggctgtgac	atccggagag	gcgattgtca	atacggtaga	gaagacagga	300
gaacatgcgc	aggagagcgg	tgagcaggaa	tctctcagtt	ttagcgagga	tgatgaccag	360
gttgttaaca	tgattcagga	acttcctgga	accgataaat	cctgccttcc	tattcctgaa	420
agaccgtggg	tgatatttga	aactccgggg	gccttccaag	aaaccggcct	ttgggttaaat	480
tttaaaagct	caccttgggt	tcggtttccg	gctactttgc	ctaactcgaa	actccttggt	540
gaacttttga	aaaaatgggc	cttctga				567

<210> 9295

<211> 507

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (461)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9295

cccgtgttc	acagttgctc	gctcgccctgc	actcagtcctc	ataagatcta	ttgcgcaccc	60
aaaccccagg	ggccggagcc	caaaagcgcg	acagatacca	cccaaaccac	gcctaacgtc	120
cacggcgagc	aggaagtcac	cgagagctcg	aacgcactag	caaatcgaaa	tgcatcacgc	180
gtggaagcac	tagcgtcctc	cccacaagtc	aaagacctac	ttgctcagag	tcctcagctt	240

cgtgattgcc	tgcgcgatat	ctacaagatt	actttggaag	aggagtggat	agaacagggga	300
cctcctgggtc	gatcacgacc	gtaccataga	ggacgtggag	gttaccgcaa	tcgaggctcg	360
tggacccgag	agaaagggtt	caaccgagga	ttgggtaagc	ttaggaaatt	gagagagagg	420
tgtgaaggag	gatcggagac	cggaaagcac	gcagaggcgt	ntatgaattt	tatggctttg	480
gtcaacgggtg	agaaccagca	ccagcaa				507

<210> 9296

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 9296

tgggaatgca	tatgtgcagt	tcaaacatta	ttggatgccc	cagggcagta	tgatcccaga	60
ggcacagccc	cattatatca	tcaactcctt	catggaggag	aacttcaaaa	atctcgttcg	120
agcgagctcc	actcgtcgat	tccccagtcg	tgttgccagg	gtcccacatc	agcgggtaaa	180
acaagcatga	tagagtatct	tgccaaagta	tcgggcaaca	agtttgtag	aatcaacaat	240
catgaacaca	cgcacttgca	ggagtatctt	ggttcctatg	tctctggtga	tgatggaact	300
ttgcgttacc	aggaagggtg	gctgggttgaa	gcactgagga	acggttattg	gatcggtctt	360
gacgaactta	atcttgccac	gtcggacgtc	ttggaagcat	tgaacagact	tctagacgac	420
aaccgcgaac	tattcatacc	cgagactcag	gaagtcgtcc	acccgcaccc	gaattttatg	480
ttgttcgcga	cacagaatcc	ggccggcctg	tatggcggcc	ggaaagtact	gtctcgccgc	540
tttcgaaatc	gtttcctcga	gttgcatctt	gacgatatcc	cagaaagtga	gttgaggttc	600
atcttgaaag	agcgggtcgca	gattgcgcga	tctttctgca	ccaggattgt	gtctgtttat	660
cgaaagcttt	ccctactgcg	ccaagcaaac	aggctattcg	aacagaaaaa	cagttttgcc	720
actctacgtg	atttggttgc	atgggctctg	cgccgggcag	acgaccgtga	acaactagcc	780
gtcaatggct	ttatgctgct	tgcagaacgc	gtccgcaatc	cacaagaaag	ggcagctgtc	840
aaggcagtg	ttgaagaggt	catgaaagtt	cccatgtgat	aagacacaat	ctatagtgtc	900
gctgaattgg	aaaagcgcgc	tcctaacctg	aaggaattgg	cgccctggcat	tgtttgga	960
aaagccatgc	gccgtctctt	cgtcctggtc	tcagtagcgc	ttgagaacaa	ctaa	1014

<210> 9297

<211> 579

<212> DNA

<213> A.fumigatus

<400> 9297

cccgttcttc	tcgtgggaga	aactgggtgc	ggaaagacgc	aactctgcca	ggcagttgca	60
gaaatttgta	ggaagcaatt	gttcattgtc	aatgcccatg	tgaatttgga	aactggggat	120
ctaattaggag	ctcaaagacc	agttaggaac	agagcggcga	tcgagactca	gctactcaac	180
gaccttcgaa	ctgtgggtcaa	cacagggtgat	gctgagccga	tatctcttga	cgagctgacg	240
agcactttta	gtgctatgac	agttgaacaa	ttggaagcat	gcgatactga	aatagtccaa	300
cggatccaga	agaacattgc	tcgcttgaat	gccctcttta	aatggctctga	cggtagtctt	360
ataacagcca	tgaagactgg	gcaatttttc	cttcttgatg	agatcactct	cgctgatgat	420
tcggtattag	agagacttaa	caatgttctt	gaaccccaca	gttcgatact	cctggcggaa	480
aaaggcccaa	atgattccat	ggtcgtagcg	caccaaggat	tccattccct	tttgaccttg	540
aaccctggaa	ggagattacc	gaaagcgccg	agcttttag			579

<210> 9298

<211> 924

<212> DNA

<213> A.fumigatus

<400> 9298

tacgtatatg	cggatccgtc	gggcctccgt	ggtgaagaag	tgacgccaa	ttcgctttcg	60
ccttcgtcca	ggggaaaaat	cgctcgtgca	cttcgcaatg	gcgaatgggt	cctgcttgat	120
gaggccaatc	tagcctcccc	agatactctc	gagaatattg	ccagtcttct	gcacatgggt	180

agcgaagggtt	ctccttctgt	tctgctatct	gaagctgggtg	acgtcgaacg	ggtttttggc	240
catectgact	tccgcatatt	cggcgccatg	aatcccgcaa	ctgatgcggg	aaagaaagac	300
cttcctcctg	gactcagatc	tcgtttcacg	gagatatacg	tacagtctcc	ggataccgac	360
ctggacgatac	tgctcgcttt	gattcagaaa	taccttgggtg	acctggcaat	aggcgactca	420
agggtcggtg	cggacctggc	gcagctttac	atggaaaacca	agaaactcaa	caacgagaac	480
aaacttacgg	acggagcggg	acaacggcgg	catttcagta	tccgaaccct	cgttcgtgct	540
ctcatatatg	ttctcgaaaa	tgcccacata	tatggtttgc	gccgggcggt	ctttgagggc	600
tactgtatga	gtttcttgac	cgttctaagc	caagaatctg	agcggctact	gttgccctctg	660
cttgagcggt	atgtctttgg	caatgcgaag	aacgcaaggg	cactactagg	acaaaccccc	720
aggccaccga	atgatgggaa	tgcatatgtg	cagttcaaac	attattggat	gcgccagggc	780
agtatgatcc	cagaggcaca	gccccattat	atcatcactc	ctttcatgga	ggagaacttc	840
aaaaatctcg	ttcgagcgag	ctccactcgt	cgattcccca	gtgctgttgc	aggggtccca	900
catcagcggg	taaaacaagc	atga				924

<210> 9299

<211> 183

<212> DNA

<213> A.fumigatus

<400> 9299

aagctggggc	acctaatacga	agagggttcgc	gagggcttac	acgtcagggg	tgttgaatc	60
aaggccgaga	cggtggagaa	cggaacggtt	aagacaaagg	ccgcggaggc	agatatctat	120
gactttgcag	tgggtccatat	actcgccttt	cgctgtcga	aggtcttcat	gtccgatctg	180
tag						183

<210> 9300

<211> 1044

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (14), (49), (54)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9300

gagcgccccg	ctcnaatcta	tatgcggacg	gctcgtctgc	tagagaaana	cgantggccc	60
cggcccttct	ggatgaaaat	atccgagttg	ctcctcaa	ccaccggctg	gaagtactcc	120
tggcagtcct	gtcggcgacg	gatgcagcag	tacgttgaga	aacgaaagac	ctattgggca	180
gcattcgacg	ccgataaaac	ccttcctgat	ctgggcgaca	tggacgaaga	cctggcctcc	240
gacatcgacg	actggatggg	acggtgcgag	ctacggctcc	agaacgagga	gaaagagcgc	300
aggggacaagg	cgcagaagac	cgagctggag	caggcggaac	tcgcgcgcgc	cctcaagctg	360
caacggacgt	tcgaatgggc	gaagaatctg	cctccaccgg	aggaaatgga	gcgccagccg	420
acccactggg	gaatgcctcc	gcaccgattc	gtcacaatga	acggccgatt	gcttcagggg	480
ctggatctcg	cgttccatct	gtccaaggtc	cggccagatg	agagccgaca	gttggcgctc	540
gacgctgtcc	tgctccacgg	ccagttcggc	taccagcac	acgaccagaa	accgaaaccg	600
gatccctcgg	gcccttgctt	tgggatattt	aaccccgcca	acaggaagcg	accgtttgat	660
gccatcgacg	gcgctgcctc	ggagcgaccc	gcgcgccagc	cccgtatgga	tcttgaccgg	720
catacccgat	cccagtccca	gccccagccc	ccgaccagg	ctcagcctgc	ttccggcgat	780
aaaccctccg	agaagagaga	aactcccgcg	gcgatgctgg	cgaggaagaa	cgtggaccgc	840
attgtcaacc	acctctggct	gcagtttgcc	aagggcatac	cgccgtacta	cgaggagcat	900
agggaccagc	cacagacaaa	caagcagttc	ggactgggtc	tgtacgatct	ctaccgggat	960
ctgggcccgg	ctttcacgaa	ggctgtcaac	cgactcgtgg	atattggaatg	ggattccgag	1020
tgtgaatccg	catcgcagta	ttga				1044

<210> 9301

<211> 597
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (3), (112), (117), (330)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9301
 ctntgtttga atcacttcgt cgaaacgtac gatccgacta ttgaagactc gtaccggaag 60
 caagtctgta togatcaaca gtcttgcattg ttggaagtgc tggacaccgc angccangag 120
 gaatacacia gcctgcgaga tcagtggatt cgcgacggcg aaggttcgtg cttgtctaca 180
 gcatcacatc acgcgcttcg gtcactcgca tacaaaagtt ctacaccggg aacaagattg 240
 gcaaagagtc agcccaactc cggtcggcat tccgaaccag ctatatggga atcgcccatg 300
 aaccgcgctt tcggttcgcg ccttcccgtn cccgtgatgc ttgtcggcaa caagagccgc 360
 caaacaaggg gaaccagcgt ccttaacgca agaaaggcaa agccctggca aaaggaactg 420
 ggcttgcaaa ttcttcaagg gcttccgcca gaaatggatt caagtttggg aaagcccttt 480
 tacaaagtcg ttcgcaatgt tcgaaagaaa gggaaaaaag gtaggggggg ggacaagccc 540
 aaaaattttt acccgatggg tttggggcct tttgcccac gggaaccggg gccctaa 597

<210> 9302
 <211> 1362
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (300)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9302
 cttccccccg tgcagcgcgg taccttccag ccccgggggc tgaagacaaa tattcccaact 60
 ggcgaggcct ccgctctctc ggccacggcc gcttcgatag ccgtgtccca cagtgcgct 120
 gcatgcgca gcaaggcaat caccaagacc cgtgttcaga ccgtcatgtc tcaagcgacc 180
 aagccaagct cgttattgaa tggcccgaag gtgtttgagc gatccaagcc gcagtacgcg 240
 gaatacgccg cttcgtcctt tgtgagcgtc aagtcggccg gtgccaaggg tgatggccan 300
 accgatgaca ccgcccggcat ccaaaaagtg ctgaatagcg tgacggaaga ccagatcgtc 360
 tactttgatc acgggtgccta catcatcacc gacactatca aagtgcccaa gaacatcaaa 420
 atcacgggtg aggtctggcc ccttctcatg gctcacggcg agaaatttgc cgacgaaaag 480
 aacccaattc cctacttca gattggtcag cccggcgaaa agggctctgt ggagatcacc 540
 gacctcgcca tccagacca gggcccggca cctggggcaa tcctgatgga atggaatggt 600
 gccgaagcca gccagggatc tgtgggtatg tgggatgtgc acttccgcat tggcggctcc 660
 gggggcacgg aattgcagag cgacaagtgc tccaagacgc ccaagatgac cacaaccccc 720
 aaccgcgagt gcatcggcgc gttcatgttg ctgcatctta cagagcaggc aagcgccctac 780
 atcgagaacg cttgggttctg gacggcggac cagcagctcg atctggcgga ccacaaccag 840
 atcaacatct acaacggtcg tgggtgtcctg atagagagca atggaccgt ctggttgtat 900
 ggcacggcct cggaacacca ccagctgtac aactaccagg ttgcgaacgc ccaaacgtg 960
 ttcattggcct tgatccagac cgagacgcca tactaccagt ccaaccaga cgactgaca 1020
 cccttcacgc ccagaccac atggaacgat cctaccttct cccactgcac aaccgcctcg 1080
 tgcgcgaagg cctggggctc gcgcgtcatg aacacctcag atctgttcgt gtacggggcg 1140
 ggtctgtaca gcttcttcga gaactatggc cacacatgct tggataccga gtcgtgccag 1200
 gaaaacatgg tggaggtgga ctgctgaat gtccatttgt acggactaag caccaaggcc 1260
 agcgtcaaca tgatcacgtc tccaacggc gcggggattg tgccacagga cgagaacgag 1320
 agtaactttt gctctactat tgctctcttt gaacaatcgt ga 1362

<210> 9303
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 9303
 ttccctcaaga ccgcgcgtatc tttaatcttc atcgccctttt ccatccgcga ctgggtggag 60
 gggtccgacg ccgggacggg tcttttttcc tcccatctgt catcgcggtc gtcgtcgcct 120
 tttgcacgaa attcaccttc ttcttgtatt ggtgggacct ccgcaaccag gtctcccaga 180
 tccgaatcct ctgggaagac caccgcaacg acctcttcat caacggcttc ggtatcctca 240
 cctccgtcgg cggcagtaaa ctgcgctggt ggatcgaccc catggggcgt attatccttt 300
 cgggtgcttat cagcgtcctc tggctgcata ccgcctacca tgagttccag ctgctcatcg 360
 gtgtcaccgc cgataccaag atgcagcagc tcatcactta tatctgtatg tttcttccat 420
 tgtctggata gggaagtga aaatgagaga gaggctaatt ga 462

<210> 9304
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 9304
 aaaatgagag agaggctaatt tgatctccca gctatgactc attcccccta catcaccgcc 60
 atcgataccg ttcgcgcgta caoctccggc ccccggtcgc ttgtcgaggt tgacatcgtc 120
 atggaccccg aggagtccct gcgtgcgacc catgacgtcg ccgaggagct gcagatgaag 180
 ctcgagtcgt tgctgatgt ggagcgggct tatgtccatg tcgactatga gacgactcac 240
 aagccggagc atttcttgaa gaaggaactc tga 273

<210> 9305
 <211> 456
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (25)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9305
 accagcaggc aacattgggt tatgnttcct caagaccgcc gtatctttta tcttcatcgc 60
 cttttccatc cgcgactggt tggagggttc cgacgccggg acgggtcttt tttcctccca 120
 tctgtcatcg cggtcgtcgt cgccttttgc acgaaattca ccttcttctt gtattgggtg 180
 gccctccgca accaggtctc ccagatccga atcctctggg aagaccaccg caacgacctc 240
 ttcatacaac gcttcggtat cctcacctcc gtcggcggca gtaaaactgc ctggtggatc 300
 gaccccatgg gcgctattat ctttctgggt cttatcagcg tcctctgggt gcataccgcc 360
 taccatgagt tccagctgct catcggtgtc accgccgata ccaagatgca gcagctcatc 420
 acttatatct gtatgtttct tccattgtct ggatag 456

<210> 9306
 <211> 438
 <212> DNA
 <213> A.fumigatus

<400> 9306
 gactgtcccc acgatacttc cagtgaagac catgtcagcc ccgccttcgt taagggtttt 60
 ggagagacct tgaccctggt tcggaaactc ttccagtcca ccaagccctc cgcacagccc 120
 ttcgtcatct ccggcagtgg cacactcggc tgggatgttg tggcttcgta cttgatcgag 180

aagggcgaaa	atgcgctcgt	cctgcacacc	ggatactttg	cggattcctt	tgctgcctgc	240
ttggagacat	acggcgctca	cgcgacacag	ctcaaggcac	ctattggcga	ccgtccgtcc	300
tttgagcaga	tcgagcaagc	attgaaggaa	aagccgtaca	agataatcac	tattaccac	360
gttgtacctc	caccgcgtgc	tgagcgactt	aagcgcgctc	cgaaaattgt	cgccgggtta	420
ccccaaaccc	ctgtgggt					438

<210> 9307

<211> 828

<212> DNA

<213> A.fumigatus

<400> 9307

gcccgaagtt	cccggaacgg	tttatgtttg	gtaagttcag	taatcctctt	tgctcgttg	60
ttctgcctg	ataaggtctt	accatctcct	ttctacagac	gtatcccca	cggtttctac	120
gaacatcaga	tgcgcgctta	cttttcccaa	ttcggcgaca	ttactcgcct	gcgtctctcc	180
cgtaaccgca	tcaccggtcg	ctcaaagcac	tacgctttcg	tagagtccgc	ctcgagcact	240
gttgccaaga	ttgtcgcgga	gactatggac	aactacctga	tgtatggcca	tatcctgaaa	300
tgcaaatacg	ttccctccga	tcaactgcac	ccagaggctt	ggaagggtgc	caacagacga	360
ttcaagcgca	ccccgtggaa	ccgcctcgag	aagaagaggc	tggaaaagg	caagacgagg	420
gaacaatggt	cggagcgcat	tgagcgggaa	cagaagagac	gtcttgcaaa	ggccgagaag	480
ctgaaggctc	tgggttatga	gtatgagctt	ccccagctga	agagcgtcga	cgaagttcct	540
gtccaagaag	agaccaaggc	gattgaagct	gccgatacga	ctgccgatga	gccaagaag	600
gctatcgagg	caccctcggc	gcaggagtcc	aaggaggaga	ctaccgtgga	cgagattcct	660
aagaagttga	agaaggagaa	gaaggcaagc	caatcgactc	ctaagcaggg	gacgccaag	720
caggatggcg	aaaaggcgtc	aacgaaaaag	ggagtgaatg	gagctgccgc	ttcaccggct	780
acaaaggctg	ggaccaagga	caagaaggct	aagaaggtga	aggcgtag		828

<210> 9308

<211> 630

<212> DNA

<213> A.fumigatus

<400> 9308

ctgacatccg	tcgagcgcg	atccttccag	ccccgtgggtg	aagactctat	actgaagaag	60
aacaagaagg	atggccctgc	tacagagcaa	aattccactt	ccaaagtga	ggtcaatggc	120
gagccggcaa	gacaggtcaa	gcctcgcaag	cgtgcggcgg	atttcctcag	cgacgacgag	180
agtgagccgg	aagtgtgtgc	atccgaaccc	aaggccgata	ccgaggagaa	gaagcagccc	240
agtaagaaga	agtcgaagaa	ggaggacggc	actcctgcgc	ccgtacaaa	agccaagaca	300
agcgtacttg	ctgcgaagcc	caaggcgacc	aaggcgaaga	agcctgagcc	ggtcgtcgaa	360
gagtcggacg	atgaggataa	ccagcaggtc	cctgttgtct	ccgatgatag	ctctgaagac	420
gaagaagatg	atacactaga	cgatcagacc	gccgctttga	tcaagggttt	cgagagcagc	480
ggcgacgagg	acgaatccgg	ggacgaagga	tttgatcctg	accagccagt	tccaagatc	540
cccgattcca	agaaggccaa	gcgcaagatc	ttgaagaagc	aaaagaagca	cgatgagccc	600
gaagttcccg	gaacggttta	tgttgggtaa				630

<210> 9309

<211> 1398

<212> DNA

<213> A.fumigatus

<400> 9309

cggagaaccc	cccgcggagt	catggaatca	gaaagggacc	caggaaaccc	aggaaacccg	60
gccgtcaatc	cgctcgagac	aaaggtccta	ctttcaggcg	ttgtacctcc	tccccttctg	120
acggggacac	agcatcgtga	tcggtatgga	ttccgcaaga	aaacgaacta	tattaccctt	180
gaacagtacg	aggcttggaa	tgggtccatat	tcagagtttg	tggcgagccg	gcgagtcaaa	240
tgggcagaat	tactcaagga	gaacggactg	ccgacgtccg	aaccacag	gttcccagcc	300

aagtcgtcca	agatgaagcg	atttgtccgc	aaggggattc	catctgagtt	tcgtggggcg	360
gcctggttct	ggtatgctgg	gggttttgat	ctcctcaagc	ggaatccggg	actgtatgac	420
cggcttgtca	aggaagccat	ggattctccc	aacaacgatg	ataaggagca	catcgagcgc	480
gatctgcata	ggaccttccc	cgataacggt	cacttcaaac	ccgaattcgt	cgacgaagct	540
atgacctcgg	gcactagctc	tggcagcagc	aacccgaagt	acagctcggg	cactgtagag	600
actcagatga	tccagtcact	ccgtcgcggt	ctctatgcat	tttctcttta	taatcccagg	660
gtgggctaca	cgcaatcgct	caactttatc	accggtatgc	tcttgccttt	tcttccggaa	720
gaaaaagcat	tctggatgct	gcacatcggt	acgtctgtgt	atctgccggg	cacccatgag	780
attagcctcg	aagggtgcaa	catcgatctc	tggatcctca	tggctcttact	gaaggagaca	840
ttacctcata	tctacaacaa	gatcgctggc	aacccgggca	ggtcgaagac	tcccggcctg	900
acgggtggact	ctcggcttcc	ggatatcacg	ctgggcctga	caaactggct	gatgtcgttg	960
ttcattggca	gcctgccttt	ggagacgacg	ctgcgcgttt	gggatgtgtt	cttctttgag	1020
gggtccaaaa	cttttttttcg	cgtgtcgcgtg	gctatattca	aggcctgcga	gaaggacatt	1080
cttgccgtat	ccgatcccat	ggaagtcttc	caagtctgtc	agacggtgcc	gaagaaactg	1140
ctcgacgcca	acgcgttgct	ggaggattgt	tttgtccggc	gacaccgtgt	cggacaaggt	1200
cgcatagagg	agttgagagc	ctcccgcacg	gcggctgtcc	gacaggagaa	actgaggcgt	1260
tcgctggcga	tcagcaaggg	tcaactccag	gctgccacgg	acgagtggcc	gaccacaagg	1320
tcgcggacgc	ctattcctgg	gttgagagcgc	aaagtccggg	attcctggcg	tcaaatgagg	1380
caacatgcct	ttagatga					1398

<210> 9310

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9310

caaagtacag	cgcggtattgc	cggccctcgt	ggtagaagaa	cagctatgct	ccctatgcag	60
aatatatggc	agagaaatga	gacatggacc	aagtatctct	acttctctct	taacgagaga	120
caaaatatcg	ccatccggat	tctcccaata	atatacgaga	agcaaaatgg	ccagatttct	180
atcttcagac	ttcagcctac	ccgcatctct	gcatttaaag	agctccgccc	tttggacctg	240
attatgaggc	caccacgtgg	acggtgcacg	cgtcggaagg	cgtga		285

<210> 9311

<211> 183

<212> DNA

<213> A.fumigatus

<400> 9311

agaccgagac	tggagcagtg	tactgcatg	ctggccgact	ttgatctgcg	tttcgggtgt	60
gagtttccga	aggacggcga	tgaaggagtc	gagaagcggg	cgcgccgcta	cgatgctaata	120
ttcttcgctg	agtaccgagt	caagatagta	gatgagggtct	tggccaagct	catgttcgga	180
tga						183

<210> 9312

<211> 1284

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1188), (1206)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9312

gcttgcaactc	tgtcaagag	aacctccctt	atggcatctc	agaggatcgc	ctccgcactc	60
gcggagattg	agtcgtccac	caaccacacg	accaagctcc	agcagtacaa	caaccttctc	120

tccgagatca	cgtccacatc	atccgaacat	gagcttggcc	aagacctcat	ctactatctt	180
gactcggtag	tcagcgaaga	aattagcatc	gtagcggcgc	gaccgcttct	cgactccttc	240
atcgccgtcc	ttcggaact	cacacccgaa	acgcagatca	aagtcggcca	gcatgcagtg	300
acactgctcc	agtctcggtc	ttcatccgtc	gaggagcaag	actcccagat	tcgcgagatt	360
ctcgcgagcg	catacgagtc	ccaggaggag	tacgcggccg	ccgcacgtgc	actacagggc	420
attcacatcg	acagctcgca	gagactcgtc	tcggacgccg	ccaaggtgcg	gctatggata	480
cgaattgtac	gactatacct	ggaggaggac	gatacgacca	gtgcagaggg	gttcctgaac	540
aaaatcaaga	acctaccag	caagatcgag	gaccacgaac	tgaagctcca	tttcaagcta	600
tcgcaggccc	ggatcctcga	tgcgcgacgg	cggttcctgg	atgcgagcca	ggaatacttc	660
aatgtcagtt	tggccgggtg	cgtggacgag	agcgatcggc	tacaagcgct	tgctgctgcg	720
atccggtgtg	cggtccttgc	cccggcggga	ccgcagcgct	ctcgcatcct	cgctacgctg	780
tacaaggacg	accgtgcgac	ttccgttgag	gagttcggaa	ttcttgaaaa	gatgttcttg	840
gatagactcc	tagatccagc	tgagattgct	gccttttctg	aacgactagc	tcgcgaccag	900
ttggctcgaa	cagcagacgg	caccacagtg	cttgacaagg	ctgtggtcga	gcataacctc	960
gttgccgcca	gtaagcttta	cgagaacatt	acgacggacg	cactgggtgc	gatcctgggt	1020
ctcaaagaga	gcgagagatat	gacggcgggc	gaaaaggcgg	aggcctacgc	ggcgcggatg	1080
gtcgagcagg	gtcgactgaa	cggtagcatt	gaccaaattg	ctggtatgat	ttactttgac	1140
tcgagcgagg	gcgggtcggc	cactgcaacg	ggacgacata	tccggcantg	ggatgcgggg	1200
gtgcanggtc	tctccgaaaa	tgtggaacgg	gttgacagcta	gtattaaaga	tgcatttccg	1260
gtatgtgctc	attcagtcctg	gtag				1284

<210> 9313

<211> 369

<212> DNA

<213> A.fumigatus

<400> 9313

ccgccagcaa	ggccactggc	tttgctgtcg	tgcgctggta	gattctggct	gaaaacgacg	60
tctcgaccac	gaaacatact	tggtgttatt	gggtactggg	tcttgaccaa	gaattctcac	120
ctacctctca	ttgtccatgt	cctggactac	gagtatggaa	agacagcgct	cctcgctgca	180
aagaatgtcg	ccggagagaa	cgcgatgact	acaactagtg	aggaagcgag	tgacttcac	240
caaaccgcca	acgctgtaaa	caagatgggt	accgtttacc	agagtaagcc	cttagcttca	300
tggttgcgag	gccatcgagg	gcgtacattc	aggtgggtctt	tgctatgcga	tttgacaag	360
cacttctga						369

<210> 9314

<211> 189

<212> DNA

<213> A.fumigatus

<400> 9314

tccgataact	tcagtaccca	tcacaccggg	ttcatactac	tgccttcagc	tttattccac	60
tacggcatag	ctggtggagg	acaaggcaag	ccagacaacc	gatttattac	cgggaaacgc	120
gtactcgccc	gaattgcttg	cggtaaagttc	gctgtgattg	cgcccgctca	gcaaacctgt	180
ctgacgtga						189

<210> 9315

<211> 738

<212> DNA

<213> A.fumigatus

<400> 9315

gaaaatcgac	gggcaacccc	caacatacgc	cacgacgacc	gtacgaccat	atcccggagc	60
caactgatca	ccaccagcat	tgtccggccc	gtcaagatgc	ttttcctctc	gcatgtggtc	120
ttcgactat	ctctgctgac	cgcggttgcg	tatggaacgc	tctacatctt	cttcaccacg	180
gtaaccgacg	tctttgcatc	gcgctacggc	atcatcacca	acgtgggcct	tatatatctg	240

ggctgtggct	gcggtcaatt	tgccggcctc	cctatcttag	ggcttgtgtc	cgatgcaatc	300
gtcaggcgag	cagcccgagg	cggcgagatg	aagcccgaa	accgtctgcc	acccacgac	360
ctgggcggat	ccatgatccc	gatcggttg	ctcatatatg	gctggaccgc	cgagtatcgg	420
gtcttctggt	tctgtcctgt	tctgggcaca	tttctcatag	ggttcgcat	gataacgggt	480
ttcaccocgg	ttgggacgta	cctagtcgat	gcgtttccaa	tgtacgctgc	cagcgccacc	540
gctgctaata	cgggtcttcg	cagtgtgggg	ggcgcgtttc	ttcccttg	gggtcctcga	600
atgtatagta	gccttgggtca	gggctgggga	aatacgcttc	tggccggtat	atccttgctt	660
atgatgggca	tgattttcat	gtccttgaag	tatggagaac	ggttgaggac	ccatccaaag	720
taccaaatca	agctatga					738

<210> 9316

<211> 1137

<212> DNA

<213> A.fumigatus

<400> 9316

cctgcctttc	agatggcacg	aaaccctaca	atggatccca	acggcacttt	atctcgccct	60
cttgatgagt	ctctgtatcg	cgaacttccc	cagctccaaa	gcctccgcat	tgctcctctc	120
cgacagcctg	tctcttcccg	tctgctgagc	gctccatcac	ctcttgaacc	gaatgccact	180
ggaatcagtg	agccgaatgc	gagcagcaaa	cccaatacac	ctggagcgaa	tcagcccgcc	240
aatctcccca	ctcttacaga	gttcttgaac	gctgccaggt	cgaagaagaa	cggtcgtgcg	300
gtggacacgc	ttctgagctt	ggagcctcct	ccaaaaacca	tactgccagc	ttttgtcaac	360
ttacgagctt	tggagcgatt	cccgtattcc	tctgtcgacg	atgactctct	ggctcgcaag	420
cgctcgccgtt	tagatgttca	gacagattcc	ttcggagaac	atttgcagct	tccgattcct	480
caggcacaga	aggaacatcg	acctccgcca	tttggacctt	ttgcaattct	caatggactg	540
aatgaaccgc	cccccaacgc	tgctctcctg	cctcctatcg	aacctggctc	tatcacgcaa	600
ctgctcacca	aaccttcccg	ggatgtogct	gttgttgagt	ccgttacatt	gactgctacc	660
acgacggcgg	ctgctcagac	cgtcgaacga	aggggaaggga	gaatcaagga	tatccttgac	720
tccccatttg	atgacaagac	cgccagtgc	gaccaagatc	ctgtcgaagc	aaaccattca	780
gtgaacgggg	cgaccgttga	tgcacccggg	ggcgacagtg	acaaatccga	atccgataag	840
actcctccgc	gtgcggatga	tgtggagcca	ctttctccaa	agacaagggg	ccgtcccgct	900
aagaacgtac	gcaaatggac	tgaggaggag	acgactgcgt	tacttcgcgg	ggtggtcaag	960
tgcggtatcg	gtaactggac	agctatcttg	gcgagccag	aactgaaatt	caacaaacga	1020
agtgtttcaa	acctgaaaga	taggtatgat	ttgcgcgcag	tccccgagaa	gccaagaact	1080
aacatcggct	ttcacgtcgt	taggtttcgg	gtttgttgtc	cctgggcata	tcggtga	1137

<210> 9317

<211> 828

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (783)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9317

gtttttgattt	tgacattggt	cggttgcagc	tctctaacat	tctatagcgc	tgccgatccg	60
aacgaggcca	caaagcagtt	gcacgatacg	ttggccaatg	cactcctcag	agctgagacg	120
gaaggttctg	atggcacggc	tggaaagatt	ttgcttccac	aaccgaggcc	aactaattca	180
gagtctcata	cttccaatgg	aggctcaatg	gccaatgtga	acgagtcagc	ctccgccagc	240
tgtcctcag	aagccgatac	caaaatttca	aagtccccct	cgaaatacgg	gccttctttc	300
aaggccacac	ctactctttc	aaatagatct	aaatccactc	ttgcttctct	cggcattcct	360
gaaccacact	ttgccatgaa	atcccgccgt	cgtcccgcc	gccattttac	cgctcgctgaa	420
gacgaagctc	tactcaaagg	gtatgcggtt	cacggattcc	agtggacact	catccagcaa	480
gataaacgct	tgaaccttag	ccaccggaaa	gcaactgacc	ttcgggatcg	attccgaacc	540

aagtttcccc	acgcgtatcg	tgacgggggc	tccgtcaatg	gtagatcact	gcataatccag	600
agtcaaggcg	tagacctggc	agatacagaa	aaagcaccac	ccataaaacc	caatacacaa	660
cctaccgggc	aatccacgtc	ttctgcacga	agtggtagaa	ctgaatgggc	agaatcagtc	720
tccctgggaa	ctattgaatc	gggcctttct	ccgcctgctc	ctccacaggg	tttgcttgaa	780
gengcaacaa	acgcgccaca	ggaaattaca	tctacatttc	ccggctga		828

<210> 9318

<211> 354

<212> DNA

<213> A.fumigatus

<400> 9318

ttaaccgata	cgtgcgtgaa	gaatggcggc	tcccattttc	tggcggaaat	tgcgtcgcgc	60
gagtttatgg	ataatcttgt	gtctctctc	acgacggagg	gggctccctt	gaatactgat	120
gtgaaagaga	agatgctgga	actcattcag	gactgggcta	tggcggccca	aggccgcag	180
gatctcaatt	atcttggcga	gacctaccgc	aagctgcaga	atgagggttt	ccgcttcccc	240
ccgaagaatg	agattagtgg	gagtatgttg	gaaagcagtg	cggtatgttt	gcgtccgtcc	300
catggtgcgg	atcttctctt	gaagctaacg	ttcaaaattc	ctgcggaaac	atag	354

<210> 9319

<211> 711

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (616)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9319

cctcctgagt	ggatcgattc	cgacgtttgc	atgcgctgcc	gtacaccggt	cagtttcatg	60
aatcgcaaac	atcattgccg	caattgtggt	aatgtcttcg	atgctcagtg	ctccagcaaa	120
acccttcccc	tgccacactt	ggggatactg	cagcccgttc	gtgtcgatga	tgggtgctat	180
gtcaaattga	catcaaagtc	atccttgcca	tctaatttat	cagaccgata	tgcgttcaag	240
aaccactcaa	taaccaaggc	aaatgcgatg	gagcctcgcg	gcgcaagggc	agaagggggc	300
tttgatgatg	acctgcggcg	ggcgcttcaa	ctgagtttgg	aaaagggtca	aagcaagggc	360
tctctgtggt	acgtaccatc	aactaggatc	aatgacgaac	cggcaaagac	gactactcaa	420
accaaccacg	aggaggagga	agacgcggac	ttgaaagccg	ccattgaggc	ttctctgcga	480
gacatggagg	agcacaagaa	gaagcatgca	gctgccctga	agagtaatgc	agccgcgaca	540
gattcttcca	ctcgtgatag	tgcgcgcgca	actcccttgc	ccaaaaatcc	ctatgagctg	600
agcccggtcg	aggtanaaaa	cattcatctg	ttcgccgccc	tcgttgaccg	gttacaacat	660
caacctccgg	ggactatctt	gcgggaacct	cagattcaag	agctgtacga	g	711

<210> 9320

<211> 711

<212> DNA

<213> A.fumigatus

<400> 9320

cctgctctac	tctgctctac	accagacagc	gtccagcatc	gcccagaact	aacagacggg	60
aaccagctac	cgaatctcat	catcggcgat	ctggactcca	tccgcccctc	cgtgcgctcg	120
cattacgagg	ggctaggcgt	ctccgtcatt	aaggaccggg	atcaatactc	aacgggatttc	180
accaagtgtc	tcaagtacct	ccgcgcgcac	gcagctgaga	tcatcaccaa	gcgcgtgatt	240
tcaacgcagt	cgcggtctgc	gcggctggag	attctcatca	tgggtggcct	gggcgggaga	300
gtcgaccaag	cgttatcgca	gatccatcat	ctgtatatga	tgacgcggga	agtagctggt	360
gagtcggcgg	cggggggatct	gtacctaata	tccgaggaga	gtatcacatt	tcttctacag	420

tcgggacggc	acactattcg	cacgccaaga	acgaacaggc	ctggtgtgtg	tctgagcag	480
ggcgaggatg	aatattacct	tctggaggaa	aatgttggga	taattcctct	atctggaccg	540
gcgaggatca	cgacacgcgg	attccagtgg	gatgtggagg	actggttgac	tgagattgga	600
ggccaactta	gtaccagtaa	tcatattcga	gccgatgagg	tgatggtgga	gacgggggtc	660
cctgttctat	ttacgttgga	gctggcgga	aggtttaaga	ggatgcggtg	a	711

<210> 9321

<211> 456

<212> DNA

<213> A.fumigatus

<400> 9321

aaaggcctcc	tccccatcc	gttttctgcc	ccattatcct	gttgggcaca	accatcaata	60
accctgaggt	tgcggtttaa	gggtacccac	cctcttcctg	ttggtggatg	gggccttttg	120
ggcccccggt	ctccctgtgg	ctgcttacgg	gctaccctac	taccttggtt	ctttgcttac	180
tttttcaaca	tcagctgcaa	ggcaagcggc	agttctgtgc	ttaagacgcg	caaggcccc	240
aagacgcgtc	ctgaattcga	tccgctcagt	ttcaatatcg	ccaaagccgt	catcgcgat	300
gtggtttatg	cgcagcattt	caacttcctg	ggtctataca	gcaacttctc	catcgagagg	360
gtcaatgtat	cagtcccgtt	ccactggcca	ggcatgctta	ccactgctgc	aattgggacc	420
gttggcactc	tctacgaggc	tattctgcga	aagtag			456

<210> 9322

<211> 210

<212> DNA

<213> A.fumigatus

<400> 9322

tgtcttcttt	gtttgcacgc	agcagccact	cgaaagccat	tgggtatctc	tcctattgtt	60
ggcactgcc	ttgcagcttt	tggcaatcag	ctggcaacaa	cgacgtttat	cacttatgct	120
gttgacaact	atcctcagga	ctccggcagt	gttgggggat	ttatcacatt	cgtccggcag	180
atgtggggct	tcattgttcc	attctggtaa				210

<210> 9323

<211> 210

<212> DNA

<213> A.fumigatus

<400> 9323

ttctctgcgt	gtctgctgtc	tgctgttgct	atcatgtcta	acgggacagc	ccaatcgggc	60
gaggaggcct	tgtataagcc	gtacgaccag	ttcatcctgt	ttggagactc	gattacgcaa	120
atgtcttcag	atcaaagtat	ggggttcggt	ttccagcctg	ctcttcagga	tggttaagatt	180
cccctgtcta	tagggcatgc	gacgacttga				210

<210> 9324

<211> 432

<212> DNA

<213> A.fumigatus

<400> 9324

acaatatatt	tccgagcaaa	tgatgcggct	gtccctggac	actaccagca	cgtcccagtg	60
gagacctaca	aagaaaatct	gaagaaaatc	atccagcacc	cggcgacagt	tgctcagaac	120
cccaggatac	tgatcctgac	cccgccaccg	gtgaacgaat	accaactgga	agaattcgat	180
atcgcaaaga	acacacctca	tcccagcagg	acagtcaagc	agaccaagct	gtatgcggag	240
gcccgcgcg	aggctgcgcg	ctcgctaggg	gttgacgtgg	tagatctctg	gactacgttc	300
atgactgcgg	ctgggttgga	agagggagaa	cctctgatcg	ggctccagaga	cgctcctaac	360
aatgagaagc	tgacagagttt	cttcacggat	ggttcgatcc	cactgttcgt	ccatatgggc	420

gcttcgtgct ga

432

<210> 9325

<211> 192

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (95), (126), (162), (167)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9325

gagagataacc	caatggcctt	cgagtggctg	ctgcgtgcaa	acaaggaaga	catcacccca	60
acgattgtga	gaattgaccc	ggggatatgt	accanaaaac	aatctcgggt	tcgggttctc	120
tctgantaca	acaaaccctg	ggttcacca	aaatttcgaa	anaaaanctc	caacttgctc	180
tccaaaaatc	aa					192

<210> 9326

<211> 885

<212> DNA

<213> A.fumigatus

<400> 9326

tgcgggggat	cggacgatcc	tcgcctctac	acgctgattg	ccatccgcag	acgcggtata	60
cctcctggcg	ctattctctc	cttcgtcaac	aacctcgggt	tcaccaaggc	tactgccatc	120
gtccagacgg	ccaagcttga	ccagattgtc	cgtcagtacc	tgagactac	cgtgccacgt	180
ctgatggttg	ttctcgagcc	cctcaagggt	gtcatctcaa	acctgcccga	cggctatgag	240
gagatggtgg	aggtccccc	ctccaaggac	cctgctttcg	gtccccatct	cgtgcctttc	300
accaagactg	tctacattga	gcgcagtac	ttccgcgaag	aggactcgcc	cgactacttc	360
cgccttgctc	ccggaaagac	cgttgggtct	ctgaagggtc	ctttcccgat	caccgccacc	420
gcgtttgaca	aggaccctca	gaccggcgcg	gttacctgcg	tctacgcaca	ttacgagaag	480
cccgaagaag	gctctgacgg	ccctgccaa	aaggcgaaaa	cgtatatcca	ctgggttgcc	540
gagtcggccg	cccacaagag	ccccgtcaag	gccgaagtcc	gcgcgttcaa	ctctctcttc	600
aagtcacaac	accccgagcg	ccatcctgac	ggatttctgg	ccgatataca	ccccgattcc	660
gaggagattt	atgaggggcg	ctatatcgac	attggattcc	acgatgtctc	caagtgggct	720
ccctggccca	agacgagtgg	tgagaccggg	ggcgaagtga	acccctattc	cattcgattc	780
cagggtatgc	ggaccgcata	cttctgtgtg	gatacggatt	cgacggcgga	caatgtggtc	840
ttgaatcgca	tcgtcacttt	gaaggatact	cagggtaaaa	cctga		885

<210> 9327

<211> 453

<212> DNA

<213> A.fumigatus

<400> 9327

cttatctcac	cattacaaaa	tcaatcaaca	acactttccc	caaaccaagt	ccaagccaaa	60
gccaaaaaga	agaaaaatga	gccatcgcaa	accccgaa	ctctctctta	ccctagacgc	120
cttcggcaca	gtcttccacc	cccgcggccc	cgtcccagac	caatacgccg	aggccgcgcg	180
cgccttcggc	ctcccccgct	caaccagcat	cacccccgac	cgctcaaaa	cagccttcca	240
atcaaccttc	aagaaacagt	cgcggacaca	cccaaactac	ggccgggagg	aggctcctgcg	300
cggccgggat	ggcggccccc	ggcagtggtg	ggaggagggt	atccggggga	gttttgogca	360
ggtgttgaca	tctgggggaa	agggcgggcg	cggcgcgggc	gtcgcggtgc	cagatgcgct	420
ggtgtcgcat	ctgctggatc	gctttgcggg	tag			453

<210> 9328

<211> 873
 <212> DNA
 <213> A.fumigatus

<400> 9328
 attcgcatTT cgccgtcggc gaaagaggtg agccagcata cttggtgtct cacggaatct 60
 gtgtggccca gtgttattta tatctttgtg aatggcgtag aactctatgt tcgccgcaaa 120
 tttcacaacg gcaaagatat tctcttgac atcagtggtc acctaaaaga aggcttgaat 180
 actatctccc tgcatttctt ccgcagtgcc gcagagagca gagacgtggt atatgcatta 240
 gcggtggagg tcatggatat cctcagtttt gctcaagtga agaagctcgc tcagacccta 300
 cccgcacccc agtctcgcga gcggatatgt cgacgtcttt cctcgagcgc tgcggacgat 360
 gaattaagta ttatcagtga ctacctcgt gtcaatctag tggaccggt tatggctcga 420
 atattcaaca ttctgtctcg cggaattact tgcgagcacg tagaatgctt tgacctcgag 480
 acatacatct tgaccagggc ctccaaggcg ggtaaagctg tcttgaagga gaattggaga 540
 tgcccaatct gcggcgca ga cgcctgctt caacatttga tcatcgatgg ctttcttagt 600
 gaagtccgtg ccgaacttgt acgcacgggt tgtcttgagg gagcaagagc aataaggatc 660
 aaagcggacg gatcttggga gctcaagagt gatggggacg ttacttcac tgaaagggag 720
 cttgcacggg tacaggaaa agcgtcattg aaacgaaaac gtgagggcgt cgtttcacct 780
 ctgcgaactc agaggccga gacagaaggt gctggtcgag aatcgctagc ttctcgcgaa 840
 tctcagcat ctttggatcat cgaactcgat tag 873

<210> 9329
 <211> 3219
 <212> DNA
 <213> A.fumigatus

<400> 9329
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 ctctcccaac taccatcccg tgcggtcatt tctgtctaca agtgtctcta tagaatcatt 180
 atgcagaccg atctcggcct ggaacggcct atctgggaag tttgtcacgg tggcatgatc 240
 ggtctcaggt atctagtagc ggttcgaaaag gatctgctca ttaaggattc caagcttatg 300
 gatggcggtc tcgaggcggg catgaagggc ttaggggatt atgatgacga tgtccgtgcg 360
 gtaagcgcgg caacgcttgt tccatttgcc gaagaatttg taaaactcg tcaaagtacc 420
 ttgggcaccc tgatgacct cggttgggat tgcctttcga atctgcagga tgatctcagt 480
 gccagtacg gttcagtcac ggaccttttg gcgaaaactgt gtacattcca agaggttctc 540
 gacgcgatga aggccaatgc agcggcfaat ccggaatcgt cttttggtaa acttgttctc 600
 cgcctctacc cggttctacg acacaccatt accagtgtcc gctcggcggt tctgcgagcc 660
 cttatgacat tcttgcaact cgagggcgaa ggcaccgacg agtgggtcga cggaaagaca 720
 gtgcgtttga tctttcagaa tctgctagtg gagcgaaacg agggcgtttt gaagcagtct 780
 cttcaggtct ggtcagagct actaaattca ctggagaccg gcggttcctt caagtcggaa 840
 agcgacctcc taagtcatat caaacccctt atcactctaa gtatgggtcc tttcggtgtt 900
 ccgcgatacc cggttcctat ggacgcttct ttgtttatca aacctcggg tctgcctttc 960
 ccgtcaagcg ctgcggctcc tgccaggtca tctccggcta gtaaacgcgc tgaaggaact 1020
 aaaggtcgtc ggcgcaagtc cgagaagaaa gaggcgcgcg caccttctgc ccacaatgtt 1080
 gacgggcaca tgctccaagg cgacattgac ctagtgggag cggatactat gctgaggtcg 1140
 aagatatatg ccgcaagagc tctcggccag ttgctatttg tctgggacca gaaccagctc 1200
 ccgagtctat ggcagtctat cctggaagga ctcaaccatt cggcctcgac ttcgcaactc 1260
 gcttcggcca tgatagtggg ggaatatgcc aagctctctg gacctagtgg gaggtatgcc 1320
 tctactttgt gtgagaacct acgtccaate atcgaaggcg agcgtcctcc gtggtatagc 1380
 gacattgctt gctatctcca tgtcgtcga gcacagtgtc actccctttt gaacaccttc 1440
 cgcgaccacg cacatgttcc tgcgttctcg ctgtctgacg ccgagaaggt cattggccca 1500
 gatcctgagg ctggacctaa tgcgttctcg ctgtctgacg ccgagaaggt cattggccca 1560
 gactttgagc ggctcaagaa gggctcttact ccggctcagc gcattaccgc tctccaggtc 1620
 ctcaatgata ctgcgcgaac ggctgagagc gctgtcaacg aggccaggaa tgtcagagag 1680
 caaagagact tgcgtgttcg ggctgctgcc gcaggcgctc tggttgcttt aagcgacatt 1740

ccgaagaaac	ccagccatat	tatcaaggga	atgatggata	gcataaagaa	agaggagAAC	1800
gcggaactgc	aacagcgctc	tgccactgct	attaccagcc	ttgtcgagta	ctacaccact	1860
tcggcgaaagc	ggggacccgt	cgacaaagt	atcggtaatc	ttgtcaagta	ctgctgcgtg	1920
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aaggaggctc	gaatcatg	tcgtggcgcc	aaagaagctc	tcgagcagtt	ggccgtcaag	2100
tttggttctg	agcttatggc	caaggtgcct	aacctcgctt	ctttgataga	acgaccactg	2160
aaagaagctc	ttgccgccga	cgaacttccg	gcgaacattc	gtgatcccg	aaacgaactt	2220
ggccaggaag	ttgtggatgg	attgtccacg	ttgcgtgcca	tctgccccaa	atttcattcg	2280
ggactttacc	cctgggtgg	cgatctcttg	ccgcttgtag	taaaggcgct	tcaatgcaag	2340
ctttctgtca	ttcgatacgc	agccgcgaag	tgtttcgcca	ctatctgcag	cgctcattacc	2400
gtcgaaggca	tgaccatgct	ggttgagaag	gtcctaccta	tgatcaacga	tgtctggat	2460
gtccaccacc	gtcaaggcgc	cgtcgagtg	atataccacc	tgattcacgt	gatggaggac	2520
ggcattctgc	cttatgtcat	ctttctcgct	gttctctgtg	ttggccggat	gagtgattcg	2580
gacaacgagg	tcaggtctgt	ggccacaacg	tctttcgcaa	ccttggtgaa	actggtccc	2640
ttggaggctg	gaattcctga	cccacctggt	ctgtcagaag	aacttctcaa	gggacgtgac	2700
cgggaaaggc	aattcatggc	gcagatgttg	gatgtccgaa	aagtcgaaga	atttaagatt	2760
cccgtggcta	tcaaagcgga	gcttcgacct	tatcagcaag	aaggcgtaa	ctggcttgcc	2820
tttctcaacc	gctacaacct	tcatggcatt	ctctgcgacg	acatgggtct	gggtaaaact	2880
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ggaccacctg	cagagcggtc	aagactgcag	agcgctcttc	ccaacgctga	catcgttgtg	3120
acatcctatg	atatctgccg	caacgacaac	gaggctctca	atccgatcaa	ctggaactac	3180
tgtgtcctag	atgagggtca	ccttatcaag	aaccccaag			3219

<210> 9330

<211> 756

<212> DNA

<213> A.fumigatus

<400> 9330

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ttccggcacc	tacctctcct	cgcgattcaa	gaatatccgc	acaatcatca	tgatcatcta	180
cctcttcccc	acctgatag	gcgtctgtct	actttggcag	ctgccccgaa	cgaatcgcta	240
cggagtctct	ttcggtact	acatcgtag	tcaacaaccc	cttttttttg	gtgcatacta	300
accaagcaga	tcgcatacata	cgtcacatcc	ctcgctctct	gtctccaaat	gccgtcgagc	360
aacaccggcg	gctacaccaa	gcgagtcacc	gcaacggctc	tcgtgttcat	cgcatactgc	420
ttggggaaca	tcgtcgggcc	tcatgccttc	ttggctagag	aggcaccggt	ctacgagacc	480
ggatgcaagc	tcatttttgg	gtgtgcgttg	ggtcagatgg	cgtgcacggg	ggccttgccg	540
gtgttgttga	gcagacggaa	taagcgccga	gatgctgagg	gcgtggctcc	ggcggaggga	600
gacgcagatg	agcagattct	ggcgatctg	acggatttcc	aagtatgtgt	gttgtgttgt	660
gctgtgttgc	atgcgagtgg	cggcgcagtt	gctgacgggt	gtagaatcct	cgctttcgat	720
atgttttcta	ggcttggaca	ggatggacta	tggtag			756

<210> 9331

<211> 420

<212> DNA

<213> A.fumigatus

<400> 9331

agtggtaaca	aatccgagag	gctttccttg	atccccaaagt	ctggctcgct	ttcctttttg	60
tcttgctcaa	cgagacgggt	aacggagggt	tggctaattg	acgtctccct	gctgcatagc	120
gagatctcta	ctcacgccct	acagttcggc	aaactcatca	tcaaaggcct	ggtctccagt	180
cctctccttg	caacagccct	cggcatccca	caaggagcct	tccaggctct	cttcattctt	240

tccggcacct	acctctctct	gcgattcaag	aatatccgca	caatcatcat	gatcatctac	300
ctcttcccca	ccctgatagg	cgtctgtcta	ctttggcagc	tgccccgaac	gaatcgctac	360
ggagtcctct	tcggctacta	catcgtatgt	caacaacccc	tttttttggg	tgcatactaa	420

<210> 9332
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 9332	
cgacggcaag	accgacgcca
ggtcacat	cttcgctgga
tcccagcttc	aggaaatgct
gatttgatcc	ttctgcctct
gtgaaagttt	catgcacatc
	cgaacagact
	acttactga
	60
	120
	180
	240
	279

<210> 9333
 <211> 345
 <212> DNA
 <213> A.fumigatus

<400> 9333	
tattcctgga	tctttcatga
gctattggcc	agctaaatgg
gtgacggtgc	tctggggagg
aagcgattta	cgatcgaaga
gtgtgccact	tccctcagtg
caaccgctca	ataaagtggg
	accaaaccg
	agaggctttc
	cttga
	60
	120
	180
	240
	300
	345

<210> 9334
 <211> 186
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (63)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9334	
ggcgattgtt	actccgttcc
ccngaagcgt	ttcttctct
accagtgagc	tgtacagctc
cgatga	
	tcccgaactt
	acaaggggac
	tttctattt
	gatcgcatac
	186

<210> 9335
 <211> 642
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (5), (32)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9335

caatntcaac	aatcgacccc	gggattgctt	cntgcttctg	gccttcttca	tggtectcac	60
aaccttcac	ctcaacagca	tcattggtct	ggcccaggcc	atcttgagga	tcataccgt	120
atgcagatgt	cggcatcaac	atctcagatc	ttcccttcac	cgagattgca	gcacgggtac	180
ccatctccta	tggctccgca	tgcccagctt	gcgtttggac	aacctgtccc	acagttctat	240
gtgaaccaag	gagggtccgca	accagctcat	ctcaggcctt	ttccgggagc	acctcagttt	300
gtcaaccctc	agacaggcat	gggcgcccc	atgatggctc	agcagccctc	aagcggggcca	360
tatatgggcg	gtcctcaggg	catgacgccc	tatgctcctc	aaatgcagat	gtattctcca	420
aaccacaggtc	atgcataccc	tcagcacgcc	cctcctccgc	aacctcacag	tggctatcca	480
agccctagcc	gcgggtgcccc	catgatgatg	catcagaatt	ctcagccggg	gcagctccct	540
cagccggtca	tgttcatgtc	accagggcaa	catggtcagc	ccgtgtatgc	tgctcaacaa	600
ccaggtcata	gtatgttttt	tacagttgtc	ggcccagct	ag		642

<210> 9336

<211> 1335

<212> DNA

<213> A.fumigatus

<400> 9336

actgactttg	gcgttgcata	ttctaggctt	tggggtaatc	catcccat	ggactacctg	60
accgcgtctc	tcagagagcg	atacggagaa	gaccgtctct	acatactcgc	cgcgaagggga	120
aattctggga	atttcaccta	tgatgggatc	gagctcggag	gggagcgact	ggcgcagtag	180
attgaagaca	ctctgggtgc	cttggatgcg	gaggggaccc	atattaaaaa	actgagcgtt	240
atcgatatt	ctctaggagg	tctagtcgcc	agatatgccc	tgggtttgct	acacgcgcga	300
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gtgagaatgc	cacttaaggg	aattcgagac	catatcttca	atggcttggg	cgctcggaca	420
ttgtccatgt	ccggcaggca	aatgttcattg	gttgatgagt	tccgagatac	gggacggcca	480
ctgcttagca	tctctgctga	tccggatagc	atcttcatga	aagccctggc	aaagtccaga	540
aaccgttcag	tatacgcgaa	tatcgtaaac	gaccgttcga	cggctttctt	tacgaccgct	600
ctttcgacga	cgaaccggtt	ccaggaccta	gaaaacgtga	acgtcaacta	tgtgaagggc	660
tatgagccag	tcgttattga	tcttgatgac	tattttctgc	cgccgaaaaa	acaagagccg	720
ccttcattct	tctctagact	atggcaaaat	atcaaaggca	cgtaaactca	ggtggcaatt	780
tcgctgctcg	tcgtgggtgt	tgtcccatc	ggcgttgtag	tatacctcgt	aatgctgct	840
gtacagacgt	accgcagtc	ccggcgcatt	cgctccatg	aggacggaaa	ggcgggagta	900
cttatctcca	actaccgtgt	gcctgttatt	gtgaaggaca	tgcaaagtgc	agttgaggat	960
gcttttgaga	gcgcaaccgc	gatgcaagat	ccggcctacc	tatcaaacgc	tcgtaccgct	1020
gccggaaaga	agaatcact	cccgcacaca	cctgcctgca	gcaagactgg	cgccctcgaa	1080
aatcaaacat	gcacgctaga	cgaacttct	tccgcattgc	ctgacaaaaa	acgcgatgcc	1140
acactggctc	taacgccagc	tcaattctcc	atcatcgaat	cactcaattc	cgtgggattc	1200
cgaagtagcc	cggtaggat	ccataatcac	tcgcacagcc	atgcagccat	cattgtgcga	1260
atggcaaaaa	agggattcga	agagggcaaa	gtcgtgggtga	agcattggct	cgacaacgaa	1320
tttgacattg	agtga					1335

<210> 9337

<211> 183

<212> DNA

<213> A.fumigatus

<400> 9337

aagtcacttg	ccgccaggtc	gagggtttct	tatcttgggc	tctgggtcca	gttcgtggaa	60
gacttttagcc	tgaagtccaa	gtttaccgac	gtctactggg	cggccagcca	tactaagctt	120
catatgcctc	actcccttgg	actcatgaac	gagctgctgg	aatgcagcta	ctgcagctct	180
tag						183

<210> 9338

<211> 873

<212> DNA

<213> *A. fumigatus*

<400> 9338

agacatcaag	acacccaagt	caactgggcg	tttttaacgc	cttccacggc	tagaagcctc	60
aaccccgag	acgttccctt	gctaactaca	ctagtctctg	gaggtgaagc	tgtgacccac	120
gagagcggtg	aggtgtgggc	aaaaggccgc	tccctcatca	acggctatgg	ccctgocgag	180
gcaacgatct	gcgagtgagg	caatatcccc	gaagcgggat	ggaaatccgg	cgttgtcggt	240
cgaatcattg	gtgggtttgg	ctgggttact	gtgccatcag	acccgaacag	actggcagcg	300
gttggcgccg	tgggtgaact	tctcctcgaa	ggcccttttc	tggcccagag	atacctgaac	360
ctgccagagg	tcacgaaggc	cgctttcatt	gatcctccta	gctggagaac	acggattcct	420
gctccgtcgc	cctattcttt	cctctaccga	acaggcgacc	tgggtccgata	tcagccggac	480
ggatccattc	agtatgtcgg	tcgtaaagac	agccgtgtca	aacttcgagg	tcagcttgct	540
gatctgggtg	cagtcgaggc	cagtgtcatg	agagtgtatc	cggctgcggg	tcaggtagtc	600
gcagacgtgt	tgggtctcaga	gaatactgcc	agactgactg	cgatggtgaa	gctcggcccc	660
tcagtgactg	agaaccacga	tggccctatg	tttgcgcccc	cagacttggt	tttcaacgag	720
gctgctgcct	ctatccaggc	tcgtcttcgg	gccattgtac	ctgcttata	ggtgccgtcc	780
atgttcattt	ctttacggga	catccttggc	accctcacag	gcaagaacgg	atcggcgtcg	840
gcttcccaga	caaaatactt	tattatcaca	tag			873

<210> 9339

<211> 1626

<212> DNA

<213> *A. fumigatus*

<220>

<221> unsure

<222> (57)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9339

gcttctcgaa	ccaagaaacc	catgtttgat	gacaatgaac	gggggtttca	agagatnggg	60
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ggtggtgaat	ctctggcgac	gatgaaaatg	gtagcattgg	caaggagggt	tgggttcattg	180
tttgctgtga	cagacgttat	gaataaacac	agcctgtcaa	cccttgcgcg	gtcacggcac	240
ttgatcacag	agcaggccat	tctgacctcc	tcacctctc	tctcactgcc	aaccattgaa	300
ggcgagtccc	tccaggagat	tcttcggcca	ttactgaacg	ccggccacat	ccaaggaggc	360
aatgacattg	ctgctattca	tctgttcacc	gctgcacaag	cattcctcgt	acagaggtat	420
ccgtgggtccc	atttccagtt	tgacttgtct	ggcgctgtct	cgcccagcaa	gctccaaacc	480
gcctgcaccg	cgctgatggc	ccgatttact	atccttcgca	cggtatttgt	cgaacatgcg	540
ggctgtctct	tgcagcttgt	cttgccggag	gtgcccaatc	gtgtccatga	gattacgacc	600
aatgagcctc	ttgatgactt	ctgcaattca	gtttgtcagc	agcagcagga	tgtctgtgtt	660
gttaactcta	caaccctgcc	aactctgttt	actctcgtgt	ccaaccgcca	actaaacaga	720
catcgacttc	tgtccgcctc	cgctcatgca	cagtacgata	tcaccacaat	ccctctaatt	780
gtccaatcct	tggccgacga	atacaacaga	accctccgtt	cggttttctc	cgccgacttc	840
ggctactatc	tcagtcatca	taagcggcag	aataacgacg	acaggtctca	taacttctgg	900
aagcgatacc	tgtcaggctc	ctctatgatg	tctacgaatc	agactgcaga	tccgacgacg	960
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ccggacataa	caattgccac	cgccgtgaaa	gccgccgtct	gcctggttct	agccgcaagg	1080
actggctgca	aagatatcgt	catcgggtcaa	acagtggacg	cccgtgttag	tccggtgac	1140
agcactcttg	accaaattgt	tggccccctg	acgaactata	tccgtaccg	gctcagcgtg	1200
tgtgtttcta	aaactcgcgt	ggaataacct	cgcagcgcgc	aagcccagca	cacaacatgc	1260
ctccgatact	cttccctgga	cttcgaccag	atcgtggcca	agtgcaccag	ctggccaagc	1320
agtactcaat	ttggatatat	cgtccagcac	caggacactg	gcgcagagtt	ggctctcacg	1380
ctgggagggtg	acactacttc	cttgccgatg	acttcttacg	gccgtgtatt	tcctcagggt	1440
gaggtctgga	tcggttcgac	accctgttct	actggtctga	gaattgatgt	cattgctctg	1500
agcgcagtg	taagccagaa	ggacgctcag	actatggctg	aggaggtcgg	cgcgccgttg	1560

gagaaattgc ttgggtgctg ttatcgccgt ctttcgcata tgataggaaa taccttcgct 1620
acctaa 1626

<210> 9340

<211> 1572

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1562)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9340

aaagatctgg	gccgacgaga	catggacctg	caatccgttc	aagatctcaa	aggggtcttg	60
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aaagacggta	aaggccaatc	aatctgggat	acttttgccg	acacacctgg	gaaggtgaag	180
gacggaagca	ctggggacga	cgcggtagcg	tcgtatgacc	tgtacaagga	agatgtggcg	240
ctcatgaagt	cgtatggggg	caatgcatac	cgcttctccc	tctcttggtc	tcgaatcatt	300
cctcttgag	ggtgcgacga	cctcgtaaac	gaaaagggga	ttgaatacta	ttcaaactct	360
ggtgacgagc	ttctccgtaa	tggcatcaca	ccgtttgtca	ctctcttcca	ctgggacaca	420
ccgcaatcgc	tggaggatcg	ctacggcggc	atgctgaacc	aggaaaagtt	tgtgccggac	480
tttgtcaatt	acgctcgtgt	ttgcttcgag	agactcggcg	atcgctcaa	gcattggatc	540
acgttcaacg	aacctgggtg	ctatacgctg	gctggatatg	cagcgggctg	ccacgcaccg	600
ggccgggtctt	cattccggga	ccgcaacgag	gagggcgact	cgtccaccga	gccattcatc	660
ggtgcgcaca	cggagctggt	cgcccacggg	cacgtgtccc	gtctctacaa	gcaagagttc	720
cagccccatc	agcaagggac	catcggcatc	acgcttcacg	ggaactggtc	cgagccatgg	780
gatgaagccg	acccgctgga	tcaagcggcc	gctgagcgcg	cgcgcgagtt	cgagattgcc	840
tggttcgcgg	acccgctcta	caagacgggt	gactatccgg	cctcgatgag	agcccagctg	900
ggtgaccgtc	tgcccaagtt	cacgcccag	gagtcaaagc	tgggtgcttg	gagctccgag	960
ttctatggca	tgaactcgta	cacgaccttc	ttcgtcaagc	acaagaccac	gccggcggac	1020
attaacgacc	acaaggggaa	tgtagagatt	catgatttca	acaaacatgg	cattcctcga	1080
ggcgaagaga	gcgacaccga	gtggctgcga	gctgccccct	ggggcttccg	aaagcttctg	1140
aattggatct	ggtctcggtg	tcagatgcc	atctatgtga	cggagaatgg	cacgacagcc	1200
aagggcgaga	cagccccttc	accagtggt	ctcaacgacc	agtttcgcat	caggttcttt	1260
gagggatatg	ttgggtgggc	actggctcgt	gcggtcaagg	aggacgggat	tgatatccgc	1320
tcctattttg	cctggacatt	caccgataac	tggggtaagt	ttttttttcg	tctctctctc	1380
aagtgcgaat	ctgaagatgg	aacagaatgg	gccgcgggct	ataccgatcg	gttcgggtgt	1440
acctttatcg	actttgatcc	accggagaag	acccggtacc	ctaagcaatc	tgcttattac	1500
cttgacaacc	tgttcaagca	tttgatcaag	gggtcttcac	caggggtgga	aggtcgcgca	1560
tnattgattt	ca					1572

<210> 9341

<211> 432

<212> DNA

<213> A.fumigatus

<400> 9341

accaggaaaa	gtttgtgccc	gactttgtca	attacgctcg	tgtttgcttc	gagagactcg	60
gcgatcgctg	caagcatttg	atcacgttca	acgaacctgg	tgtctatacg	ctggctggat	120
atgcagcggg	cgtccacgca	ccgggcccgt	cttcattccg	ggaccgcaac	gaggagggcg	180
actcgtccac	cgagccattc	atcgttgcgc	acacggagct	ggtcgccccc	gggcacgtgt	240
cccgctctcta	caagcaagag	ttccagcccc	atcagcaagg	gaccatcggc	atcacgcttc	300
acggggaactg	gtccgagcca	tgggatgaag	ccgacccgct	ggatcaagcg	gccgctgagc	360
gcgcgcgcga	gttcgagatt	gcctgggttcg	cggacccgct	ctacaagacg	ggtgactatc	420
cggcctcgat	ga					432

<210> 9342
 <211> 1026
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (136), (148), (259), (441)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9342
 tttgggatcc gtggccgga ttgggaacag aggcaaagga gacccagaaa ggggcaactt 60
 gccggggaag caatgggcaa gacggacaat aagggtgaat ggcagccgga ggaaggaggg 120
 agtttttaggg ccattcntagt cacgttcntc aagcaatata tcttcataga ctgggtcaag 180
 gtccatcatga tgcacgaccc atacttctgg ggtctggtcg agtcggcccc ggccccgcca 240
 tttcccttca cctacttcnt actcccgact attcccgaca tcgtcgtgcg tctctaccga 300
 gaaatcctga gcggggtcgg cgtttacgcc gctctaagct tcgtctgccc ccttaacccc 360
 atcattttcc taggcctctc gctcgccctc cccagtgcct ctgcgacgct cacgcgcgtc 420
 ccaactggatg ctccctggct ntactccgac cccttcggcc cgtttcttgg cccctatctt 480
 gaccatggcc ttgtaggctg ctggagcaaa tgggtggcatc agcttttccg ttttggcttc 540
 acctccaccg gcaactttct cctttcccta ctcccaaac acatggcagc acgccccggc 600
 atccgacgca cgtaatgac cgtcactgcc ttcttctca gcggcctcat ccacgccagc 660
 ggaagctaca cccagttcgc cgagacgaag cccacacccc atttcgtctt cttctgcctg 720
 caacctgtcg gggatcatgat ccagaaccag ctacgcgggt ctattaacgc caggtaccgc 780
 ttctcgcggc ccacagacg cgccgctaac gcgatctttg ctctctgggtg gctcatgctc 840
 tccggcgctt cgatcgccga tgattttgcc cgcgcggggc tctggttgac ggagccgttg 900
 cctattagtc cgctgcgtgg gttggggctc ggggccaagg gcgaggggtg gtggtgttg 960
 ggggagccgt ggtttcgatc ctgggatggg ggggaagtact gggagagggg gttaagagtc 1020
 ctataa 1026

<210> 9343
 <211> 675
 <212> DNA
 <213> A.fumigatus

<400> 9343
 agcatccact atcaaccatc catcgtcaca tctctctcgt cactctcgtc gtctctcgtc 60
 gtatccggct caatgttcag cgtaggaatt tcatcgtcgc tatcgtcgtc acctgcctcc 120
 ggggtacta ctgcccctcc tgacatcgga gcatccgcac cagatgtagc cgcctgcgcg 180
 atgctcatcg gcattggctc agaggttgcc gtgacagagg ccgcccggat agagatagcc 240
 gcggtggccg tgaacgaggt aggagaagcc gtgccgaggg cgggctggga taaaacagcc 300
 tcggtatcaa gccggacttt cttcgtttgc acatcatcga gtttcttgct tgtcagactg 360
 gctgctggcg caattggcat cccaggattg atttctcgtg gcaggctccg cttgtgcatg 420
 gatggagcgg gttcctccat cgcttcagtg atgccccgcc tgctctggat aatcggagtg 480
 gcggttggtc tgaggaatcc tgtaagttca ggggcagcgt gctgcacagc ggcagtggct 540
 cgctcttctt gttcttcctc ttctctcgtc tcgttgctgt cgaccatgct gccatacccg 600
 ctgataccgg gtgcgtgcat cagaaccggc attctgggtc tgatcagtc ctcgacctcc 660
 atctcggtag aatag 675

<210> 9344
 <211> 711
 <212> DNA
 <213> A.fumigatus

<400> 9344

```

aagggccgcg gcacgggctc cagcatcatg cccttcctgg cgcgacgcta ttctaccgag 60
atggagggtcg agggactgat cagaccaga atgccggttc tgatgcacgc acccggtatc 120
agcgggtatg gcagcatggt cgacgacaac gacgacgagg aagatgaaga acaagaagag 180
cggaccactg ccgctgtgca gcacgctgcc cctgaactta caggattcct cagaccaacc 240
gccactccga ttatccagag caggcggggc atcactgaag cgatggagga acccgctcca 300
tccatgcaca agcggagcct gcccaggaa atcaatcctg ggatgccaat tgcgccagca 360
gccagtctga cagacaagaa actcgatgat gtgcaaacga agaaagtccg gcttgatacc 420
gaggctgttt tatcccagcc cgccctcggc acggcttctc ctacctcgtt caccggccacc 480
gcggctatct ctatcccggc ggctctgtc acggcaacct ctgagccaat gccgatgagc 540
atcgcgcagg cggctacatc tgggtgcggat gctccgatgt cagggacggc agtagtagcc 600
gcggaggcag gtgacgacga tagcgacgat gaaattccta cgctgaacat tgagccggat 660
acagacgagg acgacgagga tgacgaggag gatgtgacga tggatggttg a 711

```

<210> 9345

<211> 213

<212> DNA

<213> A.fumigatus

<400> 9345

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ttgaacaaaa tgggtgcacat cagtcgagtg caaaagcgcc ccaaagggtca ccgtgccaga 60
aaagccgaag tgaccgacta tgtttatggc acccacttcg cagcgcaaga cctgccgcac 120
catgaaatgg cagagtgcga aatgccagct gccgttgctg accggttgat caaggatgaa 180
ttaagtcttg acgggaatcc attactgaag tag 213

```

<210> 9346

<211> 612

<212> DNA

<213> A.fumigatus

<400> 9346

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acacagccat cccacacctt tcagcccacc aactcaatcg tcacaccagt catgtcttct 60
cctcgtcaaa atggcgtaca gacgtcttgc gagccttgc gcagggtcaaa attacgctgt 120
gactactcta ctccgacatg ccagcgggtg cttcgccgtg gaaagtcaga cgtctgtgtt 180
tatcatccct cgcctatgac tcggagctgg tattctgatc cagtctctc gccacatacg 240
cctgcaagtt cagacaacaa ttgggacaag aaaattcaat cgggtcccacc acctgggtcc 300
tcgagactga cgagctactc tggcgtgtcc agcgagatcg acgagcatct gaacgagatc 360
ttcgcgcggc tggcaacctt ggagcacggg gggaccggct cgagtccaaa gcagggttcag 420
ctgggtgcac ggctactgct gaccctgttt gggaatctgt cgttatacga gactatcacg 480
gaaaatcggt cagacaattc accagaaggt tgtgttgcg gccaacagct cgttcgtatg 540
attttcaggg ccttgaaaga taaccacaaa ctgcctggca aatggccagg atgcagaaga 600
tcggtactat ga 612

```

<210> 9347

<211> 237

<212> DNA

<213> A.fumigatus

<400> 9347

```

tatacgaggg cgcggctgga attaattgact gcagagtcac ggcagggtac accgcaccgt 60
agcaagacaa ctatgttttt tgggaatgact aggaaaattg agcaacgcag tgtgaactat 120
gtaaaatcaa tatattatag agtgtcttac tacgggtata taaaccagc aaaagaccat 180
cgtcggcaca acagacaagg acaacaacgt catctcagcc atttccgata tttgtag 237

```

<210> 9348

<211> 303

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (136), (181)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9348

gggaagaaca	ggggacgcgg	ggtcaaagga	tatgggtact	gggctcccca	gcccccgttc	60
actgtcgtga	ttaccgggga	acccatcaga	gccccaaagta	atcggagcga	ggactggaac	120
tctacccct	gggtanctgt	ccccaaaggc	catgtaatac	cagtcccctg	cgggggggtcc	180
nacaatgcc	ccctatatc	cattagttcc	gtggtttttg	actataagca	ggctgcctac	240
cctgaatggg	gttcaccacc	cgccgggcaa	tcgggaattg	ccaatgttcc	ttccaggaag	300
taa						303

<210> 9349

<211> 573

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (54)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9349

tacagcgtaa	acaacggcct	gaccctaaag	accgccaccg	tgaccaccga	cctntacgca	60
gcccgaaca	ccctcagca	cgggatccta	ggcccagact	caactgcaac	aatcgaactg	120
acaatcagca	acatgaaacc	cggagaccgg	agcggcatcg	ccatgctccg	cgactcttcc	180
gcgtacgtcg	ccgtcatcaa	caacaacggc	gccttcgcg	taagcatggg	cgccggactg	240
acaatggacg	ccaactggaa	caccctctca	acgggctccg	aggtcgctgg	tgtcaatctc	300
tccggaagcc	cttccaagat	ctgggtgcgc	gcgtacgcga	acatccagcc	cggcagcggc	360
aggacagcgt	cgttctacta	cagcacggat	ggctccagct	tccattccat	tggggctccg	420
tataactga	acaatacctg	gcagttcttc	atgggttata	ggtacggcat	tttcaactat	480
gctactgtct	cgctgggtgg	aagtgtgctg	gttagctctt	ttgagatgga	acgcggtgcg	540
ccgtcttctg	gcgcgaccac	tacagcctcg	tag			573

<210> 9350

<211> 297

<212> DNA

<213> *A.fumigatus*

<400> 9350

caggagacat	cagcggactt	tgaaatcgag	ttgtgcaacg	gggacgggtga	ggactgtgac	60
ttgagtcggg	gtccagaagt	gtatggcttt	gtttcaataa	gactcggctt	cctacgtctc	120
attgtcgaca	tcattgtgct	tctgctgaag	tcctcacaag	acatgttcag	cgcggctgat	180
gaatggctgt	atgccaaag	tggctcttcc	ttccttgaac	gaatgaaacc	agagtcgttc	240
aagctgtcct	gcatttcgca	accagtgaag	agctcagtg	ataaagcatg	ttcttga	297

<210> 9351

<211> 198

<212> DNA

<213> *A.fumigatus*

<400> 9351

attaacgaaa	aggtaagtag	tcgagtggct	cacgaaattg	tgacgcccaa	agccggccga	60
------------	------------	------------	------------	------------	------------	----

tacaggaagg	taaccaggt	aacgtttacg	acatatgtca	tggatgacaa	taccatgaga	120
atgatgat	attataacaa	gtaccaaatt	ttggatgtcc	cctggtatat	cttctcgtgc	180
tatgaatatg	tgtcataa					198

<210> 9352
 <211> 2010
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (86)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9352						60
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aagcttaccg	acagtcgacc	agtcgntggg	gaccatgggt	ggaagccact	tccgttat	180
caggcctatc	cacaggcaat	caagcacgac	tgcttttggg	ccccggctct	gtctgccgat	240
tccattttgc	gcatccaagc	aaccgcaaag	agtcacagca	gctccaatga	tgtagaccct	300
cagggaatc	agccgcaaaa	tgagggaagct	tccgcggaac	ggaagaagaa	ggaagagagg	360
gtaaagaaac	atatgcgaac	gggtctcgac	actatcggca	agactgaatg	gtcccaaaag	420
atttatgtgc	tggtcacatc	tggttatatc	ttgcaatact	cagcaagcgg	gaagcacgat	480
cgactgccgg	agaagatgtt	gcaggtgggc	cccagatcag	tggtttttgc	cagcgacgcg	540
attcctggta	agcgttacgt	gcttcaaatt	tctcaaagtt	cggagaaga	cagcacggcg	600
acagttgata	cccacggcc	cttgttttcc	cgctgggat	tccatcgatc	ctattcccgg	660
cgatggactc	gtacgttcc	tcttgtgttc	tgcaatgccg	aagaaatgag	ctcctggctc	720
ctggctgtca	gagctcagat	cgaagccgc	ggaggtaaaa	aatacatctc	tgaaaatctg	780
tacgacgagg	acttgagca	tcaactgcgg	ccgaaaaccga	gtatccgaca	gatggtgcaa	840
agagaccgca	accgcttctc	caaaatctat	ctacagcctc	atcagtcggc	aggttccgac	900
gaaaaagatc	aagctcccag	cgaccaatcc	cgccgcagct	cctacatata	tgttcaacgc	960
cgatcgatcg	tttatcagtc	tggcgctgag	tcccgttcca	actcgatgtc	gaccacacag	1020
acggatgtca	caccgcctgt	caatggcttc	ggcgcttgt	atccgtcggc	ttctccgccg	1080
agtggctcct	atacccttcc	taatggcttc	acagttcctg	ggacatccga	accgggtgta	1140
ccgccgagct	caaccacggc	aagtatgacc	aaacgcctat	ccacctatgt	ggcgggatcc	1200
ttgagcacgg	aggggcatga	acctgggtcg	tcgccgccaa	cggtgccaga	gccaatcttg	1260
cgaagcactt	cgccccagc	acccaacttc	agtgttccgt	cattcagcaa	gaggtttgct	1320
gctaaaaaccg	ttcaagctaa	gcttgttcaa	gacctcgtc	tggaactgtga	ccaaagtaat	1380
gggatccgctc	atcaggatc	tgacgagcaa	ctcgatgcgt	tgtctgcgtt	tccctcccca	1440
cctcagtcgc	cagcccggaa	catgagttaa	atgagcctta	acgacatata	tgaggatcct	1500
tctaccgtcc	gcaacgcttc	ccctaggcga	caattgcggg	tatccaattc	tgaggattcg	1560
ctggcagatc	ttcagcaaag	aaataatgac	cataggagtc	tacccaacca	acgtctaccg	1620
ataacgtata	ccatgccatc	gcactcccg	cctcagagca	tagccattga	cccgttaagc	1680
aagcttccat	ctgaaccgca	acccacacga	ccaactacaa	atcacggaaa	tcagccgcac	1740
cttgagctcc	aacgggatag	aatgtatccc	acagaccgca	gcggtcgtcc	tcccagcatg	1800
gctcggcgca	agagcatgcc	gggactgtca	ggtggacccc	cagcagcacc	tcccccaat	1860
tgtcccctac	cgaaaatccc	atatccaatc	gatccacata	ggcctattct	actaccaagc	1920
gcttccctca	caagtcgttc	ctcccaattg	ccaccttcga	agtcgttacg	agaccgcaa	1980
agaagctttg	ccagcatcaa	tcctcccacg	tcccatatcg	atcttcttac	tgctccaagt	2040
atagataccc	cggatatctc	cggattataa				

<210> 9353
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 9353

agcaagaaga	agaagaaaaa	gtccaagaag	gccgtcgctg	gcgctgtgac	cgagagacca	60
caaactgcat	ctggcaaggg	ggaagactct	accccttccg	cgaccacaac	agcaacacct	120
gccgcagatg	cttccggcgt	cgtgaagcgt	gatctagcgc	ccaaggtgga	agaagccact	180
gaggagtaa						189

<210> 9354

<211> 240

<212> DNA

<213> A.fumigatus

<400> 9354

tcggtgcccc	ttcatgaatt	gacgacacac	agaaaatcac	acaatgttca	atgcagcatc	60
acggcgcgcc	tgcgccttca	tttcgaggcc	aagaacccta	caatgcaaca	aaagctctctc	120
tacacacaca	gtgtcaccca	gatgtcaacc	tggaaaaagt	accagatcat	cacttcagag	180
acaatcgcaa	ccaccatcct	ccttattaca	aaatatccgt	cctcaattcc	gacatcttag	240

<210> 9355

<211> 729

<212> DNA

<213> A.fumigatus

<400> 9355

tgttcaggta	caggctcgga	cgagaagctt	tacacatata	ccatcatcac	gacttcttca	60
aactcgtact	tgaaattcct	ccacgatcga	atgccagtga	tactcgagcc	caacagcgaa	120
gcaatgaaga	tgtggttggg	tcttgagcgg	acaacttggg	ccagtgaatt	gcagtccatt	180
ttgaaaccgt	atgaaggaga	attggaatgc	tatccagtca	ccaaggaggt	cggcaagggtg	240
ggaaacaact	cgctgactt	catcattccg	atcaacagca	aggataataa	gagtaatatc	300
gccaatttct	tcgccaatgc	gaagaagcag	aaagggtggg	cagactcctt	cgctaggggac	360
gaagacgcca	aggaagcctt	gccctctgcc	gaacaaaagg	tgggtgaaaga	ttcgggatgag	420
ccgcgcgaaga	ctcaagacag	tcaatggagt	gaaagtaatg	ctccgttgcc	agaaccaggc	480
gtcaaaaagag	agtaccctct	ggacggcaat	gacattagca	atgaaacccc	gaagagacag	540
aaaaccgagc	cagcaccatc	actatcacca	agaggaaaaag	cacatgagcc	gaaggctaag	600
tctgaccgga	agacaacgac	atcgactagg	aaaacacgaa	gtgcgacgca	caacgacaag	660
tccttaaaga	agccaaatag	gaagacgact	gatggttctc	agcgaatcac	aaattttttt	720
cagaagtaa						729

<210> 9356

<211> 2526

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2), (4)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9356

antngtccca	gaggggtaga	atggtggaag	accaatgagt	tcggaagcta	ccacccaaag	60
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gctcctactg	gggacatgcg	cggtgtagtc	atgagccacc	ggacaatcat	gcatcaaatg	180
gcttgtctca	gcgccataat	cgcgactgtt	cctggctcag	gtaaaagtgt	ccggccgcat	240
ggagagacct	taatcagcta	tctcgatcca	aggcaaggta	taggggatgat	tcttggcgctc	300
cttcttactg	tgtatggtgg	ccatacgacc	gtctggcttg	aggatcgagc	cgtcgagact	360
ccaggcttgt	atgctcattt	ggtcactaag	tatagggcca	cactcatggc	tgcggtattac	420
cctgggctta	agatcacagc	gtacaactac	cagcaagacc	caatggccac	gcgtcacttc	480
aagaaaaact	cagaacctaa	ctttgaaaat	gtgaagctct	gtcttattga	tacgttgact	540

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gtcgacgctg agtttcatga aattctggct gacagatggc tgcggcccat gagaaacccc 600
agagctcggg aaattgtcgc cccaatgcta tgtttaccgg aacatggcgg aatgggtgatc 660
agtgttcggg actggttggg cggagaagag cgcttgggct gccctctgac tcatgagatg 720
gatccagccg agcgttcaga agccgcagac gccaaaaagg aggaaaggaa gtctgaaaac 780
aacagtgggt tccgtagcag cttctgggc ggcggtgtgc gtgcttctcc tgcctcgaaa 840
gagcagaaca agaatgagct gggcgaagta cttctcgata aagaggcttt gaagagcaat 900
gaagtgtggg ttttggccat gggcgaggac gctcggaagt acgcagcgac catgccaaat 960
gctgtgagag tccgctcttt cggctaccca attcctgatg cgactcttgc cgttggtgac 1020
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actgcctttg atgtgtttgt taatgatgaa catcttccga ttgttgtctt agagtcatat 1440
gcggcatcga cagcaccgac gacatcgggt ggtccacccc ggcaactgga ttccgtgctc 1500
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cagtactcgg gagtggacta ccgcgatgtt gtgatggacg atcgacctc cagcctttg 1860
aacaacttcg caacaattgt tgacctctc caatggcgtg tctcccgcca ggcagaggag 1920
ctggcttact gcacaatcga cggctcgtgga aaagaaggca aaggcatcac ctggaaaaaa 1980
tttgacttga aggtcgccgc tgtagcgatg tacttgaaga acaaggctca agttcgacct 2040
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tgcttctgtc tccgtgttgt tgtcattccc atagctccaa tcgaccagaa cgggctagca 2160
gaagacgcc ctgcattcct ccatgtgatc aatgatttca aagttaaagc catcctcgtc 2220
aatagcgacg ttgaccacgt catgagacaa aaagtgggtt ccagcatat caagcagtc 2280
gcgcaggtcc tcaagattgg tgtgcctgct atctacaata ccagcaaacc atcgaagcag 2340
tctcatggtt gccgagatct tggctttact gtcaaagaaa cttgggttaca atcagaccaa 2400
ccagctctag tttggacata ctggacaccc gatcagagaa gaatctctgt acaaattggc 2460
cacgacacca tcttgggtat gtgtagtctt caccacgggg cgaaaaggac gacgggtggtc 2520
tattga 2526

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<210> 9357

<211> 240

<212> DNA

<213> A.fumigatus

<400> 9357

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tatgtcttat cttctctcct cccatctctc gctctctctg tctgtcactt tccggtttctt 60
gaacccttcc cgcgtgtcat gtgcatcccc gctatcccca aaatgggtca gactaactac 120
actttccctt tctggcctag tgccttcaac acctaccgga aacaagctag cgagaactca 180
ctccaaatgc ccaactaccc aggcagccag gcaacaattc cctcctctca acccattga 240

```

<210> 9358

<211> 372

<212> DNA

<213> A.fumigatus

<400> 9358

```

caaatggcat caacttcaac gccagcgtca aggtcaaggc caacatcgac ttctacctcc 60
aaattcagca ctacggtcac agcctctaca ccgtcaaccc tccagctcag cgccaaactt 120
gcaggcgcgc atactaagtc ccatgcggga aactccaatg ccgtgggata cgaccatgag 180
acctaccttc agttaacggc cggcgagaaa gcgaaagaga agacgccgaa ccagggtatac 240

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cgagaggtga gtgatcccta ccagaaaaga cgcaatgcga ttgacgttat tgcaggagcg 300
 agctcggagg cgcacgacga gggcattgga tccagctatc ctagaacctc agggcgatcc 360
 gagccccatt ga 372

<210> 9359
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 9359
 cctcacgggtt cccttggttct ctatgctgcc acacccccctc cgcgaccatg ttcgacatc 60
 tctggatcgt tatcgaggtc cccttccatt tcagcaacga atctctccca ggtattttatc 120
 acaccctgga aaaagtcgat gtgcttctcg gcaagagccc ctacgctatc tcggaactcg 180
 accgccttta tccgttcaaa gtcggtact tgcggacaa cctcttcgtc gaacatctct 240
 gatgtggtct tggccgattc cacctcccgg gtgagctcgt cgatgcgcag ctccagcttc 300
 cggacacgct cccgacgcga ttgttcgtgg tctactccgc gcatgtcttc catcttggag 360
 cggatgaatg aggcaggcga tgaagttaa gggttagagg cgtag 405

<210> 9360
 <211> 408
 <212> DNA
 <213> A.fumigatus

<400> 9360
 gccaaagacac cgcgggacgg cagccccctcg atggatcagc acgacgactt tgatagcgctc 60
 tcatggagac aggacccgga gagcgacatc tctcggccca ccacgtcagg aacagacgcg 120
 gatgagtcgc tagaatacaa ccgtgatacc aatggcaagc ggaggatgag ttcagttcac 180
 gaagaccgcg ctacggccgg gccgtggcg gacgccgtgg acctggcggg tatcggggat 240
 ggggtgctgg aatgtcgagt tgattcaccc ttgaaagaga atgatggaac taaggatgcg 300
 tacatttcgt atctcgtcac tacacatgtg agttactttt tctgatcag tggccttgtg 360
 tccgtttgct ggctgcctgg ctggagatgc atgcaaatga agtattga 408

<210> 9361
 <211> 1203
 <212> DNA
 <213> A.fumigatus

<400> 9361
 atgcagacag atttcaagtc ttttcagaag ccagactttg ctgtacgaag gcgattttacc 60
 gattttctatt ttctgtacaa gacgctttac cgggaatatc ctgcctgcgc ggtcccgcgc 120
 ttgccagaga agcataagat ggagtacgtg acgggggacg ggttcggggc ggagttcact 180
 tctcgtcgcg cttggtcgtt acatcggttc ttgaagcgct tgacattgca ccctgtcctt 240
 cgtcagagctc cgttgctcgc catttttctc gaatcgccag actggaatgc gcacatgcga 300
 ctacactcta cccgtacctc gacgggtaac tcggatggaa gcggcacgga gatattcgac 360
 aactttacgg acacatttgt caatgcattc acaaagggtc acaagccaga ccgtcgtttc 420
 atcgaagtca aggagaaggc cgacaagctg gatgaggatc tcaaccatgt tgagaagatc 480
 gttgcccag tagcgcgtcg ggagagcgat cttgatgcag actacaacga tcttgcgacg 540
 caattccgga aacttgtgcc tctcgagccg gatgtcgagg tcccgtaca aatcttcgct 600
 gcatcgggtg aggagactgc gaggggtttc aaaatgctca aagaccacac ggatcagaac 660
 tatctgggct ctctacgaga tatggaagca tacattgtct cgtcaaagc ccttctcaag 720
 acccgcgagc aaaaacaact cgactttgaa gcgctggctg attatcgga taaagcagtg 780
 gctgagcggg actcgcttgc cgccaacca tcttctact acgcctctaa ccctttaact 840
 tcatgcctg cctcattcat ccgctccaag atggaagaca tgcgcggagt agaccacgaa 900
 caatcgcgtc gggagcgtgt ccggaagctg gagctgcgca tcgacgagct caccggggag 960
 gtggaatcgg ccaagaccac atcagagatg ttcgacgaag aggttgtccg cgaagtagcc 1020
 gactttgaac ggataaaggc ggtcgagttc cgagatacgc taggggctct tgccgagaag 1080

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cacatcgact ttttccaggg tgtgataaat acctgggaga gattcgttgc tgaaatggaa 1140
ggggacctcg ataacgatcc agagatgtcg gaacatggtc gcggaggggg tgtggcagca 1200
tag 1203

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<210> 9362
<211> 1098
<212> DNA
<213> A.fumigatus

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<400> 9362
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atgttcacgt attcctttct gaaagaggcg tcacaaaagt tcaggggctg gattgatgat 120
cttttgtcat cggcatgggc tagctgccag gacagcgacc ttctcattga atcaccagct 180
gcaatggcgg gtatacacat cgccgaggcg ctgagaatcc cttactttcg tgccttcaca 240
atgccgtggt cagggacaag agcttaccgg cagcgctttg cagtggccga gcacagaatg 300
ggtggtgctg acaactatat aacctacgtg atgtttgaca atgtcttctg gaaggcgatc 360
gccgggcagg tgaacagatg gcggaaaaac gagctcggcc taaaggcgac tactctggac 420
aagatgcaac cgaacaaagt cccattcctc tataactact ctccctcggg agtaccgcca 480
ccattggact acccgactg gattcggatc accggatatt gggttccttaa cgagggaagc 540
gactggactc ctccaactgc tctgtccgaa ttcatcacc gtgcccgca agatgggaaa 600
aagatagttt atattgggtt cggatcaata gttgtgtctg atccctcggc actcaccaag 660
actgtcattg agtcagttct gaaggctgat gttcgctgta ttctctccaa aggatggtcc 720
gataggctcg gagatcctgc tagtgctaag ccggaagtac cattgccgtc agagatccac 780
cagattcagg ctgcaccgca tgactggctc ttctcgcaca tcgacgctgc cgttcacat 840
ggaggagcgg gtaccactgg ggcgagctta cgtgctggcg ttctacgat catcaagcct 900
ttcttcggtg accagttctt ttttgggtcg agagtagaag atttgggcgt ggggatttgc 960
atgaagaagc ttaacgtgag cgttttctcg cgggcactct gggaagccac ccatagcgag 1020
cgaatgatca tcagagccca agatctaggc gcaaggatcc gtagtgtgag tgacattctg 1080
acgatcaagt tcttgtga 1098

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<210> 9363
<211> 843
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (99)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 9363
aagagcaaac gtgccccggt cctggtaaca tttgggtcaat gtgaggttga agatcccaaa 60
gccgatctcc agcacggtgt ggacgattct taccctgng atgtgaagaa aggctccgat 120
accatccaaa tctactgcaa gaccgtttgg ggtgctctgc atgcgttcac caccctcag 180
cagatcatca tctcggatgg gaaaggtgga ctaatcatcg agcaacctgt cagtatccag 240
gatgcgcctc tctatcctta tcgtggcatc atgatcgata ctggtcgcaa cttcatctcc 300
gtgaaaaaga tcctggagca gttggatgcc atgtcattgt ccaagctgaa tgtcctgcac 360
tggcacttgg atgacacgca atcgtggcct gtacagatca acgcacatcc ggagatggtt 420
aaagatgcat actcggctcg ggagacttac tcgcacgctg acatccgcca aattattgcc 480
tatgccctg cccgaggtat ccgtgtcatc cccgaagtgc atatgccag tctctgctcg 540
tctggctgga agcaggcaga cccgaaaatg gtgacttgcg ccgattcctg gtggtccaac 600
gacgtctggc aatatcatat tgcggttcaa cccaacccgg gccagctgga catcatctac 660
gacaagacgt acgacatcgt tcgggatgtc tacaatgagc tgtcgggggt ctttaccgac 720
aattggttcc atgtgggagc tgatgagatt caacccaatt gcttcaattt cagtacctat 780
gtccagtcac ggttcgcaga agatccgtcg tcttcacgac ggggctggaa tgacctccag 840
taa 843

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<210> 9364
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 9364
 gagacgcaag aatcggtcct cacattatct ttctgggtcat ctaaacaagg ctggaagcgc 60
 gcagctgtca acaccctccg ctgtctggcg ggatgcacac taggtgattt cttggcgctg 120
 tgggtgcttc aaagtttcta tggacattgg gatatgagtg ctattatggg cgtttctagt 180
 atgtga 186

<210> 9365
 <211> 978
 <212> DNA
 <213> A.fumigatus

<400> 9365
 tactcttggc agttgttatt cctctatact aatcagcttc cgttgacatc tgtacagcaa 60
 catgagcgcg acgcagtcag ctatgatccc ttctccgtcg gcctccagct tcaggcgcaa 120
 ggcatcgagg ccaaacatcc aatcgttatg atccccggtg tcatttcaac cggcttggag 180
 agttggggca cagggcgggc ctcccgtcag tactttcgtc ggcgactctg gggcagttgg 240
 agcatgatgc gtgcgctcgt tatggataaa gcagaatgga agaatacat catgctggac 300
 agagagactg gattagatcc tccggggatc aagcttcgcg cagcccaggg gttcgatgcg 360
 accgatttct ttatcacagg ctactggatc tggacaaga tccttgagaa tctggccacg 420
 attggatacg acccaaccaa tgcttttacg gccgcataatg attggcggct atcctattta 480
 aacctggaag tccgcgatca gtacttcagt cgtcttaagt cgtatatcga gacggctgtg 540
 ctggttaaag gagagaaggt gactctagcg tcgcacagta tgggttcgca ggtggttctc 600
 tacttcttca aatgggtcga acatccagat cacggcaaag gaggtcgcga ctgggttaac 660
 aagcacatcg ccaactggat caacatcagc ggggtgcagc taggcgccgt caaaggcctg 720
 acggcggtgt tgtcgggcga gatgcgcgac accgcccac ttaacgcctt tgccgtctac 780
 ggcttgaga agttcctgtc caaggaagag cgtgccgaga tcttcgcgcg catgccgggt 840
 atatcgagca tgctcccaa tgtcgggcga agcagtcctg tgcaacttta cctgggcact 900
 cgacgatcaa ccttggccag tcatgacctt tggcgacctt cctcactttc gcggaaccaa 960
 tttcttctgt taccgtaa 978

<210> 9366
 <211> 336
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (90), (107), (136)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9366
 aaactcacca caacggaaaa gcttgactat ctgctcgacc aaagtgaaga ttggtaccgc 60
 caccaggtgc ttagcaacta ttcacacggn ggtgcgcata caaccangga agtccaagcg 120
 aacgaaacca acccngcac atggttcaac ccaacttgaga caccggttgc ccttgcccc 180
 ggaattgaag aactacttgc tttaccgggt gggcaaacc cagcgacccc attactttta 240
 ttaagaaaaa ccgaacccct tgttaaactt aaacgttggg tttggaaccc ccggaacccc 300
 cccaaagggg taaatccggg cgtctctctt ggtaa 336

<210> 9367
 <211> 489

<212> DNA
 <213> A.fumigatus

<400> 9367
 cttctcactt tcaattcttt ttatctactt tcctgtcgtc cgattctctg ggccttagga 60
 gttattgtct tcgagctaca ctcccagtct gagtttggcg ttacatcaat tgcagcattt 120
 tgctttcctt tacgaccctt cctggcggtc gccacatgc tccgccgtcg tctggcaaa 180
 gacgacgacg tccagcagac taaggacaag tctcgcgatg acaaaggaaa gtcacgcgca 240
 gatactaaga cggttgttat ccaagaaaag ccgcaatctg gatcggttctt ttcccagaccg 300
 aagagtaaag ggcgcaatgg actcatcttc gcactaggag gcattttcgg catctttgtt 360
 gccttgtttt tcgccaacca gcaggatgtg attagtcttg aatcattgat ggatctgaac 420
 ctggacacat tgatcgatgt tattcctcaa ggcattataa gggatgcgcg agagtccacg 480
 gtatgttga 489

<210> 9368
 <211> 528
 <212> DNA
 <213> A.fumigatus

<400> 9368
 aaaaaggtag ccaagaacag cgacgggtcgt cgaaatcaca tgggaaacag gaaccggaac 60
 gtcacgcgag atcctcaaaa ttctgtctt ctccgaccac caaccacat catcagacac 120
 agcgcaatca caagctgctc acattcgctc ttttaccggc ttctccaaca gtctactgaa 180
 atcaagctcc accgtccaag tccttatccc acaacaactc ccgcacat tcccctcgat 240
 gactccgtaa tgagccagga tgactcttcg cccgcagagc ccacagctgc tgggtgctgct 300
 gctccttcag acctccgcta cgtgcgctac gatggatccc gcgaaagtga atttgtatcc 360
 gcaatgagac agcttatttc caaagatctt tcggaaccgt acagcatcta cgtttaccgc 420
 tacttcctct atcaatgggg ggatctgtgc ttcatggcca tggacgatac aaaggagaaa 480
 gatttcatgg taggcgtggt agccttcccc acgggagaaa atccgcgt 528

<210> 9369
 <211> 222
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (164)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9369
 ccggtgttga tgaacaatga agctctcgcg gaagatccac cgacccctct ctgggaactt 60
 gtgctagaac aatttaagga ccaactggtc ctcatcctct taggctccgc tgctgtgtct 120
 tttgtactgg ctctttttga ggaaggtgac gactggacag cgtntgttga ccctgttgtg 180
 gtacgttctg cgaaaccccg ttgtacgaag gtgatttctt ga 222

<210> 9370
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 9370
 attttgacca ttctgactct caatgctgtc gtcggtgtca cgcaggagag cagcgcgag 60
 aaggcaattg ctgctcttca agaatactct gcaaatgaag caacagtggt tcgtgatggc 120
 aaaacccagc gtattaaggc ggaagatctc gtccctggag atatcattca catcggagtt 180
 ggtgaccgcg ttccggccga ctgcagactg ctagctattc aaagcaacag ttccgcgctc 240

gaccaagcgg	tcctgacggg	cgaaagtgag	agtgtctcca	aggatacccg	ctcgatcaag	300
gatgaacagg	ccgtcaagca	agaccagaca	aatatcctat	tctcggggcac	ttcgggttgtc	360
aatggccatg	ctactgctat	tgttgtgttg	actgggtgctt	cgactgctat	tgggtggcatc	420
cacgaaagta	tcacgtctca	gatttcagag	ccgacggccac	ttaagcagaa	actcaacgat	480
tttggcaaatt	gcttactaaa	gtga				504

<210> 9371

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9371

aaatactgct	atccgagaac	tacttaccta	acctgggtcta	ctactaccgg	taaccttttg	60
ttcatccggc	cacttggcat	tcattgactcg	gtagccacgt	tctcccttta	tatttcttct	120
cattctttct	tcctctctct	cctcttcgtc	tccctctctc	ttggcttggt	cgattgttcg	180
aggtgtgatt	ggcaatggag	cgatcttttc	tccattctcc	agcagaagtg	ctggagcact	240
ttggagtctc	agagcgtgct	ggtctgtccc	aggatcaggt	cgtga		285

<210> 9372

<211> 603

<212> DNA

<213> A.fumigatus

<400> 9372

tccatcggtc	gtccaacagg	actccgtatg	catttacccc	tcccccgagg	gtcacgcctc	60
tgctgtaatt	tatctaggct	ccaagttcct	ccttctctat	cctcttctac	tcattcatcc	120
tcatectcat	ccttttcttc	caatcgcgcc	ggcgcgtgtg	cctgtgggtg	tcgcaattcc	180
gcctcgtgct	cctgctcctg	ctgtgttcat	ccatcctctc	tgcccccttt	aaccaaagct	240
accagatcat	tgactaccac	tacttcgcgc	gcactattcc	gcacatcacc	atccagaatg	300
gcgcaggaat	acaaactcaa	ggacatctcg	tccctagcgg	acatcaagaa	catggacaag	360
gtcaggtccg	aggttgaggg	cgtggagggt	gggaagggtc	tggtgctgcg	tttcaatggc	420
caggtgcatg	cgatgagccc	caaagtact	cattacgggg	ctccccctgaa	gctgggctgc	480
gttgcgcttg	atggtcgaat	cacctgtccg	tggcatggcg	gtaagtcggt	cctagtaagg	540
gagtgggctg	tgtacatgct	gatcatcggt	tctggtagcc	tgtttcaata	ttgggagcgg	600
tga						603

<210> 9373

<211> 210

<212> DNA

<213> A.fumigatus

<400> 9373

tcategtttc	tggtagcctg	tttcaatatt	gggagcgggtg	atgtggaaga	tgcgcttgct	60
cccaacgcat	tgaacaagtt	cgagcttggtg	gagaagaacg	gtgcgggtcta	tatcaagggc	120
gaggaggctg	cgatcaaatc	tggacagagg	gatccggtct	ttaaatagcag	cccttccact	180
ggggagaagg	tggtcgtggt	tggcgggtaa				210

<210> 9374

<211> 300

<212> DNA

<213> A.fumigatus

<400> 9374

gctccaagtt	cctccttctc	tatcctcttc	tactcattca	tcctcatcct	catccttttc	60
ttccaatcgc	gcccgcgcgt	gtgcctgtgg	ttgtcgcaat	tccgcctcgt	gtcctgtctc	120
ctgctgtggt	catccatcct	ctctgtcccc	tttaacccaa	gctaccagat	cattgactac	180

cactacttgcg	cgcgcaactat	tccgcacatc	accatccaga	atggcgagcag	aatacaaaact	240
caaggacatc	tcgtccctag	cggacatcaa	gaacatggac	aaggtcgagt	ccgaggttga	300

<210> 9375

<211> 1212

<212> DNA

<213> A.fumigatus

<400> 9375

cattataagc	ccgggaaacc	gctagtagca	gaaagccaag	caaaagcggc	gatcggaccc	60
ctttggatga	cccaaataca	gatggcaagg	acccggatga	tgacgatata	gttctcccta	120
agaattcccc	aagccggctg	gagaaaacgg	gctctcgacc	caacgtatat	tcccggcaag	180
aatgacgtcg	gtgaagaaga	agatgatgat	gatgagtata	ttccaacggg	cctaggacga	240
aagaagagaa	gaatttttga	ccctgccttc	gttcctgaca	aaggcgacga	agatcaggac	300
atattttctag	attcgtcaaa	gaagggcaag	ggcaggacta	cagaaaatcg	aaccacgaca	360
aggaaagcga	attctgaaat	tggagcaggg	aatctaccta	ctcctagcaa	agagacacct	420
cgaccgcgga	aaacgatgaa	gactgaaccg	acatcacctc	caagagtccc	agttttaccg	480
gctctcacgg	atcctcaaca	tgatacctct	gacggaaaag	cggccattaa	aaattcgtgg	540
gagcttgtaa	acgccagaac	acagccaaac	caccccttaa	aggtgaaagc	gatgaagata	600
ctcaacaaga	ttgcagaaga	tagaaaataga	gccttcttcg	cgctcgtcaa	agctcatcaa	660
cgctctcgga	aaagtattgc	ggcccatattg	gcaggtaata	caaatagacga	ggctcatacc	720
cagggcatgg	cagactcctc	gaggagaagg	aacaaaacct	cagacgccgt	tgcgaggcat	780
tcagactcta	ctgcgcaagt	gaatgatact	tcattgactc	aggaagatga	ggcagacact	840
tctgtaccag	atctttccca	ggaaagagcg	aagcgctggg	caaatagctgt	caatgtgcc	900
aagggcttat	ggagcgaagt	ggagaaacaa	cttttctatc	ggatcgccat	gagaggtttc	960
gaacctttgc	ttcctaagca	gtggcattat	gacttctcca	cactcccgaa	tcctctgttc	1020
gctgtttcgg	gtgagaacct	ggcgctggtg	atcaatgcaa	tcagaggctc	ggaattctac	1080
ggtaagttgg	acctcagcca	tgcaatttgc	cttgatagtc	cgctgaatat	ttgcagcaat	1140
caggtcgctt	tccgatttat	tctctctcgg	cggctatgtc	agagactgca	atctggtgca	1200
tcgtcgacct	ga					1212

<210> 9376

<211> 363

<212> DNA

<213> A.fumigatus

<400> 9376

gcccttatgg	accacttgtc	tttgagaaga	gactcatcgc	aaatggcaga	gaacaacccc	60
gacgtaatga	acgaattggc	aacaaagtgg	ggtctatcat	cagagctcca	atttttacgat	120
gtctattccc	tggatgaacc	cgaacaactc	gcacatatcc	ctcgacctgc	catggctctg	180
ctcgccatca	ttccacgtac	accggcttgg	gaacgagatc	gcgaggccga	agatgccaac	240
aaagaacctt	acactggctc	cggcccaaac	gagccggtca	cctgggttcaa	gcagaccatc	300
ggccacgcct	gcggctcgat	tggctctgctc	cataacttgg	tcaacggccc	ggccgcccga	360
tat						363

<210> 9377

<211> 945

<212> DNA

<213> A.fumigatus

<400> 9377

caggcagtag	atactcttct	tgacctgcat	gccaaagtgt	ccacgggtgg	gcggtattac	60
gatcgcatgc	tagaggaacg	attatctagt	gcatactcgc	agcattcgct	cggatacgca	120
actgcgccag	gcggttcccc	ttaccccaat	atatactcta	cgatgccttc	ccacatcccc	180
gaaggtaaaa	ctggagccga	aaacttttat	tacggaaacc	ccgttgccga	tagggcgctt	240
ccagtcgcta	acacttatgg	atacctcat	tccagcaggg	atattcgcca	gccaaactgca	300

gctcccagcg	gtccgatcag	ctccggcggtg	tattaccaac	ccggtcaggc	agtgcctcta	360
aatccaccat	ggaatggaaa	agctccttct	gtcgcatcac	ctcaaccatc	cgatccatcc	420
actcctttcc	ctaacatttc	ttcagataat	cttgaacctt	ctgcttggag	gcaatactac	480
gcgctcgcgc	cacatcaaaa	acaagattca	aatgcgtatt	caggcccccgc	gcctggggag	540
acagacgtat	ctcaccagtc	gtcgccaaac	atgcgacgag	attcttacta	tcaatcagct	600
ggagcgcttg	tactgcgcg	ggctagcgcc	ccggaacaat	ctccgcctac	agaccagggc	660
cagtctccag	cttatatgca	atacggagat	tctcattcag	cgcaatcgac	tggccaacct	720
acccatcaac	atcagcctac	ggccctcct	ccccagtcgt	actacttcca	gcataaacct	780
ccacaaagcg	caccacttcc	aacgcactcg	cagactccag	gtgcgccata	tggaacgtat	840
cctggcggag	atgtttcccc	aattgggtgcg	cctgcacctg	cggtgcatta	tcaaccagct	900
gcccacaa	aaccggcggt	tgaggaaagt	ctgattgagc	tgtag		945

<210> 9378

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9378

tactatcatc	ccccggcgca	tgccttttgc	cttgcacctt	tattcctttc	tacctctgtc	60
ttctattccc	attcatcttt	attcgacacc	catttttagca	ctaacggcgt	ccggtgcac	120
gttatggctt	ttagcttacg	agcatttctt	atcaaattcg	ggatatccta	ctgcgtcaat	180
ctttga						186

<210> 9379

<211> 228

<212> DNA

<213> A.fumigatus

<400> 9379

aaacttcagc	cttcgttcgc	tcttgacact	ggagaactta	aatattctgg	agaagtgcgc	60
actgccactg	tgccctgacg	tttttttgg	cccttgaagc	taattgccta	tagataacctg	120
tggccgacat	attcggaaga	tgcgtccaat	caccatgtgc	tactaattgc	gctgattgtc	180
agcattaagc	agcgagatca	tttgccaata	tgggggtgcgt	tccctgtag		228

<210> 9380

<211> 1809

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1598)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9380

attatagaga	ccttctctga	ccggcccggc	gactttctcca	acctttttcca	tcgtatcctc	60
tctatgagcg	tcgacaattc	tttgtctacc	ttctctcgcc	aatcgatatt	gtccttcatt	120
atcagtgtct	tccaatccct	ggagaacgta	ctcatccgaa	aggagtgcgc	acctctcggt	180
tcgattttcca	tctggcacia	tctctcgagc	gaagaactaa	gggatcggat	ctttgctaaa	240
gtaccatcat	taaagaaagc	ctggagagca	gctgggaagc	ggtacgaagc	tggagatgag	300
acagcaaagg	cgaggatgcg	attcgagcga	tcgtggctct	ttactatgct	tctggatttc	360
ttgcggcgat	tgaatgggtc	cgagcaggaa	ttgtctgata	atctacgcta	ttgtgagagg	420
tttctggaat	acctggtaga	cttggagagt	cagctcccga	cacggcgcta	cgtcaacacg	480
ttattgaagg	atctcaattt	actcccgttt	atacggcttt	cgcaaagtga	ccgttctcct	540
ggaaatgtct	tcttccgcga	cctcgttgag	cttcttaaac	atctctcagg	attcgcaatc	600
gatgattaca	ccggcgaacc	tcttgacctg	caggcaatct	atgagagcca	ttcccgagag	660

ttggcacatt	tgcagcggac	cgcaatgaag	cacttcaagg	ataagctgat	gaccttgc	720
ctgtcaaatt	acggctcaat	cgagcaacgc	tcagaactgg	aagggcaact	gagtaccctg	780
aacgactccg	agcttcaaag	tctctgtatg	cacctgggtt	tccggacaga	ttatcccaaa	840
caatccggtg	tcataccgac	tcgacatctc	tatctcgaga	tacttctgtc	attctacgag	900
cgcaagggtg	cgtttcaaga	gaccgcatcc	cgactaagca	ttgtgcccac	agaaaaagat	960
ctctatgacc	cttcattctt	gcgaaacgaa	acctatgacg	gatctcgacc	gcttgcgatt	1020
ccgaaactga	atcttcaata	tctgagcctt	ggcgactttc	tttggcggtc	gttctctgtg	1080
tatcgttccg	aagctttctt	ccaggtcoga	aaggatatgg	aagcgattat	caagcggatg	1140
cagcctcgat	caagccgcga	tggtaaaacg	ctgaccttcg	atggtttctc	tcgcatggcc	1200
attcccatct	ccaaaccagc	cataatcgag	gttgacacct	ctaaagtagg	ctcgtctgac	1260
ccagcttttg	tgagagctga	gattgcaatc	gaagttggca	ggtttagcaga	tcacattcgg	1320
aaggagtggg	actcaactcg	tccagatgac	gtcgtcttcc	ttctagctgt	ccaaccgggt	1380
aatgcaaaca	attccgtttt	cagggacagc	tctgtagaga	ctccgagtct	gatgcacctt	1440
aggactgcaa	cgggtggttca	ggttctcgat	gaacagggtc	gcccaacttcg	tgaaccagtt	1500
gtggggccaca	cgaatgggta	tcaatctcga	cctcgccctcc	ggagattgct	gctcaatctg	1560
gatccatccg	ctttcaaggc	tgataaggat	cgcacctncc	aaggaaagca	ggacatttat	1620
ccattgataa	acgtgattgc	aagacggaaa	gggcgggaga	acaatttcag	gtcgatactg	1680
gagaacatgc	agagactcat	tgtctctgat	gttaccttcc	cttcttggtg	tcaggatatc	1740
tttctaggat	acggagatcc	tgcagggtgc	aggtatacgg	gaattgcccc	accgactgaa	1800
gtcagttga						1809

<210> 9381

<211> 324

<212> DNA

<213> A.fumigatus

<400> 9381

gaattgttca	atltgaggaa	cgtacaagag	acttcgttta	gcttcagcgg	tcagagatg	60
accacgatga	gcgacaagct	ggagccccct	gcaattgttg	gcatgaagtg	gcggttctct	120
ggcgaggcga	actcagccag	cggctttttg	gatgttctta	ccaatgcgag	atcagctaaa	180
tctcgcatcc	aagcggatcg	cttcaacgtc	gacgcacact	atcatccatc	agccgatcgg	240
aatggatcag	taagtgcatt	taatatcccg	tggcaatcag	acgccgagag	tctccgcaga	300
tcattaagga	aggacacttc	ctga				324

<210> 9382

<211> 243

<212> DNA

<213> A.fumigatus

<400> 9382

ttcggaagg	ggtctatcac	aatctgtgtt	cgcgtgacga	gctctctaaa	aacaggggag	60
tctgctacgg	acaggagctg	cggtatgcac	catgaaatct	gtctcttgac	cgagctgaca	120
cgacacagcc	tgaatctcat	gttcacaatc	gccgctgtgg	cgaccaatgt	ctgcgcctta	180
ccagttggca	ctatcctaga	tcaatacggg	cctcgcgctc	gtggtatcat	tagcagcata	240
tga						243

<210> 9383

<211> 195

<212> DNA

<213> A.fumigatus

<400> 9383

catcgcatgc	tcacgaatc	tggtggggct	tcgtcacctg	acatgcaaat	gtacatgtac	60
gaggacagtt	gggaacttcg	ggatccggct	cgtcttctac	tcactcaaga	ctctattaca	120
gccacttttg	agaaaacgca	atlttgctct	aacaagctag	atcctcggcg	taacacctca	180
tctccaaagc	catga					195

<210> 9384
 <211> 720
 <212> DNA
 <213> A.fumigatus

<400> 9384
 aatctaataca aggcaacggt atgtcgtctc caacctaagc tctgcttctg ttcagcttct 60
 catctgcaat gtatagctat gtctctaaat cgagtctctt accttgagtc gtggggccaa 120
 actcggccag gatcactgca gcaacagcaa caaggccaag aggatggcga ttctgactct 180
 gtggacgggc gcaatgtcga ccttccggag agttcacttt catcctcctt ccagtcaacg 240
 tacacttatc gtttaaattt caatccatat gctggggccg gttggactca gacccctgat 300
 gaagttgccc ctgaagtcct cccatcttgt cctgaaactc ctacaataaa aaccagcca 360
 aaaccactgg aggagggtga ccatggaaga tatgatccac aacatgcctc cttaagggtg 420
 ccgaatgagg attatccatt gcagaccact ggggcgttcg aagtcagtag tacacgacga 480
 atttgtaaga atccggttaa accttgtttg ttcacgacgc gagagatact aatgagatac 540
 ttaggccagg taattgttgc ggatcatctat tgcttccctc cagcaggagt tgtgttcgga 600
 tttgcggcat tgaaccccg cctgattcgg gaaggggtct atcacaatct gtgttcgcgt 660
 gacgagctct ctaaaaacag gggagtctgc tacggacagg agctgcggtg tgcacatga 720

<210> 9385
 <211> 1272
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (488), (495)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9385
 cgcgtaaagg tcttggatga cctgtgccgg cttgtagatg gcgagcaatt gcattttttg 60
 cgtatcaagt cactttctca aacgttcaca ctggagctca tcgagagcat tctcactaac 120
 agcggacgct tatttgttgg tcatgcggag ctaacgcatg ttctgccgac tcggctcatg 180
 ccgatgacag tcaggtatct ctctgagagg cacggctttg cccttaccag ccgcgtcgtc 240
 cggattcttc tgatacttct caagcgttac atgtctcttc tgacagccga atgcgagatg 300
 gctcttgggt tgctgactca ccttctcgaa ccggatggaa catcgccctg gaaaagagta 360
 ctctgtatgg aaatttttag aggcctttat gccgagccgg ggctagtccg gctcatttat 420
 tctctatatg acggagaaaa caacaggaag aatattctca gagatcacat ggccgctttt 480
 ggttgttntg ggttnggaga acccttcatg aatggagtca gcagtcgttc caccgtacct 540
 atgcgagctg tacatgcacg atccataacg gaagagcaga taacactgga agccgtcgga 600
 tttgccgggg ttattggggc cattggccat tctactgaga ctaatttcca gggaatttagc 660
 agtcagtggg gcacagtcgg cacgccgtat atcgagttgc ttgacaagac cgatccgcca 720
 cctccccgtg aaacgtacat ctacagccta gtactcaatt gtatcacctc atttgcagaa 780
 gggctggcga aattcatact tccattaact gtcccagact caaagcagaa gcggagaagt 840
 cggatgacga gccctgacaa aagcaattct cctaagcctg cacatattta tcagagaatg 900
 gatgccagca caactataca ccgatcgaat tccaagaaac tcgcgatacc tcttaatccc 960
 ttggacctag attctcacc ccaattgaca gctatcaagg cctgcgccgg catcatggag 1020
 aattgctggc ctgctatact agcagcctgt tcgacatttc tctacgcttc gttggacgaa 1080
 gattactatc acaaccttgt tcgatctttt cagaagctgg ctcatgttgc cggctcttctc 1140
 agactctccg ttccgcggga cgcttttctg actactctag cgaaggctac aatgccagct 1200
 gagatggctg gtgcttcgac tgcagctgcc tcagattccc acagcattcc cgctatggat 1260
 gaaaaacgct ag 1272

<210> 9386
 <211> 294

<212> DNA

<213> A.fumigatus

<400> 9386

aggcattgcc	ttcaacttcc	gaggctcaga	tatctgctgg	tgggtgtcaa	gccatgccat	60
atgtcgccct	tgttgctgct	tggaagatt	actgagtacc	caagagatct	cgtgcgcaaa	120
cccaagtttg	tcgatccatt	tatttttagcc	tgccatagtc	gacatgcaaa	gcttgctgga	180
atcggagttg	tctgcttgca	gagacttgtg	gcttcacggg	cactaccttc	tgagaggctg	240
aatgatgtcc	ttgggggatt	gaaagagacc	actagcctga	gtatgcagtc	ttag	294

<210> 9387

<211> 297

<212> DNA

<213> A.fumigatus

<400> 9387

ttcttggtag	tggtgtatta	ttattattat	tattatctgg	cgtgcccgc	cactcgctct	60
tcaacctttt	tctcttctgt	ctcaatcact	cacttttttc	cccttctctc	cataagtttt	120
ccggagtatc	ggtctccggt	ttatctaacc	atggttttga	ttgacaagca	agagtacctc	180
acccaggagg	aacagcgtct	caaggaagat	cgtgaacgga	ccagatactg	gaagaaatgg	240
ggtccttatg	tcgcagagag	acaatggggc	acaggtgagt	cctctctcta	ttcatga	297

<210> 9388

<211> 198

<212> DNA

<213> A.fumigatus

<400> 9388

tcgacgtatc	tgttacggtt	agattttctcc	tacgatcact	cccgggtcaag	aacatatcgg	60
tggggcgagg	atggaattgc	tggtgtctcg	gatactcatg	gcttagaaaa	tatcgctttt	120
gcctttttgga	atgagaaaga	gtatgcctac	gctttttctgg	atatgcaatc	tgagcggagc	180
tctgacattg	actgttga					198

<210> 9389

<211> 336

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (281)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9389

atgtcctacg	actccgcatt	caccctcaa	ggagccgccc	tctccgacct	cccctggcgc	60
gaacaactcc	gccgcggcct	caaagacatg	ggcgcgcgct	cctgggtcctc	ggccaaaaat	120
ttcgggtatcg	tcgggtgcgt	ctacgctggc	acggagtgcg	gcattgaggg	cctgcgcgcg	180
aagaacgacc	tcaccaacag	tgtcgcggcc	ggttgcatca	cgggcgggat	ccttggtgcg	240
aaggcggggc	cgcaggctgc	ggctgctggt	tgtgttggtt	ntgcggcggt	cagtgcggcg	300
attgatgcgt	atatgaggat	gccgtcggag	gagtag			336

<210> 9390

<211> 495

<212> DNA

<213> A.fumigatus

<400> 9390
 acgttcctcg agaacattcg acaggctacg gtgggagagg aggggaatcaa tgccactcag 60
 tcgaggggag tgcctcctgc gcggaaacgg gattccagct ccgcgtcccg aagcagagat 120
 cggttgctcg tgcattggagg caaatcatcg cggtcaccgt cgtccgctcg gggcaaggcg 180
 gcagggacac aattatctgg taaagacact aaatcgggtg acatagacgt gtcgttctgg 240
 agtgaattcg gcattgatac agctgggcag aagtccacga aagctcgcg agcctcaa 300
 accccacgcg gggcgaccga acaagaaacc tccaacaata tcgacgttga agagaactgg 360
 gatgactggg atactcccca gcccaagaag acgcacaccc ctctcgtcag ccgctccacg 420
 ctggagtcca agcatgacca gtctccaata acccagaaca gtagcccccg tacaagcggc 480
 aggtatgcta tttga 495

<210> 9391
 <211> 1209
 <212> DNA
 <213> A.fumigatus

<400> 9391
 accatgatga atccttacat tagctgggct ctgctactcg tgggtggcagg tggcctggga 60
 tggtattata atgccccgaa tcccaaagcc aagcccaccg tcaagcccgc ggcagagaag 120
 atagaaagtg cgactggagt gaagaagccc aagaagaagg cgaaaaaatc ccacgagcct 180
 acttcatccg caacgaccaa aaaggctcgaa gagaagcccg cattcgagga cggagctacg 240
 gaggggtgatg atgggggatga agagatcgac cggaaggaga tggccaagcg ttttaccgct 300
 ggggagagtg gaatccccgc ccaggggagc ggcagcgagg gtaaatctca aaagaaaaag 360
 aagaagacca ccagccaact cgaggctgag gagagtaagc gctccggatc tcgctctcgc 420
 gctcgcacct cctccaccgc tggcgccgac gcggtatgat atctctcccc cgcggttcc 480
 ccgatgggtga agcctaccgc ctctcctcgt ggatatgtat cggacatgct cgaagctcct 540
 gctcccgcg cgctctgctc ccgtgtcacc ggggtctatg aagcgcccca gaagaagcag 600
 aaggctcagt ctttcaagca ggtcgaaacg aagaagcaac gccacaacg ggcgaagaac 660
 gaggtctcgta agcaacaagt ccaggaagct gaggcagaaa gacgcaagct tctcgagaaa 720
 cagctgcaca cggccccgga ggctgagcgc cgcaagcgg ccaagaccaa gctcgttgcg 780
 cctcagagca acgcttgcca ggcaaaggag gtgaaccca catccaacgg caccgccaat 840
 gtgtctcagg gccccaacgt ggaactgctg gacactttcg aaacgccatc ctctaagcag 900
 tctctgcca ctacctcgag ctcgaaagag tgggaccagg gccttcgctc ggaagaggag 960
 caaatgcgta tcctgggtgc tgatcctagt gatgactgga ccaactgtgt gagcaagaag 1020
 cctaagaaga agggcggaag ggccgatgag agcttcagcg aggccagtgc gtctgagacc 1080
 cagttgactc ctgccgctcc agcggccggt cccgctgccc ccaaggtcac tgtgaccccc 1140
 acttatatac ccgatattct gcgctcgaag cagaaaggac acccgctcga ctccgactgg 1200
 gccgcttag 1209

<210> 9392
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 9392
 attggatcac tgcaaaactt ccagtcaatt aattatctgc gatcagtcac taccaggggc 60
 tactccctgc ccaatctcct acgccgttct gccaaacttct acttcaagga acgatcgatt 120
 gagacgacga ccataaatat cagcactttc ctctactttt ttttgccct tttgcttctc 180
 tttgaaaaac caatttgccc aaggttgctc cgttcctaca ctgatgcccc acttcgatcc 240
 tga 243

<210> 9393
 <211> 558
 <212> DNA
 <213> A.fumigatus

<400> 9393

tcgcccattc	ggccgctgtg	cttcctgccc	cgtgggtgaag	acgccccctct	tcctccaaca	60
actatcctgt	cctcaaaatc	catctcccaa	tccgccgccc	acgacttcct	cgccgcctat	120
ctcgaccgcg	cggccacaga	tccagcccta	caaccacaacg	ctagcatcag	cgagcacggc	180
cccatttccc	gtaccacagc	ggcagcgccg	aacctcatcc	tacataatct	gaagcgcgtc	240
caggccgggt	tggctggcga	ggttctgggc	cgtgatttga	ctctggcgaa	gatcaatgcc	300
ggtgaggcgc	tgcagggtga	gagtggggac	aatgtcgtgt	gggaggagac	caagcatgaa	360
caggtggcag	ctgatgatgc	gatggatgac	gacgaggagg	agatgcgagg	ggaagatgac	420
gaggagaacg	agcagcagcc	tagtagggta	gggggtgagg	ctgacaagca	taccgtggac	480
aaggaggagc	ggaagaggaa	gaagaaggag	cgccggttgg	ctgagaagag	agctaaagct	540
aagggcgcgg	acgcttag					558

<210> 9394

<211> 762

<212> DNA

<213> A.fumigatus

<400> 9394

gcgtatggtc	gcgcaaaagc	caagtttgggt	tctcatctcgg	gtctttacgg	tcaaataccag	60
aatcttgcat	ttatctacgg	cgatgtcctc	cccaagctct	ggggattgag	cggtctcttg	120
ctagcccggt	actttccctc	tccggttcaa	ggcgagattt	cccagactct	tctgttcctc	180
ttcggtttca	acctgatcag	caccgttctg	tccctgccag	tttcatacta	caacaccttc	240
gttctagagg	agaagtttgg	cttcaacaag	cagacgctca	agctttgggt	cacagacatg	300
ctcaagggtc	agatgctagg	aattgtgttg	ggaaccccgga	tcatcagcgc	ggtgcttaag	360
atcgtgcaga	agactggcaa	ctcgttcttc	tactacctct	ggctctttgg	tgtcttcgtt	420
cagatcttcg	ctatcaccat	ctaccccat	gtcatcctgc	caactgttcaa	caagctctcg	480
cctctggaac	ccggagaatt	gaagacaggc	ggtgagcgcc	ttgcccggga	gctcaagtgc	540
cttctccatg	agctgtatgt	cattgatggc	agcaagcgga	gtgctcacag	caacgcgtat	600
ttttacgccc	tgccgtggaa	aaagcacatt	gtcatctatg	ataccctgat	tgagaagagc	660
gagactgagg	aagtctgtgc	cgtcttgagt	catgaacttg	gtcactggag	cctcggccac	720
actactaagc	tctttgctat	tgctcaggta	cgtgtttact	ga		762

<210> 9395

<211> 237

<212> DNA

<213> A.fumigatus

<400> 9395

tctcacatgt	tctacatctt	cgccctgttc	tccgtatttg	tgaacaacaa	gtccctgtat	60
caatcatttg	gcttccacca	ggaaatgcc	atcatgattg	gattcctcct	gttctcggat	120
gctctggctc	ccatggatgc	tgtcgtcaag	ctcttgatga	acgttcttag	ccgcaaattc	180
gaatttgaag	ctggatgat	ttctgtcccc	tccgaaatct	ctacagacag	aagctga	237

<210> 9396

<211> 438

<212> DNA

<213> A.fumigatus

<400> 9396

gcgtccgcgc	ccttagcttt	agctctcttc	tcagccaacc	ggcgctcctt	cttcttcttc	60
ttccgctcct	ccttgctcac	ggtatgcttg	tcagcctcac	cccctaccct	actaggctgc	120
tgtcgttct	cctcgtcatc	ttccctcgc	atctcctcct	cgctcgtcatc	catcgcacat	180
tcagctgcca	cctgttcatg	cttggctctc	tcccacacga	cattgtcccc	actctcacc	240
tgcagcgct	caccggcatt	gatcttcgcc	agagtcaaat	cacggccag	aacctcgcca	300
gccaacccgg	cctggacgcg	cttcagatta	tgtaggatga	ggttcggcgc	tgcgctgtg	360
gtacgggaaa	tggggccgtg	ctcgtctgatg	ctagcgttgg	gttgtagggc	tggatctgtg	420

gccgcgcggt cgagatag

438

<210> 9397

<211> 282

<212> DNA

<213> A.fumigatus

<400> 9397

tttctgtccc	ctcgaaatc	tctacagaca	gaagctgact	gtgccacaga	tgccttcgcc	60
gtgaagctcg	ggatttcga	acagcttgcc	gcgtcccttc	tcaagcttca	gatccagaac	120
ttgagcacca	tggacgctga	ctggatgtat	gccagttacc	actactctca	tccgatcctg	180
accgaacgac	tcaaggcgct	tggttggcag	ggaggcaagg	tcaccgacgc	gaagacggaa	240
tatagcgaaa	ggccgggtcaa	ggctgctgac	cgggagctct	ga		282

<210> 9398

<211> 810

<212> DNA

<213> A.fumigatus

<400> 9398

atcaccatcc	atccagcggg	agtacttgta	tctgtcaaca	ccacgaggca	gcgaacaaca	60
ggccaacaac	acagtgcctt	gttcaaacgg	cctgttggtt	gtgctgaatt	tccagccatg	120
tatatcctcg	aggtaagctc	tcagaaatat	tgttcattgt	gtacctcgct	caagctgacc	180
gaacgggtct	gccctcgaca	gcaactcgcg	cgtcttctgg	accgcccgtt	cttcccgtgg	240
aagaatgttc	togtgggatt	ctctttagggt	cagttcattc	tccaaggatt	cttgtccttc	300
cgacaatata	aggtgctgca	gcgtacgaaa	ccaccaagg	tgttgagaaa	tgaagtgtca	360
cagaaagttt	tcgatcagag	tcaggtaagc	agagatgatt	atattgctat	tgtcaagatt	420
gcaggtctga	tatttctgcc	cttctctata	ggcgtatggg	cgcgcaaaaag	ccaagtttgg	480
tttcatctcg	ggctcttacg	gtcaaatcca	gaatcttgca	tttatctacg	gcgatgtcct	540
ccccaagctc	tggggattga	gcgggtctct	gctagcccgg	tactttccct	ctcggtttca	600
aggcgagatt	tcccagactc	ttctgttcat	cttcggtttc	aacctgatca	gcaccgttct	660
gtccctgcca	gtttcatact	acaacacctt	cgttctagag	gagaagtttg	gcttcaacaa	720
gcagacgctc	aagctttggg	tcacagacat	gctcaagggt	cagatgctag	gaattgtgtt	780
gggaaccccc	atcatcagcg	cgggtgcttaa				810

<210> 9399

<211> 420

<212> DNA

<213> A.fumigatus

<400> 9399

ggtcaaccca	gcatcaaacc	aaatccggaa	ccatggcaac	cccgaactctg	cactaccgcc	60
tcgcgaaccc	ctccgacgcc	ccccaaatcc	agcacctcgt	ccaatccgct	ttccgcgccc	120
cagacaccag	acaaaactgg	acaggcgaca	aagctctcgc	ctcagctttc	cgcacgcaca	180
ccgccgacat	cctatccggg	atcaccacgc	cggacagcgc	attcctcctc	gcgaccgacc	240
ccaccggcgc	gccgatcgcc	tgcacgcggag	tctcagaggtc	catcgctaac	gacagcctcg	300
ctcgtctctt	cctgctcgct	gtcgtatgaag	cgtaccagcg	ctttgagatc	gggcggaaga	360
tcctcgcttc	cgcggagggtg	tacgcccaga	gggaatgggg	agctcaacgc	ggggggctga	420

<210> 9400

<211> 231

<212> DNA

<213> A.fumigatus

<400> 9400

gtcgacgcag	tcattgtactg	tgaggataag	gtgcactact	tacagggtcca	catagctgag	60
------------	-------------	------------	------------	-------------	------------	----

ttgcagtttc	tccaggcttg	catctatagc	tctggggatg	tccgcaatat	tcgtaattac	120
cttggttgtc	acaaaaagct	gctcccgtgg	gacgccactc	tctttgatgg	ccaggcctat	180
ctctgggtct	gtaccataga	cttccgcgcc	atccaagtgg	tgatatccta	g	231

<210> 9401
 <211> 591
 <212> DNA
 <213> A.fumigatus

<400> 9401	
ctgcgtcgac	ctacgagact gatacgtctt attgcacctt gcagatatct gatccattcc 60
ccattcttcg	ccaaatcaga caatgagttg caagaagcct gggctgccat ggagaaggctc 120
aaggcagctg	ggaaggccag gtctattggt gtctccaatt tcttgcaaag tcacctagag 180
gcaattctca	aatccgccaa ggtaactccc tcgatcaacc agattgagta ccacccatat 240
atacagcatg	gtggccttgt tcagttccag ggagacaagg gaatcaagac agcgagctac 300
gggcctctta	cgccattac tcgagcaaag gatgggcccc tcggggaggt actgcaaact 360
ctcgctaca	aatatggggt cagtgaaggt gagatcctgc tcaggtggtc catagaccgg 420
ggtgatgttt	caatcacaac aagcagcaag gagtctcgtc tcagcagcta tctgcgcgcg 480
ttgcgcttcc	gactgacgcc gaaagaatta gacgaaattt cgcctatcgg acgcaaaaaa 540
cattatcgcg	catttttgag ggataaattc gcagatgacg atcgtcaatg a 591

<210> 9402
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 9402	
ttctccttat	gccagcttgg atatggcact ggcacagctt ggttcaaaaa aggcggggcg 60
acaggcattg	atcgagagtt agttgagtcg atcaaaactg caatcaagct aggatatcac 120
cacttggtatg	gcgcggaagt ctatggtaca gaaccagaga taggcctggc catcaaagag 180
agtggcgctc	cacgggagca gctttttgtg acaaccaagg taattacgaa tattgcggac 240
atccccagag	ctatagatgc aagcctggag aaactgcaac tcagctatgt ggacctgtaa 300

<210> 9403
 <211> 738
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (617)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9403	
gcagtcggaa	tgctttcgac ctctgtttta caacaagctt ctctcaccga ggagtcatca 60
cccaagatgg	gattacttgt acactctctg ggacatctta tggccaatga gtacgttctc 120
attgcccttg	ccatgttatt ctctctcgtc actctctcta gccgtccca ttcaagggaa 180
cgatcttcga	cgtcagcgtc gccctccctc aattccactc gtaaagaatg taaagcacca 240
aatacaccca	gctggggacg aagaactccg agaccatcc aatggtacca ggatatgtac 300
ttccagattc	acaatttgga acagtatccg accgtgctgg aaccagctcg cgatgagctc 360
ttagcaatga	tagcagatgg ggtctcgctc gccctcgaag cccccgagaa aggaattctc 420
cgcgttgaaa	gctatgatgc cgaacgactt cgatccttca tcaacggtga acacgaaaaa 480
acaatgaacg	aatgggcaag ataccatgat cgcaggaaac tgggactggg accgacactt 540
tttggaacaa	tagcagaagc aaagaaatgg ctcaaccagc gagctccagc aaaactggtc 600
gacggcgctt	ggctaacca tatacacaaa atcaacaccc cctttgctct tcgccgagtg 660
acgaaagatg	cgtggcagat attgtccgaa gagcttggga gacggagatg tcaaccgaaa 720

acatgtattc atctataa

738

<210> 9404

<211> 936

<212> DNA

<213> A.fumigatus

<400> 9404

catgaatcgt	attcggtaga	gtcggttcat	atcattcgtc	atttcgccga	ccaatgctcg	60
aatcgaaaac	tcccaatatt	atattcactt	atcgcgatgct	tcttcgggac	gggcatgggt	120
gctggcgaga	cttcgcttcc	gggtgtgttt	accggccgtg	tgatgcaagg	cattgctgga	180
tcctcggtat	ggattatcgg	ccttgcgacc	gtggctgata	ccgtgggagg	agacaatatg	240
ggtaaagttg	agggcatcat	gatgtcgttt	ttgtatgggt	gattgatagg	tgggccatgc	300
attgctgggt	ggcttttggc	atatgttggg	tattggcaga	cgtggttgct	gccgcttggt	360
cttcttatta	tagaattcat	cgcccgtctt	gtcatggttg	aaaattgtgc	agttccaacc	420
tccagcagcg	gaccggaaaac	atcatcgaaa	gcggaagggt	ccacgaagcc	attactctct	480
ccatgtgaag	atacccccac	aaactaccgg	tgggagaact	tctggcgcat	tatacttacg	540
gacgttcggg	cgggtggttgc	aatctgcgtt	gccatttcgg	caaacacagt	tggcaccagt	600
ttccatgcca	cctccctctt	tcatgtacag	gaaacatttg	gctggggctc	cggaagaagt	660
ggctccttgt	tcgcttgctt	tattatgccg	actgtttgtac	ttagtccagt	ggccggatgg	720
gtcggggatt	gtttcggagt	ccgggtaccct	gccagtgcag	ccgctgtttt	tcaagcggtg	780
atgtttggga	tattaggcct	tgcgggtact	gatcttctgc	cttggacgag	tgctcagtct	840
ggagggggag	ccttgtagac	gggggtgcata	cttgccattg	gtgcggcgcg	accattcacg	900
gcaaatgtag	gccctgtcga	actctcgtgt	gagtga			936

<210> 9405

<211> 348

<212> DNA

<213> A.fumigatus

<400> 9405

ccatcatcaa	atatgggtcaa	gactcggaaa	agattggccc	tgcctgtga	tacatgcagg	60
tcacgacggg	tcaagtgcga	tggcgagcga	ccattctgcg	cgccctgtcg	cactcggggg	120
ctgaactggt	tctatcagca	gtttcctgaa	cgccccgcca	ccaagtacgc	ttcttcttcg	180
cccactgcct	tgggggaatt	gggtggtcga	actgattctg	tgacagtag	aaaccgaact	240
agccaatgtc	aaccggcgct	tagactacct	caccatgctg	ttgtccaagg	agtctcaacc	300
gatagcggag	cgcgaacagc	cgtcgaccag	tgcactgggg	tgcacatga		348

<210> 9406

<211> 669

<212> DNA

<213> A.fumigatus

<400> 9406

gtgttctctg	atgctcgttt	catccgtctc	aagcacacct	ttggaaacag	actgctacgt	60
accgccaaca	tgagttctgc	cctgggaagc	cacctcctcg	ccgacgtcac	caaacgaaag	120
gccgtcgcga	gcgctcgcgt	tgccagctgg	gaccaaagcg	gactcaacga	agatgcattt	180
gtcgtcctgc	ccggcgaaaac	cgtgtgtctc	gccgatctcc	agggccctgg	tgcaattacg	240
cacctgtggt	ttgtgcaaac	ctgccgcaag	atccttggac	cgggcctgat	cccgtacacc	300
aagtccggag	tggccatgat	ggagatccat	aacgcactcg	gactgaactt	tgaagtcaat	360
gaccccgact	actaccgtaa	agtctctcat	aagatgtact	gggatgagtc	cgagagtcgg	420
aacgtgctgg	cgcggattgg	agacttcttc	tgcctcggcc	actcgatggc	ggcgaacttc	480
cagtcctctc	cgttcaccgt	ctctgtgaaa	ccgtcggagg	agaagcagta	tgggggtgcc	540
gcagccttca	actgctacct	gaccatgccc	ttcaacaagc	gcgcccggat	cgagatcgag	600
aacccaaaacg	acgaggccta	catccagta	ttctacattg	attacgagct	ctacgcggag	660
ccactgtct						669

<210> 9407
 <211> 324
 <212> DNA
 <213> *A.fumigatus*

<400> 9407
 tactactctg ccagctacgg agtcatgtta attgacagtt cacagccgca aagacctcca 60
 aggcaatcca ggccgcggaa tgttcccaca acacgcgcac atccagtagc taccttctcc 120
 gccctctgtt cctacaataa caagcatgca cctctctaata ccaaagcaga accacaaacc 180
 tttgccgtct tcgtcacgga ccaccagtag gactcctccc atggagctcc ctacggaacc 240
 tgcaaggcgt acacctgcac cgcgcccact gactcgcaaa tgaccgatgt caacgaggat 300
 tgctggacgt tcttctggaa gtga 324

<210> 9408
 <211> 864
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (145)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9408
 tcaaacaacg gggaatacgg acggcaacag tacaaggggtg aagccagcgg cgaaaaatgg 60
 accgagaagg attaccccat tgccaatgcg tccaggttcc acgaagctgc catgatgcag 120
 acccatccgt ccatggtagc ctttntaatg ggatccgatt tttggcccaa cgaccgtgca 180
 accaagattt acctcgatgc gctgcacgca atggactggc cgggtgccgat tatcgcgctcc 240
 gccagcaaac ggggataccc taaagtcttc ggaccgtctg gtatgaagat ggacggcccg 300
 tatgactggg tccccccgaa ttatttctat ggcgatcagc tgggtgccgc atttggattc 360
 gggtcagaag aggggtgctgg ggtgggaacg cccgagttga ccagtctgcg aaagtttctg 420
 tcgccaaagg acttggattc cttgtggaag aaccccgatc agaaccagta ccatatgtcg 480
 cggatatgact cgtccttcta taaccgcgct ctgtataaca aagctctctt tgcgcggtac 540
 ggcgccccag gcagcctgga ggattatctc ctcaagggtgc agatgatgga ctatgaggcc 600
 acgcgtgacg aattcgaagc gttctctgtg cgcagaatg cctcccgtcc ggccaccgga 660
 gtcataactt ggaatgtttaa tagcgcattg ccgaatctgc actggcagct gtttgaatat 720
 tattttagtt cctgcagggg gcatatttct gaaccaagat cgggtggaaga atggaacacg 780
 tggcgtatga ctaacgagga gcgtgcagtt tacctgatca atcgctccct tgagaagaaa 840
 ggggcctcgc atcgtctctg ttga 864

<210> 9409
 <211> 276
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (247)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9409
 attctcgtgg accatatcat tgtattacca tttctgagca gtcgctggct atatgtgctt 60
 gttatgcact acggatgcgc tccttcacca cacatttatg agattgtgcc tttgaaatta 120
 attgataacc ccggacaagg atatcagact caagacacag aattgactat cgtttgtacc 180
 aacagcgact cttccatggc ctctacttta acagtatact ttcaatcacc ttggcgtgct 240

gcacacnagc ctctgtccttc agctttctgc cgatga

276

<210> 9410

<211> 597

<212> DNA

<213> A.fumigatus

<400> 9410

gaagaaaggg	gcctcgcac	gtctctgttg	accttgttga	tcggcatggc	aaatgcgctc	60
ttcaaccagg	aggtcacgat	tgataccaca	cctaccgcct	ccaagaggg	catcccagtc	120
aaggccgtta	ctcagatcaa	ggacgtcgca	ttcctccggc	tggtgctcaa	gaaccccagt	180
acaggggcca	tcctcagccg	caatgtatac	tggttgtccg	cgaagaacga	tgtcctggac	240
tgggagaatt	cagactggta	ttacactccc	gttacaaagt	acgtcgacta	caaggcactg	300
atatcgatgc	cgactgctgc	tgtgactgca	tcgctgaagc	ggctgcccgc	caaagacggc	360
ctgtcccagg	tgcaggtagt	cttgaagaat	ccttcagcca	cccctgccgt	gttcatgcac	420
ctgtcagcca	tcaacatgga	cacgcaggag	gagatcaccc	cggatttctg	gtctgataat	480
tatgtgactg	tcttcaaggg	cgagagtgtg	accctgacag	cggcattccc	gggaggtcga	540
agtaattggg	aggtcattct	gtcgggtgca	aatgtgaaga	gaactctctt	gtcgtaa	597

<210> 9411

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9411

aacatctcta	cagcatccaa	ggggtttgtt	gtgccggagt	tatttttcag	tttcgcctca	60
tttcccaccc	tttcaattct	catttttcc	tcctcgcct	cccccttgg	acatcttccc	120
aaccaatttg	atattattct	ccttactttg	gcctggcttt	ggaagtcaac	ctacagcctt	180
cagcccctct	ga					192

<210> 9412

<211> 561

<212> DNA

<213> A.fumigatus

<400> 9412

agaggttctc	taacgaggtc	gatgcagagc	cttctccgac	ggataactac	ggtcagctca	60
agcgaagacg	gcgaaattgc	ggtgctagag	gccacaaagg	ataccggggt	agggattgtt	120
ctcgtgtg	cactgctgta	tggtactgct	cagaataact	ccgagagcgc	tgtgaacatt	180
ctgatcgatg	cgatctggaa	ggcccaggat	gagaacgcgg	gagtgaagat	ggacgactgg	240
gcgagcgcgt	acccgacaaa	caccgaggat	gtagctcgtg	tgtgccgtga	cattgtcatc	300
aaatatgtca	aagaacggcc	acggattcat	gaactgcccc	aggtcctgca	tttctcgtct	360
gaagatcgga	tgaccaagta	cgaaatgtgc	gagaagcttg	cggaggtgct	gggtctttcc	420
ctggcaggga	tgatcaggaa	caagcaaggg	aatgatccaa	acgcatctgt	acagaggcct	480
tatgatactc	acctctcaac	caagggtactg	aaggatttgg	gcattgatgt	tcagacaact	540
gactttgtcg	catggtggta	a				561

<210> 9413

<211> 438

<212> DNA

<213> A.fumigatus

<400> 9413

cgggagcagg	gcgactttcc	gcacccattt	atcgtggatg	aatcgtcctg	gacgctggag	60
acgacgtccc	agcctcccgg	aaaggagggtc	tcggttcac	tggacaagg	caataagatg	120
gaatgggtggg	ctcacgttgt	gacgacggcg	ccgaagattg	atgtgagcaa	aatcacgccg	180

gagaactcga	gtttgagtga	tttggatggc	gagacgaggg	ccatgggtcga	gaaaatgatg	240
tacgatcagc	ggcagaagga	gatgggcggg	ttgactagcg	acgagcagcg	gaagatggag	300
attctgaaga	agttccaggc	tgaacatcca	ggatgtgtgt	cgtcgagact	cggtgtggtc	360
tacgggctaa	tgtcttcgag	agatggactt	ctcgaatgca	aagattgggt	aaggtgggtgc	420
gggtctactg	cttgttga					438

<210> 9414

<211> 441

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (316)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9414

caaactcaaa	caccccttct	catgcacacc	atcatagcgg	tggcaacctc	ccatcttcgt	60
tatgttgtgc	ctgacaacac	cgcttacaaa	atggccgaag	cgtaccactg	gcagcaggct	120
atcagccagt	attccaagga	gctcggttgc	gctgtcggtc	cccacaacat	ggacgcactc	180
ttctccacat	gtctcctcat	gacggtccac	gcggtccaac	tggagaata	caacccccgc	240
aagtcctttg	tcttctccaa	cgatccacaa	accctgagct	ggctcacttt	acagggcggt	300
ttgccgcacc	tcctgnnggc	ttaccaaacc	ctggctgtgc	atcagcatgt	ggtgggacgt	360
cttcatggcg	actcgacagg	agagtcgaac	tttcgaggat	ccccacccg	gacgggaggg	420
tctccacccg	gagctggctg	a				441

<210> 9415

<211> 246

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (80), (81)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9415

acctcaattg	ctgcgactgt	tagcacccgc	ttttttgctg	aatatctttt	ttctgacgat	60
agtgttacg	cgacggctgn	nctggcttcc	tctaacaatga	atcgggcgat	catctgtggc	120
attcccatca	agggatatggc	ttgtaacgag	agccatgccc	cggtcgatat	gtgtaagagt	180
gaatacctga	gttcaggaca	agaatcagcc	accaaattg	tgaacagtat	aataacgcaa	240
tcctaa						246

<210> 9416

<211> 375

<212> DNA

<213> A.fumigatus

<400> 9416

agtcttgtca	gagctcgcgc	catgctttct	atcaaacgca	ctttgctgct	ccttggagct	60
gtcctgccag	ccgtcttttg	cgcgctgtgc	cacgaaactc	gtcgtgctgc	tcagaagatt	120
cctggcaagt	acatcgtgac	cttcaagccg	ggcaccgata	cagctaccat	tgagtctcac	180
actctttggg	ccactgatct	tcacaaacgc	aatctggagc	gtcgtgatac	cactagcggc	240
gaacctcccg	tcggatatga	gaagagctac	cagatcaagg	atttcgccgc	ctacgctggc	300
tccttcgatg	acgcccccat	cgatgaaatc	cgcaagagcg	cagacgtcag	tactcttcag	360
aaccccgaca	cataa					375

<210> 9417
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 9417
 gcactatcgt cagaaaaaag atattcagca aaaaagccgg tgctaacagt cgcagcaatt 60
 gaggtctact ttgctcgttg ccttggtctc agtctgctca cgatcgccac cttgaccatc 120
 atgctgacgg gttccatccc tctcagctca gcgggtttcag aaacgggtctc aaccgaggat 180
 tccgacccta aggtccgta tgccgttccg acattggtag tgacgtccat ctaccatgcc 240
 atttcggcct tttatgcgta cacctggtat accaccaccg accaaggggt cttcgcgggtg 300
 gccatggtgg gatactttgc cgtcgggtcc cttgggttgt ggtgtacact ttttgcaagc 360
 agccaaggga agatcagtcg caagacggga gctgacaaga gaactacggg ttacccattt 420
 ggcaacagag tggcgggagag gaagcatgtc gagaagagtg actaa 465

<210> 9418
 <211> 324
 <212> DNA
 <213> A.fumigatus

<400> 9418
 cgagcgggcg acattttccag agaaagaaac agtattttacg cgttgtacag ggcatacaata 60
 ccaagggttat ctgccacaag ccagcatggc tgctgttcg attggcgtct accgggcctc 120
 cagtctaatt caaacgttat taogatctgc agggccgtta aacatggcat catgtatttt 180
 ttccctctt gccaatctca tgcgactaag tcccgctctag ggggaccctg gctggccgcc 240
 atcaggctag tcaatatcct tgtctcgaat gcgtgcagaa atgccaagaa gaaatcgcat 300
 gaggttgcca agtaccctgt ttag 324

<210> 9419
 <211> 507
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (14), (21)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9419
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 ttagccaagg atccaacagc ctcccggtgtt cttcagcaag ccctaactgc tccaacttcg 120
 acatctcagt tccggcgaca gtttactacg cgcttctcgg gccacctggt agaactcgcg 180
 cttgatagca gtggatccca cgttgtggac gcgctatggc cggcaacgaa agacctgttc 240
 ttcgtgaaag aaagaatggc acaggaattg ctcaacgaag aactgagtct cggggactct 300
 ttcgttggca gagcagtatg gaggaattgg tccatggacc tctacaagag acggcgaggg 360
 gagtgggctt caaaggcgaa aggcctggac agtattgaaa acggccaacg cgagcggcct 420
 aagtctcgca ttgacttagc ccgggctaaa tttgcagcaa aggcggcgga agagagttct 480
 aaggcgccgg tagctgcaaa gacttga 507

<210> 9420
 <211> 831
 <212> DNA
 <213> A.fumigatus

<400> 9420

```

cttctgggtg cagtcgaaga tctcctcctc ccattcatcc agtccgccga cgaaaatcct 60
cttggccttg cgctccagca aaatgggggc aatggaacga atgatacgaa tggtagaat 120
ggacacctga aaagtccacg gacagcttta gtcgattaca aaaatcctga agagcttcgg 180
gatattctgc aattatctct accggagaag ggtaccagac aagagggtt gattgagggt 240
cttcgcaaag tgttgaagta ttccgtgaat acatggcatc agggatttct cgacaaacta 300
tatgcctcaa cgaatgctcc cgggtgtggc tccgagctga ttttggcggc tctcaacacg 360
aacgtgcatg tctaccaggt ctgcgccgct ttgactatta tcgaaaagt tacaggagaa 420
aagttggctt ctctatttgg gctcaacgga ccacgagcag ggggaatttc tgtacaagg 480
ggctcagcat ccaacaccac ctcgattgtc attgcgcgca acaacctata ccccgatata 540
aagaaaaatg gcaatgggga ctacaagttt gtggtcttca ccagcgacca cggccactac 600
agcatcgaga aggcggcaca gatgctgggt ttgggaagca gctccgtctg ggtagtgccc 660
gtggacaagc aaggtcgcat gatcccgga gaactcgaga agctggttcg aaaagctctc 720
caggagaaca ggacaccgtt ctatgttaat gcaactgccg gaacgacggt aatgggctcc 780
tttgacccct tcaatgagat cgctgccatc tgccagaaat acaacctctg g 831

```

<210> 9421

<211> 420

<212> DNA

<213> A.fumigatus

<400> 9421

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ggtcgtgaaa cctccgttct tgccgcgttg tcgagtcgca tagtcccag agccagtggc 60
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ttcggcgaga acttctaag cataacctct tcttctctcc agttacggcc tacaacgaca 180
gaccatgacg caccaccagc atccactggc catggcgacg cggataatct ccatcttctc 240
cgtaccaagc gcatcgcatg tgttgatgt cggcgacgga agctgagatg cgatggaaag 300
aggccgagct gcgggacttg ctcccgatta ggtcatgaat gtgcttacga tgaggttcgc 360
aaaaagagtg gtccaaagcg gggttatgtg aagcagctgg aagctcggct tggtagctga 420

```

<210> 9422

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9422

```

tactatcatg gtggccgcca tggtagcat gtctccatgc tctgcaagaa cttccgactc 60
attccctcgc aggccttgaa catcttggtc gccttatgcg gtataacagg ctccctgtat 120
ggaatgggcc gcaaattgga gcatgtggaa cagttctcga cagccctatt tgtatgtctt 180
ctcaaaccac cttcactcag tctgtgcgc cactcggttt atattgctta cgctcgtgtg 240
tttcatagtg gtggtggctc ggtcagacaa gctacgtag 279

```

<210> 9423

<211> 375

<212> DNA

<213> A.fumigatus

<400> 9423

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ccaatgctta gggcgaaact cgtggacgat ccccaaata aatatgcgtc attgcataac 60
cctctcccta ctcaatttca tgcctatgtg tggcctttcc tgatcatctg gctgccttc 120
ttcgccgtct acctctcccc tgagcgctac gatacatata ttcaagggca agaattggaca 180
ttcgtctggt ctggatcgat catcacggcg cagtcctctc tttggttgat gacaaaatgg 240
aacatcaaca tccaaaccct gttcacccg aacaaaaggc gatccctcaa ctctgcccaa 300
ctcaataaaa ttataccggg ttgcaacgct tgctccgctg aaaatttgcc cttgcattgc 360
gaaaaaattg gttga 375

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<210> 9424

<211> 204
 <212> DNA
 <213> A.fumigatus

<400> 9424
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 cacctagcgc aacatgagcc ttgtgcaaca ctctaccttg cccctgatag cctgctgcgc 120
 actgacgggt ggcgtagtga caattttccg tatcagacaa tgctaacaat tacaaaggca 180
 tctgcctccc tccctacaag ctag 204

<210> 9425
 <211> 984
 <212> DNA
 <213> A.fumigatus

<400> 9425
 aattgcgcta actcttgcaag caatggcaat ctgagagcgc ttccgctcggg cttgctccgt 60
 cctcttcaat accttaccaa gttgccctca gtcagagagc ctccaatatc ggaagagggc 120
 tacagctcct tgaaaccgtt tctgcggttg ttccctggctg gcaatgcgct tactgcggtt 180
 tcgggagaaa tattcgaact cgactcgctc agagtctca gcttgcgga caacaagctg 240
 acggagattc ctctgctat aagaaagctg acaatgctac aagagatcaa tcttgcaagtc 300
 aatcgccctgc ggtgtcttcc ttgggagtta ctatggttaa tcaggaaggg tgacctgaaa 360
 catctgatgg tccgacccaa ccccttctt cagaccaatg atgtagaagt tacaagggtg 420
 tacacgcccg atggcagcga tgcagcatca cgggaggagg cgttgaaagc gtgccattat 480
 gaaggacccc cacctgagga agcatgggccc ccaattcaag tggcgatcag ccccatccga 540
 cgattcaaca tggaaggtat tcccataacg gatggccaaa gcggcgccct accgttgaga 600
 tcatcgagc ataccccgtc ccatgtacc tctgtcgctg aggtatccct cctggctttc 660
 agcaaactct cctattgcga ccagatatcc gaggccgaaa tgatcggtca tccagaatta 720
 atgggttcgcc tcttcgaca ggctaagggt gttagaaatg ccggtggtg aagctgctcg 780
 atatgtcacc ggagcttcgt aattcctcgc accgaatgga ttgagtgggt ggactgcagc 840
 acctacgaaa acgggctcaa gagacctcgg tgtcctgggg agcaactacg cccattgcca 900
 ttctgaagggt ttggttgca ttgggcatgc gttcccgaa cgaagagtc aatgctccaa 960
 gcggaaactg gccacaagg ctaa 984

<210> 9426
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 9426
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 caatttcaca ttactcaaac agaaattttc tcacctcaag tcgacgctat cctgcccttt 120
 ttcaagacag tcattgacaa tcgtcctagc gagctgatgt tccctcgggt cctccacctt 180
 cctgggaccc cgcggctgtg a 201

<210> 9427
 <211> 525
 <212> DNA
 <213> A.fumigatus

<400> 9427
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 gactttgatc actggaagat cggacttgaa catggccgaa tcctatcaca gcagatccag 120
 gaccaaata aagtctatga ggccatgttc ctggaggcct ccaagatgtc ctgggatgct 180
 gtcagaaacc tcgcccagga atttcgtgaa tcactagaga agaaactgcc tgacgtctac 240
 gcggagatgc agggatatgc agagggagcg gggttggatc ttctcgacat tgtggcgctg 300

aactgtcgca	gtgagattgc	catgggcaat	ttttccgatg	gctgcacaag	tctatcctgg	360
aagaaacatg	acaatggacg	agtcctggct	cagaactggg	actgggctcc	cgctgcgggg	420
aagaatatcg	ccatcatgtc	agtcgaacag	cccggcaaac	ccaaagtctt	tatggttacc	480
gaggttagtc	tactctcgca	gtttgtattg	gacaatacgg	actaa		525

<210> 9428

<211> 714

<212> DNA

<213> A.fumigatus

<400> 9428

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ggaattgttg	gaaagatcgg	attcaacagc	gcagggtgtg	gcgtttgtct	caacgccatt	120
cgggcgaaac	cctgcatcag	ttccaagatc	cccatccatg	tggctctccg	cctctgtctt	180
gagagcccat	ctgcccagat	ggcggtcgaa	aggggtctctg	agctaggagg	tatagcttgc	240
agtgtgcata	tcctacttgc	agacagcaca	accgcattgg	gacttgaact	ctcgccattg	300
ggagatgtgt	atctcaagga	agatgtgctg	ggaactgtca	ctcacactaa	ccacttcac	360
gagaatcgga	acgtcattga	gcccccatgg	ctctccggct	ctccgattcg	gttgaatcga	420
gtccgtcagc	tccttcgtga	gctgatcagt	ggcgggaatcg	ctgggtctca	gatcaccccg	480
ggctctcttg	gagacaagat	cttttcggat	acttccaatg	cgccgcaggc	tatctgttgc	540
tcagaggatc	ctgcccgggg	tcctgctgtg	cgatctacaa	ccatcttcaa	catcattatg	600
aatctggagc	aagacaatgt	cagcgcggaa	cttgctgtgg	gccgaccagg	ttctggggag	660
gagactgccg	tgatacgaat	gccttgggca	tatcgacctc	ggattgtggg	ttaa	714

<210> 9429

<211> 222

<212> DNA

<213> A.fumigatus

<400> 9429

tttttaagcc	cttccggccc	gattgacccc	tccacttccg	tctcctatac	actaaatcaa	60
aacatcacat	tcccgctgac	catggccagt	aaggaagggg	ccgcaggacc	ggcctttggc	120
cccgctctcg	cagcagtcgc	tacaatgcaa	ggaaacgttt	cacgaagtga	gaagacacag	180
gctcacgagt	tccttgagaa	attccagaag	tccgtgagtt	ga		222

<210> 9430

<211> 423

<212> DNA

<213> A.fumigatus

<400> 9430

caacgacact	gtcgaatagc	gccactcag	tttcagtgc	agctacgttc	atttaacaat	60
ttcccacgcc	acgtgtcaat	catgtccggt	cgagcagggtg	gtggaggcgc	tcgcaagaca	120
ttgcttgccg	caattcactt	cattttcaag	cttctgcagc	aacgaacgac	tgtttctatt	180
tggctctacg	agcagttggc	gtttaggata	gagggcaaaa	ttaggggtacc	attcattcct	240
ttccttgcaa	cacgttatca	agctaacaac	atgcgccagg	gattcgatga	gttcatgaac	300
ctgggtcattg	atgatgcagt	ggaagtgaaa	atggctacaa	agactgatga	ggagaagcgg	360
agaccccttg	gtatgatcta	ttatcactgt	atatttgata	tcgcaagtga	gtgctattac	420
ttaa						423

<210> 9431

<211> 405

<212> DNA

<213> A.fumigatus

<400> 9431

ttgaatccaa	ccgccacaat	tgctgattcg	gtaggtoctt	tcgaactggc	caagaacgtt	60
gtgcagacat	ccgtcttggg	cgctcacgt	tcccaggcgt	ctcccgatgc	ggtgcgggac	120
ccatctctgc	gcaccagacc	acgcctcggc	accatcgagg	cgatcaggca	gattgttcgc	180
cggtatgggt	ttcgcggcct	gtacacgggt	ttccatctcc	atgcgatgcg	cgacacaatt	240
ggatccggct	tgtatttttag	cgtctatgaa	actgtcaagc	agctggcggc	aaaggaattg	300
gggcgggaca	agtctccttt	tggaggtccg	atgattgccg	gtgccatctg	tagcaccgtg	360
ccttggtttt	gcgtaaggca	ctttttctct	aatgaaacgg	tctaa		405

<210> 9432

<211> 273

<212> DNA

<213> A.fumigatus

<400> 9432

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ctacttggca	agtccaagga	ggtgggcgaa	gcatacagcg	ccgtctccaa	gtcgagtatg	120
tataaaggcc	tatcggatcat	tcttattcgt	acaggagtca	acaatatgat	tctcctgagt	180
atgttcgagt	acattaagat	gcggatcaac	cagttggaag	gcttagcggg	aattgcatgg	240
ttgatttttc	ttgcaaacaa	cggagctggg	ctt			273

<210> 9433

<211> 291

<212> DNA

<213> A.fumigatus

<400> 9433

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ctccctcttc	tggcaagtgt	gaccgcggtc	cgtgtcgtga	atttctccac	gtacaacgtc	120
gccaaacacc	gcattctccga	gtttgtcgag	agaattactg	gcgagtctcc	tctggcaacc	180
tacaacacgc	caggcagcag	tcccactgtg	tccactcttt	tcaccttcac	taccgcgggc	240
ttcattgcag	gcctgatcac	ctctccgctc	gcattgtaagt	ttcgtaattg	a	291

<210> 9434

<211> 1131

<212> DNA

<213> A.fumigatus

<400> 9434

ggaacttcgc	tgctctacta	cctcttcaaa	ggacaagcct	cgttgcaggc	caacctgcgt	60
cagctgaaaa	tgacgtcttc	aaatatgtca	atccgctcat	tggctccacc	aacggcggta	120
acgtcttcgc	aggtgcaagt	cttccctacg	gcctggccaa	agccgtcgcc	gacgtcgacg	180
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1131

<210> 9435

<211> 402

<212> DNA

<213> *A.fumigatus*

<400> 9435

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tggttaccag	actgtcgtat	gagtccttgc	aagggctgga	cgcaaggggg	gtccaacgct	180
gatgtcgtcc	tggcagacgc	ttttgtcaag	aaccttaccg	ggatcgattg	ggacctcgcg	240
tatgaagcca	tggcacaacg	tgcggagaac	gagcccttag	aatggctcgt	cgaaggctcg	300
ggtggcctgc	agagctggaa	gcgcctgaac	tacattcctt	acctggactt	tgattacctg	360
gggttcggga	ccaattcccg	cagcatctca	cgcacctgtg	ag		402

<210> 9436

<211> 735

<212> DNA

<213> *A.fumigatus*

<400> 9436

tattcctaca	acgaattcag	cctggccacc	gttggacgag	gtttgcgcaa	gcgtgactat	60
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ctgatcaacg	gcaccgacac	gggtttcgtt	ggcttcttcc	aaccaaagta	tctcaacgga	180
acctggggct	accaagaccc	catgccttgc	agtgccttgg	cctcatgggt	ctcactaaca	240
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cctaattcac	ctcctcggcg	ggccggacac	cttcatctcc	cgcctcgact	tcttccacac	420
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cgccggccgg	ccggccctct	ccgcgcgcgc	tgtctacacc	tacatccctt	ccgccttcaa	540
cgctccaca	gccggcctcc	ccggcaacga	cgactcgggc	gccatggggc	ccttcaccgt	600
cttcacgatg	atgggcctct	tccccaaccc	agggcagaac	gtgtacctta	tcacccccc	660
gttcttcgaa	gccgtgagta	tcactcacc	cgtgacaaac	aagaccgcaa	cgatccggaa	720
tgtcaatttc	gatag					735

<210> 9437

<211> 690

<212> DNA

<213> *A.fumigatus*

<400> 9437

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cctcccagac	cgaagccacc	gttaacaagg	aaccgcagtt	acgttctctc	cgacatggcc	120
accctaattc	acctcctcgg	cgggccggac	accttcatct	cccgcctcga	cttcttccac	180
acctccggcc	tagcagacat	cggcaacgag	cctgtcttcc	taaccgtctt	ccaataccac	240
tacgccggcc	ggccggccct	ctccgcgcgc	cgtgctcaca	cctacatccc	ctcgccttcc	300
aacgcctcca	cagccggcct	ccccggcaac	gacgactcgg	gcgccatggg	cgcttccacc	360
gtcttcacga	tgatgggcct	cttccccaac	ccagggcaga	acgtgtacct	tatcatcccc	420
ccgttcttcg	aagccgtgag	tatcactcac	cccgtgacaa	acaagaccgc	aacgatccgg	480
aatgtcaatt	tcgatagctc	ctaccggagg	atatatatcc	agagcgcgag	gctgaatggc	540
gagccgtata	ccaagaattg	gatcggtcac	gaatttttca	cggaggggtg	gacgcttgag	600
ttgacgctgg	gcgaggagga	gagtgattgg	gggactgggg	tgggtgacct	gccgccgagt	660
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<210> 9438

<211> 1239

<212> DNA

<213> A.fumigatus

<400> 9438

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<210> 9439

<211> 207

<212> DNA

<213> A.fumigatus

<400> 9439

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<210> 9440

<211> 294

<212> DNA

<213> A.fumigatus

<400> 9440

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ggcgtaacca	atgcgggtgc	tgcgccagat	cgagcggcag	ctgcagaggc	ctcggaacca	240
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<210> 9441

<211> 408

<212> DNA

<213> A.fumigatus

<400> 9441

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aagttggcga	aggatgactt	gatcatcctt	cccgtggta	tctaccatcg	tttcaccacc	360
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<210> 9442

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9442

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cacgaggacc	tagtcccact	accaaccagc	tccactctat	tcatgcagcc	tacttactgt	180
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<210> 9443

<211> 216

<212> DNA

<213> A.fumigatus

<400> 9443

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caccgacttt	ttctcgttgg	ctctaagcga	cccaacaata	tccattattc	cggtagcgtg	180
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<210> 9444

<211> 567

<212> DNA

<213> A.fumigatus

<400> 9444

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ccatcataca	cctacacgaa	caacactggg	taccctatg	agaacgggag	aagtaatgct	540
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<210> 9445

<211> 408

<212> DNA

<213> A.fumigatus

<400> 9445

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caattcgatg	gcgggataca	caatgctccc	gtgagacagt	atgtatcact	tccagtctat	360
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<210> 9446

<211> 483

<212> DNA

<213> A.fumigatus

<400> 9446

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tttgcatcat	cgtcgcgctc	ctccgaatcc	tcctcactgt	cagctactgt	tgtgtctgcc	420
ctcgtgtcct	gcactctgac	atcagtctac	cggcagcgcc	tggaaagtac	acgtcggggg	480
cac						483

<210> 9447

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9447

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acgaaccagc	cctcagaaat	taacctccgt	cgctttgcaa	gcacctgat	acaacactcg	180
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<210> 9448

<211> 1209

<212> DNA

<213> A.fumigatus

<400> 9448

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aagcagaaga	aggatgcgga	tagtgacatt	gaaatgcgat	cagaagccgg	agtcgaagag	180
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<210> 9449

<211> 960

<212> DNA

<213> A.fumigatus

<400> 9449

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<210> 9450

<211> 915

<212> DNA

<213> A.fumigatus

<400> 9450

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<210> 9451

<211> 588

<212> DNA

<213> A.fumigatus

<400> 9451

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<210> 9452

<211> 1893

<212> DNA

<213> A.fumigatus

<400> 9452

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<210> 9453

<211> 213

<212> DNA

<213> A.fumigatus

<400> 9453

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<210> 9454

<211> 480

<212> DNA

<213> A.fumigatus

<400> 9454

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<210> 9455

<211> 603

<212> DNA

<213> A.fumigatus

<400> 9455

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tga						603

<210> 9456

<211> 813

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (423), (440), (607), (650), (776)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9456

gagaatgtgg	acgtatggag	tctaggcatc	atactctatg	cacttctcgc	tggggagctg	60
ccgttcgacg	aatacgacta	tcaagtccac	aataagaaaa	ttcttaccga	agagccagtt	120
ttcaatgata	aattccccga	cgatgccaaag	gccctcatca	acctactcct	ctccaaacgg	180
cctctcatcc	gaccgagctt	agccgatata	ctggctcatc	catttctcgc	agagcatgct	240
ccggagcagc	aagcaattct	taagattgct	cgtccagcgc	ctttctcaac	gcccttggaa	300
aggactaccc	tccagcggat	gaaaagtgtc	ggagtcaatg	tcgacgaagt	catggagagc	360
gtcctggctc	aacgatgcga	tccgctcgcc	ggctgggtggg	ctctccta	tgagaaagag	420

cancggaagg	aggttcggan	ggaacgcaag	cgacgggaac	gagaggccga	ggcgaagaac	480
ttgcgacgac	tcagcgccgc	cagtagccgt	ttggagaaga	tctccgccgc	actccttgaa	540
gtggatgaag	aaggacatgc	gtctccgagc	acattgcttc	aggaacgaag	aaaaagggac	600
aggcgcnagt	cttcctctca	gctcgtctgt	ccggagtttg	caatgctacn	cgagccgggt	660
cctgtgcagc	ccctggactt	gaacaccccg	gttgcaaccac	cgctctctcc	acctactgac	720
aaggactcgg	tccgatctgg	cagctcaacc	aagacgtcgg	ccaagtactc	ccccanaaga	780
caatacgcga	ccgcgaagca	ccctgcatgc	tag			813

<210> 9457

<211> 354

<212> DNA

<213> A.fumigatus

<400> 9457

ccttgcgcca	agcagcgcc	cctactccaa	ccatcgatcat	tcatatccgc	gacagccccg	60
gccgctgagt	actggctatc	cgagccatcg	caattctcta	tctccgtctc	caatcacgcc	120
aaggggctcg	tacagacgat	cctccacggg	gctacgaggt	cgcaaataca	cctcgtcctc	180
tgtatcctcc	atacgaagca	ttcatcatac	gcacactcac	tccaaggcgt	cttctgtttc	240
ctcaaacagc	attggatccg	catcgacccc	gacggctcgg	ccttcgagat	ccccacatgc	300
gtcgataaaa	gttctcccta	cgacaccag	tgcctccgca	cgctttccga	gtaa	354

<210> 9458

<211> 834

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (57)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9458

caaggactcg	gtccgatctg	gcagctcaac	caagacgtcg	gccaagtact	ccccanaag	60
acaatacgcg	accgcgaagc	accctgcatg	ctagtgcgtt	cccacccgga	tttggcacia	120
cataatggta	tcctcaggcg	tcgaactgga	cgccgtcagt	accccatcat	cagtcagctc	180
gcatcgctga	aacattggct	aatggaatct	gctaagaggg	caaagtctcc	tcatacctaaa	240
tcggcggggg	gagggcctcg	caagtctctc	tccgacagac	tgagcccagg	gaaaggacaa	300
gaagttggga	agaaaccagc	gccaacctca	cctaataatcc	cccctgcagg	cgatctggcg	360
actccaacgc	aaatcaagcg	cgcacccaac	gccagtagcc	ttgcgcgaag	cagcgccctc	420
tactccaacc	atcgtcattc	atatccgcga	cagccccggc	cgctgagtac	tggctatccg	480
agccatcgca	attctctatc	tccgtctcca	atcacgcca	ggggctcgta	cagacgatcc	540
tccacggggc	tacgaggtcg	caaataccacc	tcgtctctctg	tatcctccat	acgaagcatt	600
catcatacgc	acactcactc	caaggcgtct	tctgtttcct	caaacagcat	tggatccgca	660
tcgaccccga	cggctcggcc	ttcgagatcc	ccacatgcgt	cgataaaaagt	tctccctacg	720
acacccagtg	cctccgcacg	ctttccgagt	aacattcgcc	tcgtacggaa	tgcaggcaat	780
ggattccgtg	ataccacga	tgcgaacgga	aggatgcaat	ctgttttcaa	ctaa	834

<210> 9459

<211> 423

<212> DNA

<213> A.fumigatus

<400> 9459

tccccgcatac	gcgttacctt	ccagccccgt	cggtgtaaaa	acgtcaccat	gttctttgag	60
tctgtctgct	tccccacat	cgtcgccttg	ggatccgcg	gcctggggcg	ccactacaaa	120
cgcgggtctg	gcttcatcgt	cggcgggtgtt	tgcgggtggtg	ccgtcgtgcc	gccccctctg	180

ggccatgtgg	ccgacatgca	caacagcacg	ggcttcgcta	tgattgtccc	cacgatgttc	240
atggttgctg	cgtggacgta	tgtgtgcgcc	gtcaattttg	tgcctgcgta	ccgcgatacg	300
gtcgacaagg	tcggcgacag	ccagatcggg	ctgaccgagg	gtggcggagc	tggcgtgatg	360
aaggacattg	aggctcgggg	gatggagaag	tcggcggagg	ggtctgttca	aatcgagcat	420
tga						423

<210> 9460

<211> 1326

<212> DNA

<213> A.fumigatus

<400> 9460

gagttctcct	atttccgtac	agaagtcctt	cagcttgacc	aaattgcaca	acggctggga	60
ttcccgtcag	ttgtgcccg	catcgacgg	agcattgacg	atggggccgc	gtcgcccggt	120
cttacacagt	tgagtgttac	tgtgtcggag	attgccttgg	cacgcttctg	gtcgcaccta	180
gggattcgca	tcagcgtgt	tattgggcac	agtcttgggtg	aatacgtgc	ttttgcgggt	240
gccggcgtca	tctctgtac	ggaagctctg	tacctcgttg	gacggcgcgc	acagctgacc	300
gaggaacgat	gtactcaggg	cagccactcg	atgctgtccg	ttcgcgcgtc	cgaggatgat	360
attgaagagc	ttattgcagg	cagccccgac	actgctgaac	tagcctacga	agtgtgttgt	420
cggaacactc	cccaagatac	cgtcatcggt	ggcactcaag	agtccatcga	tagcattcgt	480
caggcccttg	agaaaaacac	tatcaaatgc	acgcagctgg	atgtgccatt	tgctttccac	540
accgccccaa	tggaccccat	tttggactcg	ctggagacgt	tggcgacgcc	gatcacgttc	600
aaggctccca	gcatccccgt	gctgtccccc	ttgctcggaa	gcgttgtgtt	cgaccgcaag	660
tccatccatg	cacagtacct	gcgcgcgcgc	acccgcgaga	cgggtggattt	tgtcgcggcc	720
attgaagccg	ctcaggactt	cggcctggta	gacgccaaaga	cgatctggat	cgatgtcggg	780
ccgcacccca	tttgcgctgg	tcttgtgcgt	ggcatagaca	gctccgcata	cgtgatctcc	840
tcatgccggc	gcaacgagga	caatttggcg	accatgtcta	agagcctgg	taccctccac	900
ctggcggggc	tcacgccctg	ctgggcggaa	tacttcgggc	cccgcgagca	ggagtactcg	960
ttgctgaaat	tgcccaccta	cagctggaat	gagaccgact	actggattcc	gtacattgga	1020
acatggacgt	tggacaaggc	actgctcaag	tacggggaaa	agaaagcccc	tctgtctctg	1080
tccatgtcgc	gcccttcgcg	acttcgcacc	tcgttgggtc	accagatcac	cactgagacg	1140
gttgaggcga	caacggccac	cctccatgtc	ctctctgaca	tgcagcatcc	tgatttccctg	1200
gaggctctac	atggtcatag	aatgaataac	tgcggcggtt	caacttcggt	atgtcattta	1260
ttctacacac	ttcgtacttc	tggcgtatat	gcctgcaagc	aatcgtgtca	ctgtctcgga	1320
cacagt						1326

<210> 9461

<211> 198

<212> DNA

<213> A.fumigatus

<400> 9461

accttgcgct	tggccgcctg	gtgttaccgc	tgcagattgc	tcattgcaac	tggtgacatt	60
atcaacatga	tcctttggct	gctcccgggc	tcgcttgact	gggggcggca	tttccgacaa	120
aggatcgtcc	tcacgtcag	agtcttgaat	tactctatca	aaggacattt	tgtgaaaggt	180
atgtatttag	cctttag					198

<210> 9462

<211> 1332

<212> DNA

<213> A.fumigatus

<400> 9462

tggctgtggt	ggattaatgt	aggctcagta	atgacggaaa	ttggacttgc	gcagcaacgg	60
cttttcgacg	atgctccaca	ttcagctatc	cgcgaggccc	agacagccgc	ttgtggcaat	120
cagccggaca	attgctcagc	acttgccgag	tcttcagttc	cctgaacat	ggcagtgctg	180

aattacgacg	attacaatca	ccacgagggg	agtcctgttg	ctctacaact	tggctcattc	240
gatactccca	catcgcaaga	catggctctc	ctcaatggca	aaaaccacgg	gcacggttac	300
tccaacaatg	acattaccgg	attctacgga	gatcatatac	ggcaagtcgg	gccgctaaat	360
tgttcgtcga	ctcatgacct	ggcgcaatcc	tcaacgtcat	acaacttctt	tgaatcatcc	420
ctgaatcaag	ctgcacagtt	gaatgacgat	ctccagagcc	atctgagatc	aagcggtaga	480
gtgcagacgg	aggccattca	taaaacccca	ggaaggtcac	attccatgca	agctacatct	540
tactctcccc	acgataccga	gccaatctcg	tcattagtga	cgccgaaagt	caatagagtc	600
caaagcgata	gcacttacgg	atctgtctca	tcgcagtcgc	aaagaagcga	atgcgatgag	660
ctcgccgccc	ctgttacagt	cgagataccg	gctgttaaata	tgaagcgcg	gcgcaaaaga	720
aagcaagaca	taccggaagg	cgacgaagat	gatgagcttg	ctccctcaaa	tgatcgagcc	780
atcccagagg	gtggtgaaac	agtgaagaga	aagccaagcc	ggccaccgaa	ggtcgtacgg	840
acgttgaacg	aatctgatga	cgccgggctg	gccaacaatc	agccaaaaga	ccagcctgtt	900
cctaatacgg	aagagattca	agatctaggt	gatacgccac	tgactcctga	tgcaattgaa	960
tcgaacccaa	atgccaacgg	gatatcacat	gtgccagaaa	aggactatct	tcgagttgaa	1020
gttgccaatg	gttcaaaaaga	caatgggaca	gaagtcttga	acgaccagcc	tgccgaaata	1080
agtaccccg	cggcggaagcc	ctcgaaaaag	gcgaaagaaa	tcaagaagaa	aaaactgaag	1140
cgtggaaaga	ctacctcagt	gacgttgaag	aaatcttatg	aatcagatat	cgaagacgac	1200
gtgatctggg	tcgatgaaag	accctcaaat	catatcctac	aagacgaaca	gcctgctcag	1260
aaaccagca	atgaccaaac	atctgtcgat	acaaaagaca	cggaattggt	tcatatccag	1320
ataccaatac	ct					1332

<210> 9463

<211> 510

<212> DNA

<213> A.fumigatus

<400> 9463

agcttgccca	cgctcgtact	aaaccccatc	agcaagatcg	cagaggatat	cgcccgagca	60
gcaccctcag	gacgcagtat	tctagtagat	gcttttgccg	gcgcaggtgg	gaataccatc	120
gcgttcgccc	ggacaggcaa	atggaagcga	gtctacgcta	tcgagaagaa	ccccgccgtc	180
ttgcagtgcg	ccaaacataa	tgcccaggtc	tacggcgtag	cggacaagat	cacatggttc	240
gaggggtgatt	gtttctctat	tctcaagaat	caactcaagg	aactcgctcc	ttatagcgtc	300
atctttgcaa	gtccgccatg	gggtggtatg	ttctttgctt	tttccttcgt	tctggccgtg	360
cagctgtcta	accgctcctg	taggcccttg	gtatcgttcg	gacgaagtct	tcaatctacg	420
gaccatggaa	ccttactccc	tcaaaacgct	gcacaccgag	tactccctat	tcacaaaata	480
catcgctctc	taccttcttc	gaacgtctga				510

<210> 9464

<211> 270

<212> DNA

<213> A.fumigatus

<400> 9464

tggacgagca	ttggaacatg	ggacttgacg	cactgtcgtc	catttgggtc	acctaacatg	60
gcgagcaatt	ctacggatga	agctccgccc	gaggttcac	actacaatta	catcgggcga	120
gtgccgtggg	atattcagaa	gtatgtacta	ccgactgac	ctcggttagg	gtcctctgct	180
gactttctag	ttactggg	caacgatata	agatattttc	gagatacgat	gaaggcatct	240
ggctcaccga	cgacgcctgg	tttgggtgta				270

<210> 9465

<211> 405

<212> DNA

<213> A.fumigatus

<400> 9465

cggacaagat	cacatgggtc	gaggggtgatt	gtttctctat	tctcaagaat	caactcaagg	60
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aactcgctcc	ttatagcgctc	atcttttgcaa	gtccgccaatg	gggtgggtatg	ttcttttgctt	120
tttccttcgt	tctggccgtg	cagctgtcta	acctgctctg	taggccctgg	gtatcgttcg	180
gacgaagtct	tcaatctacg	gacctggaa	ccttactccc	tcaaaacgct	gcacaccgag	240
tactccctat	tcacaaaata	catcgctctc	taccttctctc	gaacgtctga	cgtgaggcag	300
ctggcgaaac	ttgtcagggg	cggcgaaaaa	gccccgtgtg	tgcattattg	catggaaaga	360
gccagtaaag	cgttgtgtat	atactatggt	ggctttgatc	tttaa		405

<210> 9466

<211> 471

<212> DNA

<213> A.fumigatus

<400> 9466

gacggtgccg	gtgggttatac	tggggccatat	gccgacatag	caaacagggc	ttgctggagt	60
ttccacgctc	gaagagccgc	aggatccatg	tcatccgcag	taggagttac	cgtcccgtcg	120
tcctcaaagg	gttcgtcttc	atcctcgctc	atcgtcacgc	gctctgggtc	cggcgcgagc	180
gtttcagcag	gcttgactgg	gaccggtggc	ttggtctcct	cttcctcgaa	gaacaaatct	240
cgagtgggat	ccatctgcgc	tgggtccaggc	gaggacgggc	cctcgccaaa	gaggtcgtca	300
agctcatcgc	cccccggcgc	ctggttggtcc	tgcgcatccc	cgaagagggtc	atcctctgct	360
tcgaacaacc	cttctgctc	atcgccgca	actgccgcca	cgtcctctgt	ggcaagtccg	420
cctgttcggt	cttcttcttc	gggaagggtca	tcgctcgtcga	tgtcttcgta	a	471

<210> 9467

<211> 207

<212> DNA

<213> A.fumigatus

<400> 9467

aattcaacgg	cgtctctatt	ggtatctttc	ccggctttga	gcgggtgggtga	tggagtcttt	60
gaacagttcg	catcttctctc	ggactttttt	tcttggtcta	atgaattttc	caacattttt	120
ggatgcgtct	cccagctcga	cgtgtttgat	tgttttccag	agaggggggtc	tataagatta	180
ataggacctt	ccagtgcac	aaactga				207

<210> 9468

<211> 2157

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (63)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9468

tctggctggt	ctgccttcca	cctttccatc	tcgttactct	cttccttaga	aagcaagctg	60
ccttgccctgt	tcaacctgct	cgagaattcc	tccggacatg	catggctgat	ccgatgccac	120
catgtatgcc	gtgtcatgcc	tcttctcaat	aggtcccaga	gtcaccocga	cgcgggaatc	180
cgtcccttgc	aggcacccga	tacttacttt	tcccgcatt	cccgcctgat	gcccgtctca	240
gatacgtcct	catccagcta	caatgcctct	gtcaaaaggc	ttggatatcg	tcgatttcgt	300
ccctccgttg	catctatagc	cgacattttc	gtcaactcct	tggtcatggc	gagtttctgt	360
cgcgatcact	ctccccgcaa	cagagggtct	tctacagtgg	ctgtcaagac	ttcattacaa	420
aatatggctc	glatgaagg	aaagtgttca	acaaccatca	ggcggctcac	ttctgggaag	480
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cgacgaacat	tcaactcggg	tgtcgtgcag	aaagttaagg	atgatgacca	cggagaaggc	600
tatgggaccc	agaagaatgt	gacaggctta	gaccaacggg	ctgaagacct	cgaagcaggt	660
cgaagtcaag	gatatactag	ccagtcagca	ttacttcgct	cgaagaggaa	gccattcttc	720

cgtgataatg	gtccttcgaa	cgagccccat	ccgagtggtt	ctgaagaatt	gattttctaac	780
caaacgagag	gtcagtttga	tgcactggaa	ggtcctatta	atcttataga	ccccctctct	840
ggaaaacaat	caaacacgtc	gagctgggag	acgcattccaa	aaatgttgga	aaattcatta	900
gaccaagaaa	aaaagtccga	ggaagatgcg	aactgttcaa	agactccatc	accaccgctc	960
aaagccggga	aagataccaa	tagagacgcc	gttgaatttc	aagccgttca	gagatttctt	1020
gaagcagtcg	gggatccctaa	aaaaacaaat	cagtatatct	tccgtctcta	tagagacctt	1080
ccgtcgcccc	gtgtggcgca	cctttcgaag	cgcacccgtg	gccttctttt	gcgtcgaatg	1140
tcccagcctc	ccaatcgctg	ttgggctgat	gcacgccgct	atctcgctat	agtgggaagat	1200
atgattgctg	ctaagcttcc	actgtcgccc	gcgttatgga	catccgctat	acacctggca	1260
ggaagggcga	tgggccaagt	gaagaagcaa	gatctcgtgc	gatcgatcgg	catctggcag	1320
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cgtggcattg	aattccgacg	tgccggcaag	gtctcgaaaa	tttactatta	tggaatgctg	1500
cgcgacgtca	acggtattca	tccgggcattc	gatgagttcc	tagcagcggg	agaaatcgctg	1560
gacacggcgg	tcctcaattg	tctaatagac	tcggttcac	gagctggtaa	aatccggatc	1620
gccgaatcgc	tgtaccaacg	gatgatgcag	gcgcaggcgg	ctgcacgacc	agctggagat	1680
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cggaaagcag	ccaaggagct	taatcgtgct	tttgagatgg	cagctcgtat	taaaaacact	1800
ctgccagcac	accatcgcg	cctgcaagag	tccatcccca	tgagcccggg	cacgcgaaca	1860
tttcacatct	ttctttctta	ccacgcaatt	cactcgggta	atctgcaggc	tttctcgaag	1920
attgtggagg	atatggagaa	gacgttcaca	attccacctc	gtggatgat	atatctgatg	1980
cttttcgaag	gctttgctcg	ccatggcaga	aagaagaagg	gttggaccgc	ggataagtta	2040
cagatcgctt	ggcgatcata	tgttcgtg	ctttacgagt	caaggaccaa	gaatgaatgg	2100
cgacttcttg	catttattga	ccctgccctt	acttgggaga	accccatata	aggggtga	2157

<210> 9469

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9469

aaaatgcaag	ttctccaaga	acaatcgctc	aagaggggca	taataaatta	ctcgctcgca	60
ggggagagct	tcaactcatc	gctcaattac	agcaaggaca	tttaattgcat	ttgtctgttt	120
agcccgccgc	tcttagaact	cgatgctgtc	cctaactctgg	ctgttctgcc	ttccaccttt	180
ccatctcggt	actctcttcc	ctag				204

<210> 9470

<211> 1320

<212> DNA

<213> A.fumigatus

<400> 9470

tgcgagcgag	cggcgaagga	acaagcgaag	caagaggcgt	ttgagcgagc	atacgcaactt	60
gctggcttga	ctgaagagct	ggaagtcctg	aaaggacgct	tgcgcaatgt	tgaagccaat	120
cgtcgctccg	acagacttga	ggcccgggca	aaagaaatga	gcaacgaaaa	tatcggaaga	180
ttatcgctgg	aagaagggga	tctcgcgctc	atgctcacc	cggcacctcg	caggccaaaa	240
cggcctgctg	acgattcaac	gcaatcacca	cttgcggaat	ctacagatca	gcctacggcg	300
caagacactc	ctccaaagag	actaagactt	tcagatgtaa	cccctcgta	aggtgatcaa	360
aatacactat	ccacaaacac	ccagcaagaa	ataatcgata	gcctcgaaga	aatgctcaag	420
catgagagaa	aaatgagact	tgatgccgag	gacatgattg	agtttctgag	aatggagtgc	480
gaattcaaac	gatgctcctg	cagacttgca	gaagaagagg	aacaggccca	tctagtccat	540
gcgcagcccc	gcgaagatgt	cgtagccaaa	gacgaggttc	aaaacatcat	cgaagaacgt	600
cgtgacatcc	gtggccctga	agcccagcat	cattcacgtt	ttgacaaccc	cttgagggga	660
tcaggggcca	cggagcagga	aagaccccaa	gaacaaccag	aggaaactctt	gataactttc	720
tcgcccgtga	cggaactttt	caaatccgtc	ccttctccag	ttcgatctcc	tcctaaacaa	780
ccccaaggca	cagctttcag	tgggctcgaa	tcacgatct	ctcacgaaaa	cctgtcagcg	840

gagcagctgc	tcatacagtc	ttttgaagaa	aggcatatta	atcggcacga	gccgtccttt	900
gacccacg	tgcaagttaa	agaagacccg	ttccaacctt	tcgctccagg	tcttcaacca	960
tccccagctc	gtatcagtgt	cccttgggat	tctccctcac	cacgatacag	tattgaagat	1020
aatcacaatg	cacctacagg	atcagatggg	gcgctcgcgc	atcattctgt	tcccctgcct	1080
ggaacgtcca	tcgatagaga	acaagctcta	gcgcaaattc	gagcacgaag	agggaaaact	1140
agtacattga	aaagatctgt	cagcgctaat	gaggctaccc	ttcgctcagg	aggaggcggt	1200
gtcacacccg	gccgggggtgc	gcaaaggatc	cctggcgctt	agaactcggc	agtgagaacc	1260
gacggggata	aggctgtacg	aagagatcta	agtgtctccg	tcaggatgtt	acgccggtaa	1320

<210> 9471

<211> 939

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (210), (340)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9471

cccggatccg	tttgatagc	ttgcagcaca	gacagtgtgg	ttagcatgaa	aagcgagctc	60
ttgaagttcc	tggttacttt	acgtgcgcca	catagtagaa	acgcagccca	aaaagtattc	120
cgtaaaatct	ccgtcttgct	taaccgaagc	gcgcagcata	acgcgtctca	agcaatttac	180
ctgaaagcca	cacagcgcca	tgccgcgacn	tacaccatcc	tgccgaaggg	cttacaccac	240
atctcccacg	ataacactgc	atctggtgaa	gatgaggact	ccgatgctgc	atctacatac	300
tcataccagtc	cggtcgtcga	gcccctgtcg	tggacacgcn	tagcatacac	atccttcac	360
tggtgggcat	ccgcaggcga	gaagcgtgac	ggactcacgg	aagaagagga	agaagagcgc	420
caaattgagc	aagacacgcg	gctcctagcc	agcttggaag	ccatccccac	cccgccctca	480
ggatctcttg	gccgccattc	catgcaagcg	gaggacgctt	cgcagcctcc	cgaaatcgca	540
ctggtctcct	acttcgctcg	cctgacgacc	cagctcttcg	ttacgttggtc	ggacgtgatt	600
gcccgtcagg	atggttagaga	cggcgaacag	gatgcagaca	ttggcgcccc	gtacgaggac	660
gaatcagagg	aagcggatgc	cgaacctcc	atctccgttg	gcaggggaagt	ttcgcaagga	720
gacgactcga	gacggccctt	actgccatct	ggagccaagt	cttcacctga	ggatgacgag	780
ctggtgacta	tcacctccga	ggatatgact	gagatggggc	tcgatgtgtg	gagtgtttct	840
gaccgcatct	ttgtcgagga	gctgggtgcg	tcatggtggg	gtcgcaaagc	ctacgttgat	900
accgcacgca	ttaagtgtctg	tgggatttca	atcatttga			939

<210> 9472

<211> 324

<212> DNA

<213> A.fumigatus

<400> 9472

cgtggtacct	tccaccgcgt	ggtgaagatc	ttggcaactg	tcgcgttcta	ctttgctaaa	60
acgcggttca	tgctcgcgt	ccagaatgat	aagatgttcc	gctgggacta	cgattatgtt	120
gagtaaggcg	attccgcact	cgactatggg	tacgggtccag	ccagcttcga	aggcgaattc	180
aaccttgata	gcgatgagt	gaccgttggg	tcttcgtcat	ccatttcgtc	cggctccctc	240
agtccagttg	acgaccacta	ctcttggggag	ggcgagactc	ttgcctctcc	tgccaccgac	300
atcgagtctg	gaaggcattt	ctga				324

<210> 9473

<211> 210

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (16), (17)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9473

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gaggtccacg	ttcagaattg	ccaagcttcg	atggcgaggt	ccgacttggc	ctacttaaac	120
accttttagaa	gattgcaggt	cctcccaagg	attaaccaa	caacggtgcg	gttgaaccg	180
agcttcaa	tacgcccatt	tcggaaatga				210

<210> 9474

<211> 390

<212> DNA

<213> *A.fumigatus*

<400> 9474

ccgtcaatgt	ctgggagtat	tctggcgctg	actctttacc	tttttaaagg	ctattggatg	60
ccatatgagg	cagcaaaagc	ggtggcagcg	acgttctgct	ggaagatccg	acatgcattg	120
acaccattat	ttggcctgga	tttcccatcg	atgtgtatcc	accctcagga	ccgaggacgg	180
tttggccgta	tggtcattga	cccggctatt	gtaagaaagg	ccaccgagac	ggcaaaactac	240
taccgcattc	ttgaactcca	gtctccgtcc	tatagttccc	ttcaccttac	ccgcacagga	300
ggcaaatcc	gccggaactc	aacagggagc	tctgggttcg	tgaagcgact	cataccccga	360
tctcatgagc	accgatactc	aggagagtag				390

<210> 9475

<211> 564

<212> DNA

<213> *A.fumigatus*

<400> 9475

aacgctgttt	acatggcgctc	gatagcatct	ttgttgaatc	cccttcccgg	cccgagccaa	60
ctatcatcac	caaccggaac	actggcaagc	tctgcagcca	gtatggcttc	taatacgccc	120
cgtcctaaac	ggcccaaggt	tgccaaagat	gctgcgatct	tcacaaaggc	caagcctagg	180
ggagagggtc	ggatcccccc	ttgtgaagag	cgagacgaag	agctggctcg	aatgcaccgc	240
gaatttcgca	tccatcccat	gggtgatatt	tcagagtatg	caagacacat	acatataaac	300
agtgacaaga	aatcgttcca	ggagcgcaact	ggtcggggaga	gttttgaggg	tgagtcacac	360
agcgaacaac	ataccacata	cccagggggg	gtatatgctt	acaagatctc	tatagtcttt	420
cagtatactt	ttaagcttcc	tggtgacgag	aaagaatgga	tcgtgatgtg	ggattacaac	480
attggtcttg	tgcgagcgac	acatctcttt	aagtgcgaatg	actattcaaa	gggtatacagc	540
acgacttcgg	ctgctagtcc	ctga				564

<210> 9476

<211> 612

<212> DNA

<213> *A.fumigatus*

<400> 9476

agcgactcat	accccgatct	catgagcacc	gatactcagg	agagtaggac	cggctacggg	60
tcgtcctcgc	ccgagtgtca	tggcgacgta	tactgcgtct	ccccagtgag	cccgctccgg	120
aacagcttca	ccccgctcaa	cacaccacga	agctccgaag	tgatcggctc	gaagttactc	180
tcaccgcgag	cgatagccgc	caccaccgcc	cccatgccc	accgagaaca	cacagcagga	240
atgagcagga	attccgggtc	ggacgagaca	ggctcctcga	ccatgtacac	ggagagtacc	300
agtaccagga	cagaggtcct	ctccgtggac	ctcgatgccg	acgacgatga	cgatgacgag	360
gattatcgcg	agaaaagcga	ccgaagcgat	aggggctccg	tcaactcgtc	gattcctgac	420
cataaccgga	agatcgagac	ccgggtccagg	gggaacata	gctctgcgct	gttcgcgcga	480
gaagtcaagg	ccgcgcgatgc	cttgctgagc	ttacacatgc	aagaagccat	gggcagtgac	540

ggcgatgaag agcctctgct gatggcctcg aggggcttga acagtaggaa gagacggagg 600
gcctctgctt ga 612

<210> 9477
<211> 381
<212> DNA
<213> A.fumigatus

<400> 9477
gtaactgctt ctacagcttat caacttttcc gtcgtcacct ttacctatac ccgttttcgg 60
aaagctatga tagcccaagg tattccacga gaatcgctcc catacaagag ttggtggcaa 120
ccctatactg cctatgttgc gctggtttcc acgacagtca tgacttttgt aggcggtat 180
actgtctttc tgcctgggaa ttgggatatc ccgaccttcc tcttctctta tacgatgatt 240
ggagtgtttc cagtcctgta ctttggttgg aagattgtac accgcacaca ggtgaaaaaa 300
ccggaagaag tggatctctt gacaggactc gacgagatcg acgagtatga gagacattac 360
gttccccgaa agccaaggta a 381

<210> 9478
<211> 318
<212> DNA
<213> A.fumigatus

<400> 9478
tccgtgctaa atacaggttg cctcctaggt ctggctgaga tggtcattcta cctgccaatc 60
tcctgcacct ttattcgatt tgccggccgc tatgtcgatg aagcctttgg tgttgccgcc 120
ggctacaact tcttcgtctt tgaggctgcc ctagtgcctt ttgagatcac cgcgtgtaat 180
atgatcataa actactggag cgacgttatc ccagtgcgag gggtcacgtg catcgtgctg 240
gtcctttaca tgtacgtaac atcttctgaa cggcaaaagg ccctgcccac ctggagtcgc 300
ctgaatattg acttctag 318

<210> 9479
<211> 822
<212> DNA
<213> A.fumigatus

<400> 9479
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gcgcttttga aagtattact cagcattggg ttgattctct tcacattcat tgtgatgctg 120
ggcggaacc caaagggaga tgcattcggg ttccgatact ggaacgagcc gggagccttt 180
gcgaggtatt acaaaacggg tgatcttggg cgatggctcg gtttccttgc atgctgac 240
caggccagtt tcaccattgc aggaccgat tatgtgtcga tggcagctgg agaggcagcc 300
aaccctcgcg gagtcttgc taggacatat aacgttatat tgtatcgact cacagcttcc 360
ttccttttgg gtgtgctgtg tatcggcatt cttgtccctt acaatgaccg tactttggcc 420
gaagcctttg ccaagggtt gccgggccc gctgcatctc cttatgttgt tgctatggac 480
agactcggga tcttatctt gccccacatt gtcgacgcca tgttgttgc ggcagctttt 540
agtgcgggga atagttatgt ttattgcgcc agcagaagct tttacgggct tgttgtgggc 600
ggcaaggcac ccgattgtt cactaagtgc actaagcggg gtgtaccgat ctactgtgtc 660
acagttgtca tgttgattgc acttctagcc ttctccaag tatcaaacag cgcactgtgc 720
gtcctggatt ggttcgttaa tctggtagct gccgattccg agactagcat caccttgact 780
tctatctcga aaaaaacaaa gtctctaaca gttggtaggt aa 822

<210> 9480
<211> 363
<212> DNA
<213> A.fumigatus

<400> 9480
 atcatgtcaa ggctgaccc agacacgagt gtccatcaaa catcattgcc gacggctatc 60
 agcagtgata ggtcgtccca cctggccgac gacttcaatt tggccacagc caatttgacc 120
 aaaagaaatg gctgtcctat aacttactca gagaaggcca ctgttgtcga ggatgggtgaa 180
 gaatcaatag gaggcacatt gtcgaagccg acttttgatc atacgcaccg gaagctgaag 240
 cccagacata ttcagcttat cgggtatcggg ggtacgattg gtacagcact ctatgtccag 300
 gtcggtaaaa gtttgatgaa ggggtggccct ggcagtctgt tcctggcatt ttcaatttgg 360
 taa 363

<210> 9481
 <211> 429
 <212> DNA
 <213> *A.fumigatus*

<400> 9481
 gtgtctctct actctgcgcc agtatcatgg cattcagcat tatatacgcc cccgatgcac 60
 tctactcgcc aaatctacct gcctactgag attgttgtgc aaattgtccg ctttgtggct 120
 acagatgaag cccatcgtca agaagcgctt tacgcattgc gcttagtata gcgtcagtgg 180
 tattccgcag ccgtctccct cctgtatgaa aagccccggc tacatatcgg aaactctttc 240
 cagcagtttg tatcaacttg ctcaaggagtc ggtggacgga gaaataaatt gaatctggga 300
 agttttgttc gtgcctgga cctcagtcgg ctggtgcacc atagctccaa cagcgtgact 360
 gcccgaactgc ttggccgagt caaagagaac ctggaagttt tcgtggctcc aagagtgtca 420
 tttgcgtaa 429

<210> 9482
 <211> 801
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (598), (764), (765), (768), (789), (790)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9482
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 ctagcattgc tcaaggacca aggaattccc tttattcttt tgacaaatgg cgggtggaaaa 120
 catgagacag agagagtggc ggagattagt gagaagctca aggtaccatt ggacgcctca 180
 gtcacatcc agagccattc tccttttgcg gagcttgtga aggggccaga tgaacacagc 240
 tctttggagg ataaacgcgt gctagttgtc ggaggtgatg gtgatggctg tcgtcgggtt 300
 gcgagcagc acggcttcaa gaatgtgctc actcctggcg atatttttat ggccaatcca 360
 tccatttggc ctttctccaa agggtttaaa gattactacg agaaatttgc aaggccgata 420
 ccgaacccgc tggaccctcg ggatccaacc agaagggtga agattgatgc catcttcgtg 480
 tttaatgact cccgcgactg gggcttggac gtcacatcga ttatcgacct tctactatca 540
 tcgcagggtg tggtgggtac aatatcggac aagaatgggc gagccgatct cccaaatnag 600
 ggattcttgc aagacggcca gccacatctg tacttttcaa acccccactt gtgggtgggca 660
 gctgcttacc atttaccgcg tttgggccaa ggaggttttc gcgaagcctt ggaaagcaac 720
 tgtggcgcgga attaccggag ggcaatcaaa tgcgtcaagc tgannaanaa gatcttcggg 780
 aaccatacnn aggaactatg a 801

<210> 9483
 <211> 288
 <212> DNA
 <213> *A.fumigatus*

<400> 9483

ataagcaata	tcttttagatc	ggatcaccag	gcaatccaag	ctagccaagc	catgtctgaa	60
agaggctctt	tccgggggtg	togtagccgc	ggcggaggtc	acgacaggtc	tggcggtcgt	120
ggcggtggtc	actcctccca	acacaggggt	ggcgggtgcg	gtggcgggtc	gcaacagcaa	180
caggagaaac	ccaagaagga	gaacatcctt	gacttgtcca	agtacatgga	caaggagggtg	240
aagggtgaagt	ttaatggagg	acgagagggg	gagtttgtca	ccaactga		288

<210> 9484

<211> 261

<212> DNA

<213> A.fumigatus

<400> 9484

agtttaaatg	aggacgagag	ggtgagtttg	tcaccaactg	attgtgcttc	ttgcctacta	60
aaatcgatat	tagttagtgg	tatgctcaag	ggttatgata	agctcatgaa	cctgggtgtg	120
gatgatgtca	aggaaagcat	gcgtggtaag	tactcaacg	acatcaccaa	gctggatgaa	180
gtatctaaca	gtgctattca	gatgatgaag	gaaatgaaac	taccgctcc	cttgggtctca	240
tcgtcgcccc	cggcactctg	a				261

<210> 9485

<211> 420

<212> DNA

<213> A.fumigatus

<400> 9485

cagatttgct	tttgttcaga	tgcctataga	aacgaagact	atgaccgtaa	aatcctggag	60
gaaatggggg	agctaggcct	cctcggcgcg	agcattgaag	gatatggatg	cgccgggtgcg	120
agtacagtgg	cctcagggtt	gatcacaaaa	gaagtcgaac	gggtagactc	aggataccga	180
tcgggaatgt	ctgtgcagag	ctcgctggcg	atgacgggta	tcaacgagtt	cggcactcag	240
gagcagaagg	accgattcct	accgcaactg	gccaaaggga	aactggcggg	ctgcttttgt	300
cttacagagc	ccaaccacgg	ctccgacccc	ggttcgatgg	agacgacggc	gcgcgaacac	360
ccgaccaaga	agggatacta	cttgtcttca	tcacggcgct	ggcaggatcc	acgattaggt	420

<210> 9486

<211> 423

<212> DNA

<213> A.fumigatus

<400> 9486

aatagatatt	cagttcttat	ttgcttttga	ctacttcatt	caccttccct	tctctcgcg	60
tgctttcttt	cgttcttata	agtcatgaac	cggatcaatc	tccgcgcggc	atcgcgccac	120
cttcgatcag	cgaatcgctt	gtataaggct	cccgtggtca	gccataacac	ttcgggtacga	180
gcttattcaa	cagtgtttta	ttgggaggat	cccctcgccg	cgtcggaact	gtatacagac	240
gaggaattgg	cgattcggga	cacagcccga	caatactgcc	aagagcgatt	acttccccgt	300
gtgctcggtg	agccatactt	cgggacgata	tgtgagaatt	ctgctgacag	atttgctttt	360
gttcagatgc	ctatagaaac	gaagactatg	accgtaaaat	cctggaggaa	atggggggagc	420
tag						423

<210> 9487

<211> 219

<212> DNA

<213> A.fumigatus

<400> 9487

tttcggaggc	gggacgatta	tcccggatcc	tctcgacggt	ttacgactta	ttatgacatg	60
ctctcggaac	atcggtgttg	cagatattca	acacggcact	cgggttcttg	gtggctcgat	120
cgaatgggtg	ttcaaagtca	ttgggatcta	gatttcacag	gggtcagttt	cacggagttt	180

ctggatatgg ggtttaccat ggttggtact cgcttttaa

219

<210> 9488

<211> 576

<212> DNA

<213> A.fumigatus

<400> 9488

caagctattc	aggetgctgg	tgccacttcc	ctcctcttcg	tctactctct	cgactacgct	60
cgtaccgctc	ttgccaacga	cgccaagtcc	gccaagggtg	gtggtgagcg	ccagttcaac	120
ggtctcattg	atgtctaccg	taagaccctc	gcttccgacg	gtattgccgg	tctctaccgt	180
ggtttcggtc	cctccggttc	tggtattggt	gtctaccgtg	gtctgtactt	cggcatgtac	240
gactccatca	agcctgttgt	cctgggtggg	tctcttgagg	gtagcttcc	tgcttccttc	300
ctgctcggct	ggactgttac	caactgggtg	ggtattgctt	cttaccctct	tgacaccatc	360
cgtcgtcgta	tgatgatgac	ctccgggtgag	gccgtcaagt	acaagtcctc	cctggatgct	420
gctcgccaga	tcatcgccaa	ggaggggtgc	aagtctctct	tcaaggggtg	tggtgctaac	480
atcctccgtg	gtgttgctgg	tgctgggtgc	ctgtccatct	atgaccaggt	tcaacttatc	540
ctcttcggca	agaagttcaa	gggtggctct	ggctaa			576

<210> 9489

<211> 876

<212> DNA

<213> A.fumigatus

<400> 9489

cgctgggtcg	cgctgctgtc	cattaacaca	aggaactcgt	ctcccgttga	gattgctggg	60
attcttgatt	ataataacca	tctcaacatg	actacaaccg	cgcttcctga	cgcgacagcc	120
ccgtccacat	catcggaaca	ggacgaacca	gctccatccg	aaactgcac	tgtgtcagcc	180
accgcgactg	cactcccata	ctctccggtt	cacgccactg	cccaagctca	accaggaggc	240
accacgggtc	tgcttgccgc	gtctggcagt	gacggacctc	ctctacccac	accgaccaa	300
tcgatagcca	ccccgtgctac	gaaaacgagc	acctcgccct	ctccccctca	gcctggagct	360
cgctcctgat	ctggaattcc	tgacccgacg	actcttccag	ttttgggtgc	atcttcagct	420
ccagctccag	tccctagtcc	tggtcccgtc	ccccaggctc	aacctgaacc	tccaccaaca	480
ccttccgcta	cagccacagg	cgcaactaca	actacaacgc	cagcgaaccc	tatgcctggc	540
cacggctacg	gctacagccc	cgcagccggc	aggtatagct	ccgaattcac	acaccagcc	600
cagggccaac	aattccatcc	acgagcacac	cctcacgcac	aaccacaccc	aaactcaacg	660
tccacaccct	acgcctcgct	ctaccagcca	cccagacac	cgctcacagct	acccctctac	720
cagacccagc	gccctggcgc	cgacgagttt	gattccgccc	acggagacgg	tggtgttcctg	780
gcgagcgcca	agtcgtggat	ggcgagtgcg	gggacgaagt	tggcagaggt	ggaggctgag	840
gtgtggaaga	ggatcaatga	ggctcatgat	aagtag			876

<210> 9490

<211> 1218

<212> DNA

<213> A.fumigatus

<400> 9490

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cagaaaaagt	tcatcaagta	cggcttgact	cagtctgcgt	tagagtctca	tgtgccactt	120
attgagaagg	aggttttggg	ctatctgcgc	gattcaccga	actttcaagg	ctcgtccggc	180
cggatggaca	tctctgcggc	aatggctgag	attaccattt	ttaccgctgc	tcgagccctc	240
caaggccagg	aagttcgttc	caaactcacg	gctgagttcg	ctgacctcta	tcatgacctg	300
gacaagggct	ttactcccat	caattttatg	ctaccgtggg	ccccattgcc	gcataacaag	360
aagcgagatg	ctgctcatgc	gcgcattgag	tcaatctacg	ttgacatcat	caatcagcgc	420
cgtcttgacg	gtgacaagga	ctctcagaaa	tcagacatga	tatggaacct	gatgaactgc	480
acatacaaaa	acggccagca	agtgcctgat	aaagagattg	cgcacatgat	gataaccctg	540

ttgatggctg	gtcagcattc	gtcttcgtcc	atcagcgcc	ggattatgct	gagactggcc	600
tcacagccaa	aagtcctcga	agagctgtat	caggaacagc	tggccaatct	tggccccgcc	660
gggccagacg	gcagtcttcc	tccgctccag	tacaaggatc	ttgacaaact	tcccttccat	720
caacatgtta	ttcgtgaaac	cttacggatt	cactcctcta	ttcactctat	catgcgcaag	780
gtgaaaagcc	ccttgcccgt	tcccgggacc	ccttacatga	ttcctcccgg	tcgctgctc	840
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tacggttacg	gcgcgctctc	caagggcacg	tcaagtcctt	atcttccgtt	tgggtgctggc	1020
cgacaccgct	gtatcggcga	gaaattcgct	tatgtcaacc	ttgggtgtgat	tctggcgacc	1080
attgtgcgcc	acctgcgact	tttcaacgtg	gatggaaaga	aaggagtccc	tgaaactgac	1140
tattcatccc	tcttttcggg	ccccatgaag	ccaagcatca	tccgctggga	gaagcggctg	1200
aaaaacacat	ccaagtga					1218

<210> 9491

<211> 1053

<212> DNA

<213> A.fumigatus

<400> 9491

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gatggaagtg	attggtcagg	gatcaatcag	taccagaaat	ctgatccacc	attctcacct	120
acttcctcga	ctcgcaataa	cctcgcaact	cctccaacct	caggcacacc	cagcgggctg	180
ggtccgaata	atgcgggtgc	gccgaacggg	tccacaaatg	gtgtgagcga	cccaggcaac	240
ccgtcgcccc	cgagctcagt	cgcgccccgg	tctagcagtg	gaactttggc	cgaggatcgc	300
agcaagcggga	cgaaacagat	ggagggaagt	cttgggtcaac	actactttgc	cctgagacga	360
tttcttaatg	catcttatcg	ggatgaaaga	gcgaacagta	aatcaaacia	agcccgagac	420
aagctgctca	ggctttcggc	aactcagttt	caagagctca	gtactgatgt	ttacgatgaa	480
ctcctccgcc	ggcagcaggc	catgccttcc	cccggggcgg	ctggtcctcc	gcgccctgat	540
gtgccgccc	tcttgcttcc	tccggaagac	tttcatgaga	agcgcaatca	agcacgccag	600
aaacttgctg	cccttcaaca	ccagcgggtt	agagacttag	ctacggacgt	cttctgcgaa	660
ctggaacgac	gcttccccca	gtttccggca	cgggaatctc	gccgagccag	ccccgcccc	720
agcttgctg	gacgcccac	aaatggctac	cctccaaatg	gtttcgggtc	taacggttat	780
cctccgcctc	ccggcagtcg	gcgctctcag	tctcgaggcc	ctccaaaccg	catgggaagg	840
ggctatccct	ccggcggtcc	tccaggcagt	ccaatgggtg	ggtatcctcc	ccgccaagg	900
tccttggggc	ggccgcccgc	ggtgaacggt	gacgttggac	cgcaagccaa	gtcattccaa	960
agcaacacga	ttgtcccaaa	taagagtatc	atggtggagg	acgacgacga	tcttcaccac	1020
gaggcggcag	gcattccgcg	taagaatggg	ggg			1053

<210> 9492

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9492

ctacggacgt	cttctgcgaa	ctggaacgac	gcttccccca	gtttccggca	cgggaatctc	60
gccgagccag	ccccgcccc	agcttgctg	gacgcccac	aaatggctac	cctccaaatg	120
gtttcgggtc	taacggttat	cctccgcctc	ccggcagtcg	gcgctctcag	tctcgaggcc	180
ctccaaaccg	catgggaagg	ggctatccct	ccggcggtcc	tccaggcagt	ccaatgggtg	240
ggtatcctcc	ccgccaagg	tccttggggc	ggccgcccgc	ggtga		285

<210> 9493

<211> 738

<212> DNA

<213> A.fumigatus

<400> 9493

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gtcgtagttg atgacaagcg agacttgctg aacgtcgata ccacgagccc aaacgtcggt      60
cgagatgagg acacgagagt tgccctggcg gaagtcttgc atgatactgt cacgctcctt      120
ctggggcatt tcgocgtgca tgctggatac tgtgaagttg gcttcgcgca tcttatcagt      180
aagccagtcg accttcgggc ggggtgttgc gaagatcacg gcctgcgtga tgggtcaaggt      240
atcgtagagg tcgcaaaggg tatcgaactt ccactcttct ttctcaacag cgatgaagta      300
ttgtttgatg ccttcagggg tcaactcgtc acgcttgacc agaacgcgga cggggtcagt      360
catgaatttc gtcgtcatgt ccaggacgtc ataggggaga gtggcgga aaacgacgac      420
ctgtgtagcg ggagggaggt agcggtagac gtcgtagatt tgttcacgaa aaccgcggtt      480
cagaagtctg tcagcctcat caagaaccaa catcttgata tgccgggtgc gcaggtggcg      540
tctacggatc atgtccgcaa ctctaccggg tgtaccgaa acaacgtgct ggcataagtc      600
cagctttcga atgtctcgc caatatttgt gcctccaatg caagcgtggc attgtacatt      660
catgtaatct cccaaggcca taatgaccga ctgaatctga gtcgcaagtt cgcgagtcgg      720
cgaaaggacc agagctga                                     738

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<210> 9494

<211> 525

<212> DNA

<213> A.fumigatus

<400> 9494

```

gctttgcggc gactactatc acgtgattcc agcagtggca ctgcgcgcgc aaactcaagt      60
tgcgctcaca aactatcaca tctccagacc aaaatcagtc aagctgatcg cattctctac      120
aagcttcctg gaacagacaa aatggctgac ggtattgatc gacgaacgga tgggtatgca      180
ataatggaac tttttgaaga gatttgggct aacggcgcaa attcagacag gctggagttc      240
agcacctcga aggaggtcac ggttgccccg accttcgagg atatgcacct gaaggaaagc      300
ttacttcgtg gtatttatgc ttacggctat gaatccccct ccgccgtcca gtcccgagca      360
attgtccaga tttgcaaggg tcgtgacacg atcgctcagg cgcaatctgg tactggtaag      420
accgccacat tctcgatcag tatcctgcaa gtcacgcaca ctgtcgtgcg cgagacacaa      480
ggtatgtcac ttaatactcc tctgtgctg gtgaagcgat cctaa                                     525

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<210> 9495

<211> 858

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (853), (855)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9495

```

ttagtatcag ctctggctct ttcgccgact cggaacttg cgactcagat tcagtcggtc      60
attatggcct tgggagatta catgaatgta caatgccacg cttgcattgg aggcacaaat      120
attggcgagg acattcgaaa gctggactat ggccagcacg ttgtttcggg tacaccgggt      180
agagttgcgg acatgatccg tagacgccac ctgcgcaccc ggcataatcaa gatgttggtt      240
cttgatgagg ctgacgaact tctgaaccgc ggttttcgtg aacaaatcta cgacgtctac      300
cgctacctcc ctcccgtac acaggtcggt gtcgtttccg ccactctccc ctatgacgtc      360
ctggacatga cgacgaaatt catgactgac cccgtccgcg ttctgggtcaa gcgtgacgag      420
ttgaccctgg aaggcatcaa acaatacttc atcgctgttg agaaagaaga gtggaagttc      480
gatacccttt ggcacctcta cgataccttg accatcacgc aggcctgat cttctgcaac      540
acccgccgga aggtcgactg gcttactgat aagatgcgcg aagccaactt cacagtatcc      600
agcatgcacg gcgaaatgcc ccagaaggag cgtgacagta tcatgcaaga cttccgccag      660
ggcaactctc gtgtcctcat ctcgaccgac gtttgggctc gtggtatcga cgttcagcaa      720
gtctcgcttg tcatcaacta cgacctacc accaaccgtg agaactatat ccaccgtatt      780
ggtcgaagtg gtcgtttcgg aagaaagggg gtcgccatca acttcgtcac aagcgttttt      840
gtgcgcatgc tcngngac                                     858

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<210> 9496
 <211> 402
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (57), (111)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9496
 tgctcaaagt gtaacacctc agcgcgaacc cccaccacat caaggaagca gcaccntca 60
 gtcgaaccat cctcaacctc cctccagtc aacctcagc cagccaggtg ntgcccctca 120
 accccatctg acaccaaacc cgcgcccgca acagttgccg caggctcagc aaccggcca 180
 gcagccccac cagcagccac agcagccacc gcagcagcag ccccagcaac agcaatcaca 240
 acaggggcaa ccgcaaggcc agcagcaaca aatgacctc caggaagctc aaatgaaggc 300
 ccagcagact cagaatcaag ccgccataat gatgcagcag aggatgggca tgaaaggcac 360
 ttcgattctg gccttgctca cttttgcgga gcacttgagt aa 402

<210> 9497
 <211> 807
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (344), (398)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9497
 aggctgctca ataagccgca atgcaagcga attcggggaa tgcgaccggt aaatgtacaa 60
 atgcaccttc aacaaatgct tcatggccat cagaacatcc agcaacagca gcagcagttc 120
 tttgttatgc agcaggccca acaagcgcta caggcacatc aggcgcagca agcccaacaa 180
 gccagcaag atcaacaagc cgcagcggcc gccgctgcag ccgcggcgca accgggtcag 240
 catacaccgc agcagcgtca tgcagcacat cccagaata tgcattgatgc tcaaagtgtg 300
 acacctcacc cgcaaccccc accacatcaa ggaagcagca cccntcagtc gaaccatcct 360
 caacctccct ccagtcaacc tcagcagcag ccaggtgntg cccctcaacc ccatctgaca 420
 ccaaaccgca ccccgcaaca gttgccgcag gctcagcaac ccggccagca gccccaccag 480
 cagccacagc agccaccgca gcagcagccc cagcaacagc aatcacaaca ggggcaaccg 540
 caaggccagc agcaacaaat gacctctcag gaagctcaaa tgaaggccca gcagactcag 600
 aatcaagccg ccataatgat gcagcagagg atgggcatga aaggcacttc gattctggcc 660
 ttgctcactt ttgcggagca cttgagtaac tttaccgtac gtcgaacctt gtcgcaacat 720
 gogaatgctt atagagattg tgctaacttg ataacagagc cgcggcgagg ctcaggattt 780
 gctgtatttg caagcatttg tcgataa 807

<210> 9498
 <211> 390
 <212> DNA
 <213> A.fumigatus

<400> 9498
 cagagccgcg gcgaggctca ggatttgctg tattggcaag catttgctga taaattctat 60
 tctccggttg gtgttcttcg acaaggggtg tacaatcccc aagcgggttc gaaacaattc 120
 gagatctcga cgcagccct agcacggtag tacctgactc aatttaccag tggaatccgt 180
 cagattcaga tgctgggtga aggtgcgcgc gagagagatt cgcctaattg tggctgcatt 240

gtggaaagtc	gcagaacgtc	gtttatctac	tggttcacca	atgagtctca	ggttcgtcta	300
ctgtttggtc	gtctggatgt	gagacatttt	gctaacttcc	cgaaagctat	tcaccaacgg	360
gacacttata	gctcacttcg	atcacaataa				390

<210> 9499

<211> 540

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (267), (321)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9499

gcaaggccag	aatcgaagtg	cctttcatgc	ccatcctctg	ctgcatcatt	atggcggcctt	60
gattctgagt	ctgctgggccc	ttcatttgag	cttcctgagg	ggtcatttgt	tgctgctggc	120
cttgccggtt	cccctgttgt	gattgctgtt	gctggggctg	ctgctgcggt	ggctgctgtg	180
gctgctgggt	gggctgctgg	cggggttgct	gagcctgcgg	caactgttgc	gggggcgggt	240
ttggtgtcag	atgggggttga	ggggcancac	ctggctgctg	ctgaggttga	ctggagggag	300
tttgaggatg	gttcgactga	nggggtgctgc	ttccttgatg	tggtgggggt	tgccgctgag	360
gtgttacact	ttgagcatca	tgcatattct	ggggatgtgc	tgcatgacgc	tgctgcgggtg	420
tatgctgacc	cgggttgccg	gcggctgcag	cggcgccgcg	tgccgcttgt	tgatcttgct	480
gggcttggtt	ggcttgctgc	gcctgatgtg	cctgtagcgc	ttgttgggcc	tgctgcataa	540

<210> 9500

<211> 297

<212> DNA

<213> A.fumigatus

<400> 9500

ctcttactgg	gtgataaaca	acctgcggat	aggataagca	ctaattcggg	tttcaccgca	60
tcttacgcca	ttatcatcat	tcaaattacc	ggtcagaatt	cggctgatct	gctagtgtac	120
ataatacact	cgatcaccca	gaaaagcccg	ttttcagact	acatcatccc	agctagtatg	180
ctcggcatgc	ctgaacaagg	caatatgtgc	cgatgtctac	tgcttggcct	tagtataact	240
ctcacaccgg	ttggacagtg	ctggcgagct	gatgcgccag	tcttcacgac	ggaatag	297

<210> 9501

<211> 252

<212> DNA

<213> A.fumigatus

<400> 9501

gatgatccct	ctcagatggc	ggcaatgctg	tcgtatctgg	gtgtgacatc	ccatgatagt	60
cggatggttg	gaattgagaa	taggaacatg	gaggggcaaa	ttccgctgat	tcctacattc	120
ctgggtttta	gctatgctct	tgatgaacac	actatcgaga	ttgacgacga	gacgctattg	180
gacagtaatt	tagtttatca	gccccctgtc	tttcccactc	acggatgcag	cacctccggt	240
caaactggat	ag					252

<210> 9502

<211> 333

<212> DNA

<213> A.fumigatus

<400> 9502

gctgtttctct	tcgctctgtg	tgttacgcgg	tcggtttccg	cgacctatt	tgtttaatttt	60
-------------	------------	------------	------------	-----------	-------------	----

accaattacg	cagccgaaga	ctgtgctatc	cgctacggtt	catctatgct	tgtcccgacc	120
tatttgttca	atatcgagga	ctttcccatc	aagagttacg	gggcgtcggg	gagttctgga	180
gagtgtgacg	attcttccac	gtctccggtc	ctgaacgtgt	tcacggaggc	tgggtgcaat	240
actggactat	tcaacactgt	cgcttgagt	acggagccga	tatgcatcaa	tgatgagacg	300
actgtgttaa	gtgtcagcgt	ggcttgcgtc	taa			333

<210> 9503

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9503

gacgactgtg	ttaagtgtca	gcgtggcctg	cgtctaagtc	tgaagctttg	gggtgctgga	60
ctacagagct	cctttttgac	tgtcagtc	catgtctaca	ttgaagcttt	caaacaatat	120
ccgaaggact	tacagtcg	tactactgac	ctgaatatgg	atactgaatt	tctaccaagg	180
ttataa						186

<210> 9504

<211> 417

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (8)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9504

attgcctnga	tcaacttttt	caaggactgg	ggaatctccc	catcagccgt	tgtagtcaac	60
tgcagcggcg	aggtgattgc	ggcgtatgcg	gcgaacgccc	tttcaacttcg	tacggctatc	120
atcttcgcat	acctgcgtgg	acgatgcgtg	tccaagggtct	atcttcaggc	ggcatgggtg	180
ccattgggtt	ggatgaagcg	tctctcaagc	ctattctttc	cgaaggggtg	ggtgtcgcg	240
gcgtcaatag	ccccagagc	gttaacctct	ctggggacaa	gacaaggctg	gccgcggtg	300
ttgacaggat	caaggcggac	aagccagaaa	cctttatacg	atatattcca	gtacctgtgg	360
cgtaccattc	gcgtgagctt	aacctgttt	ttgtcacctt	ttgttacctc	gcaatag	417

<210> 9505

<211> 507

<212> DNA

<213> A.fumigatus

<400> 9505

ctaataaaat	taacagccga	tctgcaacca	gcggcagcca	ttctcaagtc	agaagttgcc	60
ccctttctcc	agcacaacga	atcaatgctg	cccatgtact	ccactgtcac	cggcaaggcg	120
ataccaaacc	cggctgccct	cgacgcagag	cattggcaga	aaaaccttga	actccctgtt	180
ctgttttcga	ctgcggtgga	tggtgttctg	gccgagcgtc	ctgagcgccg	aaagatcttc	240
ctcgagattg	gaactcattc	catccttttc	ggaccactcc	gccagatttt	cacctataag	300
tgcagtgact	gtgtctatct	tccgaccctc	atcaagtcag	agagcgagac	gttctgccta	360
ctcaagacag	cgggccagct	gtatctccat	ggacatcccg	tggactttca	ggctgtaa	420
gggaacggac	acattgttac	caacctgcct	gcataatccct	gggacagaaa	gagggtaa	480
tggcagggaa	agccgtttta	gccataa				507

<210> 9506

<211> 1854

<212> DNA

<213> A.fumigatus

<400> 9506

actggcaggg	aaagccgttt	aagccataac	tggcggtttc	gcgtgtatcc	gaatcatgag	60
ctcttgggct	cggaatgct	ggaggcaagt	gatctcgagc	caggatggag	gaacgtgctt	120
gaatccagac	atgtgccatg	gctgtcggat	caccgtgtct	caggggaggt	tgtgtttccg	180
tgcgccgggt	acattgccat	gattcacgaa	gctatgcgcc	agctgtcgaa	caataacgag	240
tgcaccattc	aaaacctttc	catgcagggt	ccgttgattg	tgccccgggt	agagcctatc	300
gaaattctta	caaccgcca	acgcacccga	gtcaatgata	gcgtagaatc	tgattggttt	360
gagttcgcca	taatgtcgta	taacgggacc	gaatggattc	ggcatgcctt	tggtcgagcc	420
aaatccggcg	tcgacaaggt	cgattccgaa	ccacgtgtgc	cccagactt	ccctcggcgc	480
gtttcatcag	agctatggta	tcggacgctg	gagaagggtg	gattgagcta	tgggcctact	540
ttccgaggac	tacaagaaat	cactgccgac	ccttcaagac	atgtggctgc	ggcttcgatg	600
cgcgcccgcc	aagatagcaa	ggctgtccat	ccgacagtaa	tcgatgagtg	tctgcagtta	660
ttcacccgtag	ctgcatgcaa	ggggagagca	gtaaatatga	ccagactcta	tgtgcccgtg	720
tttgtgggag	aggttcaact	cggattgggt	caagaaatca	tgagagcgga	agcgacgata	780
agcaattgga	cagcagaact	aggcagcggt	aatgtgcggt	tgatagctat	ggaccaacaa	840
gacgcctcta	tcaagcgagt	actttcgatg	gcgggcgtta	cgggtgcccc	gctcgacagc	900
aataaagag	cagtcagcga	ggcagacttt	cccttagcat	cacacgcaga	atggcgctct	960
gatattgata	tcctaaacga	gcaaaggcta	acgcgacact	actcccagtc	tactgaagct	1020
ggctttgctc	tgattgccaa	actgtccgct	ctgtctgtta	ttcaggtgca	tcgacggatt	1080
gccgatgtga	caccattttc	cccatcgctg	gcaaagtacc	agaagtttat	cagtactcag	1140
attgcagaaa	tccagggagg	gtctttttgc	ggggttcctg	aagctgcata	gtggctcaag	1200
ttctcggacg	aatctttaca	gcgccagcgg	gccgcttttg	acgaggggct	ccgaacaagc	1260
aagttggcat	gcgttttctc	gctgagtaac	tggatcgtgg	agaccgttcg	gaatgtcata	1320
gatggatcgc	ttctgccgtc	tgattttccg	gctgccatac	aggaacagat	atggcagtgt	1380
gagagcttgg	ttgcttcgat	gacggatctc	tcccactggg	ttggccttct	ccggcactct	1440
aatcccttgt	tgccgatcct	tcataattgcc	gagggaaagg	gagtgggtatc	ccatcagggt	1500
cttgagcatc	ttgattccga	agatctcca	ttctactcga	agtatacata	cacgagcacg	1560
aacgatatca	gccagccgt	acaagaacac	ctcaaagagt	acaaggaagt	gaacttcaag	1620
agccttgata	taactaagga	tcctcgtcag	caaggctttg	aagaaggagc	gcatgacttg	1680
attatagtgt	caaattttctg	tgatgttgat	ttcagtgcca	tatggcattc	caggctgctg	1740
acagctttcc	cagacgaacg	ttccaccttc	tcagttgcaa	actgctcttc	aaaacatcaa	1800
aatgctcctt	gtgccgggag	gccgagttct	gcttcatata	ccaaatgcag	gtga	1854

<210> 9507

<211> 585

<212> DNA

<213> A. fumigatus

<220>

<221> unsure

<222> (6)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9507

tgctngatc	aactttttca	aggactgggg	aatctcccca	tcagccgttg	tagtcaactc	60
gagcggcgag	gtgattgcgg	cgtatgcggc	gaacgccctt	tcacttcgta	cggctatcat	120
cttcgcatac	ctgcgtggac	gatgcgtgtc	caaggctctat	cttcaggcgg	catggtggcc	180
attgggttgg	atgaagcgtc	tctcaagcct	attctttccg	aaggggtggt	tgtcgcgtgc	240
gtcaatagcc	cccagagcgt	taacctctct	ggggacaaga	caaggctggc	cgcggtggtt	300
gacaggatca	aggcggacaa	gccagaaaac	tttatacgat	atattccagt	acctgtggcg	360
taccattcgc	gtgagcttaa	ccctgttttt	gtcacctttt	gttacctcgc	aatagcta	420
gaaattaaca	gccgatctgc	aaccagcggc	agccattctc	aagtcagaag	ttgccccctt	480
tctccagcac	aacgaatcaa	tgtgtcccat	gtactccact	gtcaccggca	aggcgatacc	540
aaaccgggct	gccctcgacg	cagagcattg	gcagaaaaac	cttga		585

<210> 9508
 <211> 231
 <212> DNA
 <213> A.fumigatus

<400> 9508
 agttttacgtc tgcaacgcgt ttctccatct ttcaaaatgg cgactgaaga tcttatcact 60
 cttacatata aagagcgtat tgcgatcatt acattcaacc gccccgagaa gcttaacgct 120
 cttaatgcag acctctacta cctgctcggt gagcgggttac gggaaattga gaagcgagac 180
 gacatttttca tcaccatcct gacaggaact ggtcgttact tctccgcgta a 231

<210> 9509
 <211> 648
 <212> DNA
 <213> A.fumigatus

<400> 9509
 cgtcccatta gcgagcagcaga cgtgaactcc acccggccag gcggcggcct gaacagcgac 60
 acccggcgag agatcactcg gaccttcgtc gtcaacaacc tcgatctcac ccgcactgtc 120
 tacaaccacc ccaagatcct tgtcgccgca ctcaacggtc cagcagtcgg tctctccgca 180
 gccctcgtcg ccttcgcaga cttcgtctac gccgccccgc acaccttcct ccttacccca 240
 ttctcctccc tcggcctcgt cgccgagggc ggcgccctccc gcgcctttgt agagcgcttg 300
 ggaatctcca aggccaaacga agcgctcatc atgagcaagc ggatcacctg cgaggagctg 360
 gtggccaccg gcttcgtgaa caaggctcatc tccgctcgt ccggtaaac ccgatgactcg 420
 gagggcttcc ttaagaagggt tcttgaggag gttgaggatc gtctgggtac gcatctgaac 480
 cagtcgagtc tgctcaagat caaagagctc attcgtcgtc cggagcggga gctgcttgac 540
 cgccagaata cttatgaggt gtttgccggg atggagcggg tcgtgaaggg ttatccccag 600
 gaggaatttc gcaagttggc ctcgggtgag aaaaggcata agctgtag 648

<210> 9510
 <211> 474
 <212> DNA
 <213> A.fumigatus

<400> 9510
 atccccgaag cgcaccagc gtgtgtgggc tatcggacat caacccttgg gcggaacaga 60
 accgaccac ttttgttcag ctgcttgga attctgcaga tgaagaacct tatcggaatt 120
 aaggaagagg acacagatgc tcccgaggaa agctttgttc gactgtctct caacggagca 180
 accccacag tgggtggagg aaacagagat gaggactccg aatcagaaaa agatgttgga 240
 agcgagacg atggggacga ctgcgcgttc ctcccggaat tccgtctcgt gaaacgtgat 300
 gaccagagg catattcttt tagtacgctt cagtactccg cgcacaagtt gcccacagag 360
 gttgttgatg cgtctcttgc tgggtcaggt ggcgatgagt agtttttggg taaatggcag 420
 gacattctag ccaagcagac acaggaggat acggacagtg acgatggacg atag 474

<210> 9511
 <211> 834
 <212> DNA
 <213> A.fumigatus

<400> 9511
 cccgtgacaa caatgacctt attcactacg aaccaccaa cgccttcgc catgtcttcg 60
 caccagtata ccttaccagg catgcatgat gtccccgaga cctatccata ccacatgaga 120
 gtagatagcg aggaagacat ggacagcctc tacctgtcca gtgcgccaga gccctcatat 180
 acacgcctcg acttcgagcc gaccatacca gccatgccaa cgagccaagc ctacaacacc 240
 accatgcgag caccatgag cggatcctac ctcccctaca gcgaccaatg gacctcccaa 300
 gtccccccaa cggcagcagc ggcacctaca acaacactat accacccac cgacatctac 360

ccatcctcaa	caatgacata	caccccgcaa	agaacagccc	ccactgccct	caaccccaac	420
ccgcaaacct	acttctaccc	ggacccttca	acaaacacca	acctcgacct	cgacctgaaa	480
ctaccctcct	cagacctcga	caccaaagac	ctaaccaact	acggcatccc	caaccccgac	540
ggctcctgga	gctgcgccta	cccaggatgc	acctcgactg	cgacgttcca	tcgtggctgc	600
gacctccgga	aacacttcaa	tccggcacgg	aagcatctgt	tctgtcggca	cgagggtctgt	660
ccgcaggctg	ttacggggcg	gttctcgagc	aagaaggacc	gctcccggca	cgaggcgaag	720
cataaccccg	gggttgtgtg	tgagtggccg	gactgcggga	gggtatttag	ccgggtagac	780
aacatgaagg	atcatgtgcg	gcggattcat	aagagggggg	aggtttactc	ttga	834

<210> 9512

<211> 252

<212> DNA

<213> A.fumigatus

<400> 9512

tcactagttt	ggttttgtct	tttcacacct	actataggga	tgcttatatt	atttattagg	60
gttaataagt	ctaaccaga	cttaactaat	actatagtaa	ttagttagc	agaggatcc	120
aaacatccat	ctatacagag	ctattacctg	ctaagtatta	ctgtagttag	gcaggacctt	180
aagagtaatc	ttttacttac	ctacatcatc	aaccaaggca	ctgtagtgtc	tggtctggata	240
gttagaaggt	aa					252

<210> 9513

<211> 1047

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (371), (870)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9513

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ccaatcctcg	agcactatgt	ctaccaaac	ttcatcgccg	tcgcctgggtg	taacgccatc	180
gacttgatcg	tcctctgctt	caacaccttc	aagcgctact	ccggccccta	cttctgggtcc	240
ctcctcgtgt	cctccttctg	catcatcccc	ttcggcctcg	gctacgtcct	caagatctac	300
agcatcacct	tcacaaacta	cttcctcgag	atcgccattc	tcgatgccgg	ctggtcggga	360
atggtcacgg	ngcagtcgct	cgctcctctg	tcgcggctga	atctggtgct	cgacaaccgc	420
cgcgtcttga	aagcgtgct	atacctgatc	atcgtggaag	gggctgtgct	gcacaccgcc	480
tgcaccgcgc	tggagtttgc	gacgaacgcc	ctgccgtcca	atggcgtagc	tatcgcgttc	540
gacgtcatgg	agcgcgtgca	gcttgttggc	ttctgtctgc	aggaattgct	gctctcgggg	600
ctgtatatct	acaaggcgg	gccgctgctg	aagatggatg	cggatcgctc	ctcgcgggga	660
gtgttggtgc	agctgatcgt	catcaatgcg	gttattatgg	cgctggatgt	gtcggctcgtg	720
attgtgcagt	acctgggggt	gtttaccttg	caggttacct	ctaaggcgtt	ggtgtatagc	780
attaagctga	agctggagta	tgttattcta	gggcggtctg	tggtatgtct	gcgggtgcgc	840
tcgccggccg	cggcgcggt	gaggttatan	tttggtatat	ttcttgtcta	tatctataga	900
tttctccttg	tccatattat	cttgtctata	tataacattg	tctatataag	gttgtctact	960
ccgacctcgc	gctcttggtc	ttcttgctcc	tcaacttcat	catcagaaac	accatcgcat	1020
agcttgaaac	gcaaaagagc	gccgtaa				1047

<210> 9514

<211> 540

<212> DNA

<213> A.fumigatus

<400> 9514

aacgcaaaag	agcgccgtaa	tcccgggtcta	cgccgtcagt	atcggtcttg	ttactcgcaa	60
cgggggaaga	cttacatctc	tccaagagta	ataccgctcc	ttcaggttaa	acgtccgcgc	120
atagtcgcgc	ccagtcgaat	actgacagaa	ctcacaagcc	gtcgcattcc	catcaaccag	180
atatcccggc	ttctcagcca	ggaacgcagc	catgtactcc	ccacacgtct	gtcccagcgg	240
cgcacgaaat	cgcaccagct	cagacgggtc	acagcgcacc	tccacatccc	agaggacctc	300
acccagcagc	ccgccaacca	ggtacgtgaa	cggatcgagg	tagtacagcc	agtcgcgcca	360
gaacggctgc	atctgcgaaa	agggcaccac	cacgccgcag	aagctgacca	gccccgcgcc	420
gatcagcacg	gggttcatca	ccgccgcgaa	gtactcgttg	ggcgcgtacg	ctgcgatccc	480
ctgtccgata	gacgtgtaca	ggaactcgta	gaagatcatc	tgcagatata	tgtgtcctga	540

<210> 9515

<211> 702

<212> DNA

<213> A.fumigatus

<400> 9515

agatccgcgt	acaacatcat	tcgcttcctg	aggaagctcg	tcgacggcgg	ccaggcgggtg	60
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ctcgcgcgcg	gcggaagat	ggcgactttt	ggcgaaacgg	gcaaagactc	gcagaccgtg	180
ctggactact	tcgctcgcca	tggagccccg	tgtcctccgg	acgagaatcc	cgcagagcat	240
atcgtcgagg	tgattcaagg	caacactgac	aagcccacgc	actgggtgca	agtgtggaac	300
gagtcgagg	agaaacagcg	cgcgctggcc	cagttgcaga	ccctcaacgc	ccgcggcaaa	360
gccgacgcgg	actacgtcga	agacacagcc	gactacgcga	cgtcaaaatg	gttccagttc	420
accatggtga	cgaagcggct	catggtccag	ctgtggcggt	cgcagacta	cgtgtggaat	480
aaggtcattc	tgcattgtgt	tgcggcgctg	ttcagcgggt	tcaccttctg	gaagatcggc	540
gacggcacgt	tcgacctgca	gctgcggctg	tttgccattt	tcaatttcat	tttcgtggcg	600
ccagggtgca	tcaaccagat	gcagccgttc	ttcctgcata	accgagatat	ctttgaagcg	660
agagaaaaga	aggtactgtc	gtatccccta	tatactcctt	ga		702

<210> 9516

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9516

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accgatactg	acggcgtaga	ccgggattac	ggcgctcttt	tgcgtttcaa	gctatgcgat	120
ggtgtttctg	atgatgaagt	tgaggagcaa	gaagaccaag	agcgcgagggt	cggagtagac	180
aaccttatat	ag					192

<210> 9517

<211> 645

<212> DNA

<213> A.fumigatus

<400> 9517

tccaaaatct	accactggct	cgccttcctc	ggcgcgcgaga	ctgtctccga	aatcccctac	60
ctcattctct	gcgccaccct	ctacttcgcc	tgttggtact	tcaccgcggg	attccctacc	120
acggccagca	tctcaggaca	catgtatctg	cagatgatct	tctacgagtt	cctgtacacg	180
tcgatcggac	aggggatcgc	agcgtacgcg	cccaacgagt	acttcgcggc	ggtgatgaac	240
cccgtgctga	tcggcgcggg	gctggtcagc	ttctgcggcg	tgggtggtgcc	cttttcgcag	300
atgcagcgtg	tctggcgcgga	ctggctgtac	tacctcgatc	cgttcacgta	cctgggtggc	360
gggctgctgg	gtgaggtcct	ctgggatgtg	gaggtgcgct	gtgaccgcgc	tgagctggtg	420
cgatttcgtg	cgcgcgtggg	acagacgtgt	ggggagtaca	tggctgcgtt	cctggctgag	480
aagccgggat	atctgggttg	tgggaatgcg	acggcttgtg	agttctgtca	gtattcgact	540

ggggcggact atgcgcggac gtttaacctg aaggagcggg attactcttg gagagatgta 600
 agtcttcccc cgttgcgagt aacaagaccg atactgacgg cgtag 645

<210> 9518
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 9518
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 tatgaaacct tccttcatct gcatattgcc atggccattg tttcgatggt tggcctttgg 120
 atccacttgg atggccttcc cgctcaaact tacttgctcg tcgccatcat cttctggggg 180
 gtggaggtag gtcacgcgaa tccctttccc gtaaaacttg aacaagctcg gagctga 237

<210> 9519
 <211> 885
 <212> DNA
 <213> A.fumigatus

<400> 9519
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 gcgacaacgg cgttcgttga ggccatgccc ggccgaggcga tgaggatcac cctgaagatg 120
 gcaaggccct ggacgttcaa gcctggccag cacatctacc tctacattcc ctcgatcggg 180
 ttgtggacct cgcacccatt ctctgtcggc tggagttagt cggaggaagt tgtcacagac 240
 gagaagggca tgccgatgac ccgccaggac gtgttcggca tgcagaagac gactgtctcg 300
 ctgcttggttc gacgccgaac gggtttcaca aacaaattgt accagcgtgc tttgagcgcc 360
 cccgactcgc gcgtcactct gaaggcgttc gctgaggggac cgtacggagg catccactcc 420
 atggattctt acggcaccgt cgtcctcttc gccggtgggtg tcggcatcac ccacaggtt 480
 ccattcgtgc gccacctagt caaggatgat gccgagggca cgggttgctgc ggcacgagtc 540
 actctgggtct ggattatcca gtcacccgaa caccttgaat ggatccgccc ctggatgacc 600
 agcatcctgg ccatggatcg ccgccgggaa gtccttcgga tcatgctgtt catcactaga 660
 ccccgttaaca caaaggagat ccagagcccg agtgccacag tccagatgtt cccggggcga 720
 ccgaacattg atacgtgat cggcatggag gttgagaatc agatcggagc catgggcgtg 780
 ctggtctgcg gaaacggcag cttgagtgac gatgttcgtc gcgtgtgccg taaaagacag 840
 gaccagacga atgttgattt cgtggaagag agctttacgt ggtag 885

<210> 9520
 <211> 414
 <212> DNA
 <213> A.fumigatus

<400> 9520
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 caggctcttct tcgcccata gccgtttgca gaccgagtg aaaccctcga tcttcggcct 120
 tggatggatc aaacgcctat tacacttaac agtgggacga ctttcttgat agtacgacgc 180
 atgttcocaga gattgggtct ccgctatgtc ctctttgcaa acaaggggtg cctccaaggc 240
 ctgctcacta agaaggacgt ttggtctatt attgatgggt cagaatcccg cagggttgaa 300
 gacctagtca ctgattcatt caggcaaaga aatacggccg aggaggttgg tttacttgaa 360
 agtgatgatg gaacgagtct tgccagttcc ctggatagac gtccttcact ttga 414

<210> 9521
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 9521

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atggcagatc	ccttcgaggt	tcgcatgcgc	ttcactgcac	agctgcagca	tcttaatgcc	120
tccgtgacct	cgtcacagaa	ggcagcgcat	tatgcgttga	aataccgcga	catggatgag	180
gatctccact	cctgtatcct	ggaacaactc	gaaaggggtat	gtatgtctct	actgccgtac	240
aggagactac	tctaa					255

<210> 9522

<211> 645

<212> DNA

<213> A.fumigatus

<400> 9522

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gacgaaacca	aactcgacaa	cagcaataca	acctcgacat	cgtcaacagg	tccaattggc	120
cgcaacacaa	aaatggtgac	ggcaacgaga	aggaggactc	tcgagacatc	gtcgacagct	180
tctggggata	gcaaggggat	gccaacctcc	gcaaatggga	agcgcaagcc	cgaatctaca	240
agtgtgttaa	aacccgaatc	gcagcacaac	aaacggagaa	agagaagcag	tgtagaggct	300
gcggaagagc	agaaaagaga	attgtcgact	gacggcgctc	tggctgagcc	agactcaaaa	360
cgatcagagg	cacaggcggc	ttcttctaag	acgaaacact	tcagattcga	cagcgaagag	420
cctgaactgc	cgggtggagat	ggaaaccgag	gcgccagAAC	ctcagcagaa	ggagcaggac	480
aatgaagaca	gcagcgatga	tgacgaagct	cctgaagcga	ttgacaattc	aactcagatg	540
tccaagatca	gactggaagc	taaaaggcaa	gaacgagcaa	gacaaatgtt	agtatcccc	600
ctacctctaa	agaacttctt	tgtctctaac	tcgaatctac	agtga		645

<210> 9523

<211> 564

<212> DNA

<213> A.fumigatus

<400> 9523

aacaacatga	ataatcgagc	caacatcatg	tacttcatcg	agcaattttg	cgaaatggcc	60
actaaggaaa	atcatacacc	ctatgtccgg	atgatgcaaa	gagatattct	acgcgttggt	120
gatgctgttg	taccaccaga	tggatcagga	gctgcaaa	tcaagcacgt	cggcggtggt	180
ctcaacggcc	ttcagagtaa	agatattctc	tcagccgaaa	cggtagctga	gattgatgcg	240
gggctcaagg	aacgggaggc	ccaggtggca	catctcgact	tggatgccga	ggaggagggc	300
aataatggtt	cgaagcgaa	agggtggaac	ccccaggct	ccaggccgag	tgggatgcgc	360
gtggacaaga	ggcagatcga	gcaacgtatt	gaagaagacc	gtgaacggaa	taaaaggctg	420
cgcgagagca	tgtggacggt	cagtggggat	gatggtgacg	aacatggcaa	gttctgggat	480
gaagtcagtg	atatagtgta	ggacgacttc	ctgggagcgc	aggaggaact	catggagcgc	540
aatcaaattg	ttgctgctca	atga				564

<210> 9524

<211> 654

<212> DNA

<213> A.fumigatus

<400> 9524

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gtcctcggta	cacaagcagt	gcccttggcc	ttccccggac	tggaaagcaa	cacactcgtg	180
cgcagacaag	aagagaccta	ttcagttggt	aatgttggcg	gcaccagtc	caacggtgtc	240
gataccagct	cggtgggtga	gacccagacc	cagactgtga	ccgctcctag	catccctcag	300
gctcccgtaa	ctgtcacggt	gaccgatatg	ccaacatcga	catctacacc	agtcatacaca	360
ccctcttctc	ggggccacacc	ttcgtccagc	tcatacatc	catcatcaaa	atgtctgaca	420
gcttggccga	caccttctcc	tgaggatgac	catcgcaaac	ctcctctgcc	ccctaggagt	480
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gacaatgcaa ctgtgacggg gcctatctca gctcggactt tgttgaacag cacaatcgca 600
gctcgcggcg gtgtctttgc gcgggctctc aaccagactg gccatgtcta ctaa 654

<210> 9525
<211> 222
<212> DNA
<213> A.fumigatus

<400> 9525
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aataccaata tgtgcaggaa cccaatcgat acaatggaca atctatcaac tgagaacatc 120
ccagaaagta aaagcaagag cgtgccgtat gtccgtttcca aatataccat agcaagagca 180
agacgtcgaa gctcgaattc gccatattga cacatcaagt ga 222

<210> 9526
<211> 1599
<212> DNA
<213> A.fumigatus

<400> 9526
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attactacta ctaccgtggc tccaagaag ccccatgccc actctgatcg agcgaggtct 180
ccagagcgtc gcctgtcctt taacatggac cacctgattc accctcaccg agaccacagc 240
aaggagaaga agcgcagtca tggcagatca gcgcgctcaa aggagcgttc cggcaaggag 300
gatatcaccg ccgcgccggc caagctggac gtcacgtcg aatctccacc cctcgtctgc 360
tacggaaccc ctgcaaactc gaccggcgcg ttattttctg ggcgtttaag gatcacagtc 420
tcagagcaag ccaacgcagt caccctagac aagttcgata tgaagctgct caccaagatc 480
accaccaaga agcctgtgtc gcgggaatgc cccaactgcg catcacggac cgaggaattg 540
accagctgga acttcctcac agaatcgctc actctcaagc acggagagca tgatttcccc 600
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gagtactacc tttctgcgcg tgcgcacgac accaacggcg aggagtacac ctacagaatg 720
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gatggtaaca gcatcatgga ggactatagt ggatctcccc tctcccttcc agattatgaa 1440
gagctggaac ggatggagtc tctgcatctg gactccgact cagctggctc tgtccgcggg 1500
cggagtcgac tcaccaccga agacctgact gcagagccaa tggaaaccagg gagccgaagc 1560
cgcggtttat ctgccgactc tgggtgcatcc gagcattga 1599

<210> 9527
<211> 189
<212> DNA
<213> A.fumigatus

<400> 9527
agcgccctga cggcagggaa attatcgccc tgcactgcgt actatagtga gggcgggtcta 60
agcttgcccc atacttctgt catccaaaag ctgggtgact cctgcgttgt ccttgcgtcg 120

gatttatttg acaagcgcgc gttctttgcc agttcgccgc gcgggtgccca cattataggt 180
 ggtctgtag 189

<210> 9528
 <211> 354
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (16)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9528
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 cgccacggga aggtcaagcc tagcctgttt ctgctgtgga cgcctggtct tgatgggcgg 120
 aaagacgaac ttattccttt tacctatgtt cggggcagtg ggccctgagtt ctggtacatt 180
 gatctcgagg atcccaggac actgggtgct cctggtcaga agctccaagt ggcggcgctt 240
 actgagtttg gagatcggaa agactgcagg gggatctctg tggatgaata caaggctaata 300
 gttggacggg ttctgtatggc gttttcattt gttgccgaat ggcccttgt ttga 354

<210> 9529
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 9529
 attgacaggc acagatattc tgatgaccag tttgagtacc gacatgttca gtttcccaaa 60
 aacatgtctga agaagattcc cgccgactat ttcatagct caaaaggaac gctgaaattg 120
 ctatgggagg aagaatggag ggcactcggg atcactcagg tactacgaag tggactgcga 180
 aaactcgcgt ctatcagcct gtgggtaata ttgatgctct ag 222

<210> 9530
 <211> 1419
 <212> DNA
 <213> A.fumigatus

<400> 9530
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 ctccccaaac cgttctcct cgctgacatc gctggcaaca tccaggctct ggtccccaac 180
 accgacctct caaccatcaa cagcctaata gtagacaatg gctacgcacc ggacgtcttc 240
 cccgtcaaac acctccccag cagctccttc ctgatcccag gcttcatcga caccacaac 300
 cagccccgcg aatgggcaca gcgcggcgta tggcgcgga tctcctcct cgactggctc 360
 gagaaagtca ccttcgcaca cgaagcgaaa ttccaggacg cagagtatgc aaagcgcacg 420
 tacagcgccg ccgtggacgg gctcctccgg cagggaatca caacagcaag ctactacgcc 480
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 gcagaggtat ccgtcaagga gaccgggaa ttcctcgtgt ggatgcgcga gttcaacgg 660
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 gcgcattgtc ctgttcccaa tacgacgatg caggcattta tggttgcgcc ggtgcgggag 1020
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gcgcaggtat	gtgggttga	ggagagggtt	ggtaattttg	ctgtcgga	ggagtttgat	1260
gcattggaga	tacggactgg	ggaggggggt	gagatgagt	ttatggcgcc	ggtggaagaa	1320
gaggattcaa	ttgaggcat	ctttgagaag	ttctgatga	cgggagatga	ccgcaacatt	1380
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<210> 9531

<211> 243

<212> DNA

<213> A.fumigatus

<400> 9531

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gccggcccat	tacactgggtg	ggggaatata	gtgtatcgca	agactgcaga	cgggatggga	180
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<210> 9532

<211> 348

<212> DNA

<213> A.fumigatus

<400> 9532

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gtaattgtca	tcacctttct	ccttggaagg	cgatggaaga	ggtttaacaa	gatatcatgg	180
cctgtcgctt	tcggagccat	gagtcttggt	cgcctgcaa	cagggatcaa	tttctcttcg	240
tggtgggtag	tcaatgtact	cttcaatggg	atcatcaagc	ggaggaagcc	tgcattggtg	300
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<210> 9533

<211> 348

<212> DNA

<213> A.fumigatus

<400> 9533

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gtctttatgg	tcacaagatt	tgacaacatc	tgacccccag	atgctgatgg	tggattcacc	180
tgtctctcatg	gtcgagtaac	atattcggct	tctttgatat	ggggttaagt	catccatgcc	240
actccaaaac	tcgtgctgac	agacaaggcg	ccctgggtcc	tggacgaaac	ttttctccag	300
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<210> 9534

<211> 606

<212> DNA

<213> A.fumigatus

<400> 9534

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cagttggctg	gccgagttgg	cgcgcgcggg	ggcgcgcggc	ggcgggcgcg	caggggtgacc	180
agttggcggg	agcccccttg	gcaggccggc	cgccggcgag	caagggcgcg	cgccatggac	240
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caggggaccga	caccgggtcgc	agagacacccc	agacggagacac	gggaggcgcc	agaggtgacc	360
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cacttgccgc	gacacgcaca	tggccgtcgc	cctcgacgga	tggcgccatg	gcccgcgggc	480
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<210> 9535

<211> 711

<212> DNA

<213> A.fumigatus

<400> 9535

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gggtccgaac	gtcgttccgg	ggggaggccc	acctgcggcg	gcagaccgcg	cgccgcccgt	600
ggggccatgt	gccccagcca	actggtcact	gcccttcgtc	accaggcggc	ggcgcgcgcg	660
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<210> 9536

<211> 900

<212> DNA

<213> A.fumigatus

<400> 9536

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ccgcggcgcg	gccatgccgg	catccgtcga	ggccgacggc	catgtgcgtg	tcgctgcaag	180
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<210> 9537

<211> 909

<212> DNA

<213> A.fumigatus

<400> 9537

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gatggatgcc	gccggcgggc	catgccggca	tccgtcgagg	ccgacggcca	tgtgctgtc	180
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<210> 9538

<211> 444

<212> DNA

<213> A.fumigatus

<400> 9538

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tgcggcggat	gtggcgaggc	gggctgcggc	ggagagagcg	gagggggtgg	tgtcggtgcc	180
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gtgtacgtcc	aggcctggcg	ggaggaaggg	gctctcctcg	gtgcctttct	tgggtgtgtc	360
gatctggagg	tccgggggcga	gaatgatgat	ttgggtcccc	tccggggtct	cgacagcgag	420
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<210> 9539

<211> 417

<212> DNA

<213> A.fumigatus

<400> 9539

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aaggcaccga	ggagagcccc	ttcctcccg	caggcctgga	cgtaacacac	ttgcgcacag	180
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ccccctccgc	tctctccgcc	gcagcccgc	tgcacacatc	cgcgcgactc	cgcgacctcc	360
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<210> 9540

<211> 555

<212> DNA

<213> A.fumigatus

<400> 9540

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cacatccgcc	gcaactccgcg	acctcctccc	ctcgcccacc	ccagcccata	ccagaaaccc	420
cccttatggg	aaccccgctca	tgaacgtcat	catcagtgtt	ccaccaaata	cagcctccgg	480
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<210> 9541
 <211> 2475
 <212> DNA
 <213> A.fumigatus

<400> 9541						60
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<210> 9542
 <211> 573

<212> DNA

<213> *A.fumigatus*

<400> 9542

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aaaagggctt	ctgttaaggg	aaaaagggaa	attaaccccc	tggaagggtc	cccaagaaac	180
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gatggcacc	tggaagttac	cgccatcgag	gccgctgacg	gaagtacgcc	tttggctccc	540
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<210> 9543

<211> 513

<212> DNA

<213> *A.fumigatus*

<400> 9543

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gtcagacgca	tattgtccag	gggacttgaa	acttggccgc	agacagtata	tacggagtgt	480
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<210> 9544

<211> 252

<212> DNA

<213> *A.fumigatus*

<400> 9544

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gccttgaagg	ggttcgttca	tacaaggacg	gtttacagaa	tggcggcgga	tctcgatacc	180
ggcaagatca	agaactggcg	ttccatcgtc	acacttattg	ttttcattat	cactagtatg	240
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<210> 9545

<211> 690

<212> DNA

<213> *A.fumigatus*

<400> 9545

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tatatgactc	gagtatcaag	caacatcgtc	catccaagag	cctggattca	cagtcagttt	600
gctgttgcca	atatcgctc	cgcgatcctt	gtctcctcga	acccaaccaa	tctcgttgct	660
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<210> 9546

<211> 1008

<212> DNA

<213> A.fumigatus

<400> 9546

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ggacaattca	caaccgacgc	catgagcacg	ctgaacgaaa	agcaggaact	ccccacatcc	960
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<210> 9547

<211> 690

<212> DNA

<213> A.fumigatus

<400> 9547

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gtcggacatc	cttccggtaa	tactaatggc	tttggagtag	cccgaactct	atcacttctc	180
cacgacgcaa	aaccacaagc	ggcagacgac	agcgcgatag	ctactgcagg	ttctgatgcg	240
acacctacag	aaggagccca	tgatcaggcg	aaagacggtg	tatcggtgca	aagaccacg	300
aaaaagaaga	gagttgacgg	cgaaaagaca	aaatatcctg	ttcttaccta	tgtggaaggg	360
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gatggcattg	caccgcagtg	gatttccatc	aaacattcgg	gtcatattag	aaagattgtc	480
gtgttgatgg	ttcccggttt	agaaatgggg	atgtttgacg	ggactgttcc	gttgaaaccg	540
caacctgaag	atgaggattc	acgatcgtct	caagcttcca	acgcagagca	gaaagacccc	600
gatgctaaca	agtcggccga	agaagacgaa	gacaaggcca	acttccttcg	ctggaaacaa	660
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<210> 9548

<211> 984

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (5), (16), (69), (169), (312), (788)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9548

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tacatgaata	acgaaacagc	attcataaag	tccatgcgcc	atctagctnt	gatgggcac	180
atattcgtaa	agaatatccc	tgactcgcgg	gagatgggtg	agaaaattgc	aaccaagatg	240
gggcccctcc	ggaacacctt	ttatggaccg	acatgggatg	tccgcagcgt	tcccaaagcg	300
cccaacgtcg	cntacaccaa	cgtcttcctc	ggattccaca	tggatcttat	gtacatgaac	360
gagcccccg	gcttccagct	gctgcattgc	ctcgagaact	catgcgaggg	gggcgagtc	420
ctgttcgtgg	acggcttccg	agttgcggaa	ctaatacgtt	ggaaataccc	agagcaattc	480
gaagatctga	ccaagctgcg	cctgaactac	gaatacaacc	acaaggaaca	catctacaac	540
aacagctggc	ctgtagtggg	gacggaagac	ggcgaccoga	agaagcgaat	ccttcacgtc	600
aattactcgc	cccctttcca	agcgccctc	ctctcggacg	ataaccacca	aatgccttgg	660
attgagtaca	gtcgggctct	acgggctttt	gcgagggaaa	tcgaacgccc	ttacaatgtc	720
ttccagctga	agttgaaccc	gggcgaatgt	gtcatcttcg	agattcggcg	gattctccac	780
gcccgatncc	agttcaacac	cgacaagggt	aagcgggtgg	tgtcgggcac	ctacgtcgac	840
gaggacgacg	tcctctccac	cttcagaaa	tgtcgttaaca	cccagtagca	tacctggcac	900
tggacaagg	ttacagggcc	caaacatgcg	accgaggcgg	ccgcgaagg	tgaagctatc	960
gccgcgaatc	acagaaccga	gtaa				984

<210> 9549

<211> 642

<212> DNA

<213> *A.fumigatus*

<400> 9549

ctccccgtta	atcaaaaggt	ctgttccgct	aggcaatcta	accccacgac	ttgtgccccg	60
cgacattctc	tctcaagcac	catgtcgacg	ctcaacgaaa	tcacctcgga	cgccgacttc	120
tcggcacaca	cctcctctct	ccctccctcc	accttactag	tcctctactt	ccatgcgccg	180
tgggcagctc	cctgcgcccc	gatgcgcgcc	gttctctccg	ccctcgcttc	ccagcaccgc	240
gttactacct	cgccccaccat	ctcctttgtg	agcgtcaacg	ctgaagaact	ccccgacatc	300
tccgaagagt	acaacgtcac	agcagtcccc	tacgtgggtc	ttatccgcaa	cggccagatc	360
ctcgaatcca	tcagcggcag	cgacgcgcgc	aagggtgcgcg	atgcgggtcga	gcgccacgcg	420
ggcgttgat	cgggcgcggg	tgcagacggc	gcgaacaaga	cggctatccc	tcctcctttg	480
acggctacgc	ctcgcgagaa	tgccccctgcg	gctgctgcgc	aaccggccgc	tcctcgcacc	540
caggcattga	cgcccagaca	gtccaaggag	gcgctgtttg	cacggttggc	ggagctggtg	600
aaaggccgcg	cgggttatgc	tcttcatgaa	gggtacacct	ag		642

<210> 9550

<211> 327

<212> DNA

<213> *A.fumigatus*

<400> 9550

aaggccgcgc	cggttatgct	cttcatgaag	ggtacacct	gtgcaccaca	gtgcggattc	60
agtcgccagt	tggttgccat	cctgcgggag	aagagcgtca	agtacgggtt	cttcaatatt	120
ctggccgatg	aggacgtaag	gcagggtttg	aaggagtgtg	cggactggcc	tacatttcct	180
cagttgtggg	ttgagggcga	gctggttggg	ggactagata	tcgtacgttc	ttctatcgtc	240
gctcctgcgg	ctcgaaagtc	attgctaact	gatatgtttt	tgccacacag	gtcaaggaag	300
agatcaacaa	cgacctgat	ttcctga				327

<210> 9551

<211> 840

<212> DNA

<213> A.fumigatus

<400> 9551

cggtgcgttg	ccaaggcgg	cagcacccca	aagaatccgc	ccaaattctt	tccatctagc	60
acactttccg	atcattttac	tagcggacgg	tgctctatcg	ggctacgatt	tccctcatca	120
gcagtctttt	gtcggctgtc	tacacttgat	ttcctactgt	catgccattg	ctcatgcagt	180
ttctataact	tgattatcaa	aatggcaggt	ctccagagtc	gctccgccat	gactctcccc	240
tccctccctc	ccgcagcttt	tcgcaacctc	tcattatcag	tcccgcgcg	ctcgttctct	300
acgacattgg	ctgcgcaaaa	aacgaagcaa	ttaccggatt	atattcctcc	ttatccctat	360
ggaccaact	acattttcaa	gcaatctaac	tccggtctct	atggtggggc	tatgatccag	420
ttcggaaaca	agatctcgaa	gggccgcaat	gagggtaaaa	cccgcgcg	ctggaagccc	480
aacgtcaggg	ggaagaagct	ctggagtga	gccctcggag	agtacctctt	tatcaaagtg	540
acgcgaaagg	ctctgcgaac	aatctggaaa	tctggcggtc	tcgacaacta	ccttctggac	600
gaccggcctg	gccgtatcaa	ggaattgggt	atcttcggct	gggagttacg	atggaaagtg	660
atgcagacac	ctaagatcca	agagcaattc	cgccaagaaa	gaaaacgcct	tggcctcccc	720
gagccaccgt	cgttcgagga	gtgggtaaag	cagaaggagg	cagaagtcaa	agccaagggtg	780
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<210> 9552

<211> 267

<212> DNA

<213> A.fumigatus

<400> 9552

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atgcttgacg	gaggaccagg	aactggaaaa	actgcccttg	ctctggctgt	atcacaggaa	120
ctgggaacca	aggtcccggt	ctgccccatt	gttggcagcg	aaatctactc	agctgaggtc	180
aagaagaccg	aggcccta	ggaaaatttt	cgaagggcga	ttggtatgct	gtttcagacg	240
cgtctttcgg	gctgggggtg	cgattaa				267

<210> 9553

<211> 237

<212> DNA

<213> A.fumigatus

<400> 9553

gaagatcctt	tcagcttcca	ggccaggccg	caatacttcg	ccatggttca	gatcagtga	60
gtgaagggca	gttcgcgcga	gaacagaaca	gcagcacaca	ctcatatcaa	aggccttggg	120
ttacgtccag	atgggactgc	ggagccctct	gctgatggat	tgcgtcgtca	ggcagcagcc	180
cgcgagggtg	gcagcattca	atttttttcc	tgcgttggta	agatgagctt	gggctaa	237

<210> 9554

<211> 489

<212> DNA

<213> A.fumigatus

<400> 9554

tggaaaattt	tcgaaggggc	attggatatg	tgtttcagac	gcgtctttcg	ggctgggggt	60
gcgattaaca	agatttttag	cttaagagtg	cgcgagacga	agaagtgta	cgaaggagaa	120
gtcacagaac	tcacgcctga	ggaagccgaa	aacccccttg	gcggctacgg	acgtaccatc	180
agccatttga	ttatcggatt	gaagtctgcc	aaaggaacca	agaagctgog	tcttgaccct	240
agcattttat	aggcaattca	aaaagagcgt	gtgaccgtcg	gagatgtcat	ctatatcgaa	300
gcgaacactg	gagcttgcaa	gagagttgga	cggtcgcatg	catatgcgac	cgagttcgat	360
cttgaggcgg	aagagtatgt	tcctgtaccg	aagggagagg	tacacaagaa	gaaggaaatt	420
gtgcaagatg	tgacgcttca	tgacttggac	atggccaatg	cacggccaca	ggtggacagg	480
acgtcatga						489

<210> 9555
 <211> 681
 <212> DNA
 <213> A.fumigatus

<400> 9555
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 cgacgcacgc ctgccgccaa ggagaacgcc gctaagaaag ctgccgcata tgctcgcgct 120
 gaggtgatc aggcgtcatt tctcgaacgc gagaagattg cagaagagaa gcgcctccag 180
 gaacgccaga atcgccgtgc aatggactcc gaacgcgagc gcaaccgctt gaggaactc 240
 gaagctttgg gcggaaggga gtgggacgcg accaagcgtg aagaagacta caacccccgt 300
 ggtggttagag gtcaattccg gcgtggcatg cacggaggag tctctggtta cgtccgacga 360
 gatttcgatg acgcccgcac ggaggaggac caagagggac gccatcacct caaccaccgc 420
 ggtcgaggac gtggtggaag aggtgggctg ggacgaggag cttctcgggc tgcgcctttt 480
 gatggcgcgt cagatgaagc tgctgctgca gcctctccag cccctccggt tttgaataat 540
 gaacaagagt tcccagccct tcttgagggt cataaacc aa cggacaagac ggtctctgat 600
 ctgcgagata agcttgagac ctactgtcc ccagtgtcag gcgccacgtg ggcagagcaa 660
 gttgagtcgc aacgggatta a 681

<210> 9556
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 9556
 gctaccaacc ccaagtcacg gatgggagag ttcttgggccc tgagttcgca gaagggtgcc 60
 gcgagctcga actttgagca gcgggctcag ggagcgtctg aaatgagtgc caaagatacg 120
 tcgtgcgata ccgaggatca tagtttcatg gaacatgggc ctggttttca actcgcactg 180
 ccgacatccc aa 192

<210> 9557
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 9557
 ccaccaacca caatgggaga cagaacagcc gacaacgccg tcaaccacga aagaacctca 60
 actcagggcg gtgccagctc caaaccacaa cccgccaaac atgcaggcgg tggatcggga 120
 tggggcgaca agggcttctt caaggagggc acaggcacag aggggcccgg ccacagggcc 180
 gtaagttaga 189

<210> 9558
 <211> 699
 <212> DNA
 <213> A.fumigatus

<400> 9558
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 gcaaacgagc agttgtttcc gccgaggtgc tgctcgcaga tgattccgac ggaccaagtc 180
 ctctcgaaac tgacagagaa ggagaaagcc ctttttaagc tgaaagcgcg ggagtatgcg 240
 acatcgccca gagaacgccg gtattgcccc gcgatgaaat gcgggaaatg gataccactt 300
 gagaagttgg aaggtcaatc aacggcacag ctctgcccgt attgtggcac tgccatctgc 360
 ccgggctgta aggacaaggc acatgcgcct ggtaaatgtt ccttcgaccc tgggctgact 420
 gaatttctcg aactcgcgag gactcaaggc tggcagagat gttttcactg tggggcgatg 480

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gtcctaacc	ttacttcac	cttggccgtt	cgagatactg	acgcagcaaa	gctacaactg	600
tggtggacca	tggcttatct	gccatcacaa	cgccttaggg	aacgtaatcg	ccgaatgcca	660
aaccggcgcg	cctctcgaag	acggagtggt	aacacatga			699

<210> 9559

<211> 399

<212> DNA

<213> A.fumigatus

<400> 9559

agaatttcat	tttttcgtac	tctagagcgg	caattacat	cgtctctcgc	catgtttctca	60
tcttctgtcc	ggggtgtggc	ccgcgtatgc	tcatacaatta	cctctcgtac	ctttaataact	120
tccaccgcgc	cctatgctgc	cgagggttaag	tccctggggc	tgatcggggc	tggtcaaagt	180
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ctgggtatcg	ctcttgttga	tgcttcaaag	gctcacgttc	ctgttaccct	gatcgataat	300
acacaggcgg	ctttggacaa	gggtctctca	ttcgccggta	tgcttgatac	agcccaattg	360
tctctacac	ttctgtggct	tcttgatat	tccaattaa			399

<210> 9560

<211> 750

<212> DNA

<213> A.fumigatus

<400> 9560

ccgacatttc	ccacctcaga	caagctcctt	cagaaagatg	tttccaagga	gcgcccttact	60
caggaagctg	ccgacgcctg	tcgtgcgcgc	attactccta	gtctgaacat	ggacgacctt	120
tcgtccgtgg	actttgtgat	cgaggccgtt	cccgagattc	ccgacctcaa	gacctccatc	180
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tcccgtgtga	tctctaccca	tttcatgaac	ccggtgcgcg	ttcagaaggg	cgttgagatc	360
attgctggtc	tgcagacgtc	caaggagacc	atggataccg	caattgcctt	tgtgcagcgc	420
atgggcaaga	ttgcagccgt	ttcagcggat	tcgcctggtt	tctctgctaa	ccgtatcctc	480
atgccataca	tcaatgaggc	tatcatctgc	ctggagactg	gagttgggtg	ccgcgaggac	540
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tttattggtc	ttgatacctg	cctggctatt	atgaatgtac	tgcatcagga	aaccggagac	660
agcaagtata	ggcgtcttgg	gctgctcaag	aggatggttg	atgcgggttg	gttgggtaag	720
aagagcgga	agggctttta	cgactactaa				750

<210> 9561

<211> 555

<212> DNA

<213> A.fumigatus

<400> 9561

gtggctaacg	catgcgcggt	ccttcaggcc	gttgtgaaga	ccaacaaaac	taacgtacct	60
agtccgtcca	ctgaagaagc	agacatcatc	tccgaatcgc	tcccgtacct	ggtaaagttt	120
gctctagaag	tgcatttcac	gaaacgcgcc	tacgaagccg	agaaagacat	cttaaaccgg	180
ctcaaggctg	ctggcttcga	gctcgacttt	ggcgttgacg	gggcgggtat	ctcccgcgcg	240
tacatgacct	gtggcggagg	gtattacatt	gacgtcggct	gcagccaact	tatcgccgac	300
ggcaagatca	agatcaagag	gagccctgag	gggatagcgg	ggttcaacga	ccgtgggctg	360
ctcctgagag	acgggagcgc	attagacgcg	gatctcgtcg	tgctggccac	gggatacgac	420
aatatgcgaa	caacagtgcg	caagatattg	ggcaatcgag	tcgcggatag	gtgcaaggat	480
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tgccaacaat	gctga					555

<210> 9562
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 9562
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 cagatgtggc ggccaagtgg ccatccggga ttctggttca tgggtggaaa cttggccctg 120
 tgccggattt attccaagtt cttgctgctg cagatcaaag cgattgaggt gggctctggca 180
 tcgcaggata cagtgcctgc caagctgtga 210

<210> 9563
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 9563
 cgaaagtcta caggggggcaa atcatcccat acacgttctg cgccttcacg gtggccctcc 60
 atgctgcac cgacaccacc ttctctaaca ctgtatccga aaccgtatgg accaaggcgc 120
 ccaaaccgtt cgaagcaaac atcgtccttg atacctagca ttgtatttga ccccatcact 180
 gcatccggaa acccacgggg tactccaggg taa 213

<210> 9564
 <211> 2217
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (107), (114)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9564
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 atcacttcgg atgagaagca agtcgccctt gggctgccaa aggtggcgcc caaaccgctt 180
 caatgggaga gcttcccttt ttgaaacgg tatcatggtg gtattcgaac actgatcccg 240
 cggaacgaat cggtaaccga atatccaagt gacggaatgg aggagatggc catgggctcg 300
 gacaacaata agggtcaggc taacattgaa accagaggtc aggaagcctt gatgtcgagt 360
 ttggtgttca acccataccc agattacgat tcagatgagt acaagaagaa gtatggtgag 420
 aagcgcgaaat gcttcctcga tgagcaggag acgattcgca ttcccccggt gcagcattac 480
 cctggagtag cccgtggggt tccggatgca gtgatggggc caaatacaat gctaggtatc 540
 aaggacgatg ttgtcttcga acggtttggg cgccttggtc catacggttt cggatacagt 600
 gttaggaaaag gtggtgtcgg tgcaggcatg gagggccacc gtgaaggcgc agaacgtgta 660
 tgggatgatt tgccccctgt agactttcgt cacgtcgact gggctgctgc tcagaacaga 720
 tgcgtggccc tcaatagcca ccgcttcaag gacctccctc agccgcggct gaatcgcttt 780
 ctctccttgc ccgtgggggt tccaaagtct tctcaatctc aggaagaggga tgaagcatcc 840
 cagtcgaaag cggatcgtct acctcgaacg gcagtggtaa ttccggacatg gcacgatttt 900
 cacttcacgc ctgatgacat tctgtacttg cgtccctga tctcggagct ctcatgtctg 960
 tctggaggag agtataccat tcattttctta gtccatgtca aagatggaaa cttgcaaatac 1020
 tggctcggacg acgagacctc cgagcgcgtg ctcaacgatg ctcttcgggc agaattccgc 1080
 ggcattgggtc ctctttggtc ggaacagcag atggctctca tttatcctgg gttggaagaa 1140
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 tacttcgcat accaaccatcc agagtacgac ttctactgga actgggagat ggacgtgcga 1260
 tacacaggcc actggtacca ttatttcgat aaagtgggta gctgggcgcg ggaacagccg 1320
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cacgcgtcag	tctatggcgc	aagtcctcaa	ttttgcgctg	gtcctgtcca	cagcgttcac	60
gctgtggaag	ggcctctccg	tgttcacgtc	agtaccagcc	tcggaaggac	aggtttcaat	120
cgactaacgc	tgagttcgaa	tttctacaga	gcgagctcgt	caccatcgt	cgttgtgtctc	180
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attgccgatg	ataccgagtt	gtatgcgaaa	aaccaggact	ttctacatcg	tgaggaggat	540
attgttggca	gcgtgcgggg	gtatatgcct	atggtgggat	atgtgactat	tatgctcagt	600
gagcatccgt	ggctcaagac	ggtcctcctt	gggattatgg	gtctgatggt	catactgcaa	660
cgggaacaat	ag					672

<210> 9567
 <211> 216
 <212> DNA
 <213> A.fumigatus

<400> 9567
 agagccgcga acatgggtag ccagaagcgc atagctaagg tccgtcactg ggatcaagtc 60
 gcctcgaatt ttctagtgtt ctacctgctt gctaacggga taaatgttct gcaggagctt 120
 gccgagttga cagagagtcc tcccgccggc atcaccgtcg agctggtgga tgagtcgaat 180
 ttgtacgaat ggaaagtcta cttgggagga ccataa 216

<210> 9568
 <211> 882
 <212> DNA
 <213> A.fumigatus

<400> 9568
 cagcgcgttt ccttccagcc ccggctcggg aacacagggg cggctctttat tgaagactcc 60
 ggtctgatct gggatgcaac tcttaatcag acgaattccg cgcataacaa caataagttc 120
 taccggattc agctgctggg tgataacctc gggacaacct acaagacctg gacacgctgg 180
 ggccgtgtcg gggagtttgg atcgtctgca ttgctgggtg atggcactct gcagagagcc 240
 aagttcgagt ttgagaagaa gttcaaagac aagacgggtc tgaaatggga ggaccggctg 300
 agtacgcca agtcgaacaa gtacaccttt atcgagcgta actatgaaga gtcggacgac 360
 gaagacgaca gtgaggacaa aatggatgtc gataagaggg aaaagatcga gactaccttg 420
 cctcaggcgg tgcaggaact tttgaccttt atctttaacc agcaacactt cctgtctacg 480
 atggcgctca tgtcgtacga cgcgcaaaag ctgccgttgg gcaagctgag caagaggacc 540
 ctgacgactg ggtttcagat tctgaaagat ctgtccgaac tcgtggccga tccctccctt 600
 gcgagctcca gatacaacac ttcgttccag caggctgtc tggacctcag caatcgttac 660
 tttaccacta ttccgcacgt atttggctgc aatacgctc caattctgac taaagatcat 720
 cagatcaaga ccgaggttga tctgctggaa gcaactgaccg acatgggcgt tgccaacgga 780
 atcatgaaga attctcggga tgccgagatg atgaaccagc tggatcgcca gtaccagggt 840
 ctgggaatgc aagagatgac tccacgtcag tctgccatat ga 882

<210> 9569
 <211> 666
 <212> DNA
 <213> A.fumigatus

<400> 9569
 agcataacctg aacaattctc ggggctcgac gcaccatctt cgatccagcg tgagtatttc 60
 ccccgaaacc tgaagtttca ggatactcaa cacaaacagg tcatcaatat cttccgcatt 120
 gagcgcaagg gggaagagga tcggttcaag tcttcttggt ttgcaaattt gacgaacagc 180
 aaccgccgtc tattgtggca cggatccgc agtaccaatt tcggtggtat cctcagccag 240
 ggtcttcgca ttgcaccgcc cgaggcgccc gtgtcaggat acatgttcgg caagggcgctc 300
 tacttcgccg acatgtcaag caaatccgca aactactgtg tgccctacaa cagcgccaac 360
 atgggcctgc tactcctctg cgatgtcgag cttggaaatc ccatgctcga gcagttccgg 420
 gccaaacttca acgcaggaac ggatgcgaag gcccaaggca agatcgcgac gctcggaaaa 480
 gggcgaaacta tcccgccggg ttggaaggat gcaggctgtc ttcattccggc actgtcagggt 540
 gtgcagatgc cggatgtgtc caagtctacg atgagtgaac atggcagctc actgtataat 600
 gagtacattg tgtacgatgt tgcgcaaatt cggcagagat accttttcca tgttcacatg 660
 agttga 666

<210> 9570
 <211> 315
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (185), (186), (194), (229)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9570
 aaacgtctta aggcccgagt tccctctgga cccacatgca caagagcctc cgcctccct 60
 ccaattccct acttacaaat ggggcgcacg gggctgaacc gcttcaaagc ggccatggcg 120
 cgcttcttga acgaacgcct ccaccacagc acccccctcg agccacacca tctcatcctc 180
 acaannggcg tctntgcggc agtcgagcat ctttctctgg cgcttgcgna taaaggcgag 240
 ggcacccctc tgggagaccg tactacggca cctttgtcgc ggatatctcc atgcgggttcg 300
 gcacggaggt tgtga 315

<210> 9571
 <211> 897
 <212> DNA
 <213> *A.fumigatus*

<400> 9571
 aggcgagggg atcctcctgg gagaccgtac tacggcacct ttgtcgcgga tatctccatg 60
 cgggttcggca cggaggttgt gaccgttccc tttggagggg ccgatccgct cggcgaagcc 120
 tgcgtcgagg cgtaccgaca ggcgctgact agcttcgagc agcggactgg gaagaagtgt 180
 cgtgcaactgc tgcctatgcc tccgcataat cctctcggac ggtgttactc gcgcaatgtc 240
 ctgggttgccg tgatgcggtt gtgccaggag caggggatgc attttatcag cgacgagata 300
 tatgcgctct ccgatgggg tggggaagag tttgtctccg cgctgagtat cgacaccagc 360
 ggcacatttg atgcggaccg ggtgcatgtg ctctggggca tgagcaagga tttcgggtgcg 420
 aatgggctac ggttgggtgc cctgatcagc cagggaaata aggatgtgcg tgcccgcggtt 480
 gacagtgtcg cgctgtattc gtatgtgtct ggaccggcgg accatctggc ggcaaagtgc 540
 ctggaggatg atgcgtatac ggatgagtat atccggttga actgcgagaa gctaaaacag 600
 gcgtatgaat acacagtagg attgctgacg cagaatgaga tcccatacat ggccggagcc 660
 aatgcgggat tctttgtctg ggtggacctg ggcacgccgt atcttaagca ccaccggag 720
 gcgaaacacg aggatgtcgg cgagatcgtg atgcagcgtc tgctgaagaa caaggtgttt 780
 ctggcctcgg gggcgtgtt tggctcggag acgcccgat ggttcgcgat tgtctttgog 840
 catccgcagg cgtacctgga cgaagcgttg cggcggattg tggctgctct tcaataa 897

<210> 9572
 <211> 429
 <212> DNA
 <213> *A.fumigatus*

<400> 9572
 cctggcaggc cgggcacacg gggaccttca tgccaaccaa ccaaaccaaa accgagggca 60
 acgatgacca ggcgttctgg gcttttcgag ccatgtccgc tgcggagcgg aacttccccc 120
 acccagaccg ggaccacggg cccgggtggc tggcgatggc gcaggcgggt ttcaacacgc 180
 aggcggcgcg gtgggacgaa gacacctgog gcgggggact gcggtggcag atcttcagct 240
 tcaacaatgg atggaattac aagaatacca ttccaacgg gtgttttttc cacctggccg 300
 cccggctggc gcggtacacg gggaaccgca cgtacgctga gtgggcagag cgggtctggg 360
 actggacggg ggacgtgggc ttcacacagg acgactgggt gttctacgac ggggcggacg 420
 tccctgctga 429

<210> 9573
 <211> 594
 <212> DNA
 <213> *A.fumigatus*

<400> 9573

tgcgtggcta	accagtacaa	gacggaaggt	gactcccgat	gggaggcgag	gacgaagcat	60
atcctccagg	cgacggatgc	gtttttcgcc	gaggaccgg	ccatggtgat	gtacgagcgg	120
gcgtgcgagc	tcgtggacac	gtgccaggtc	gaccagcgcg	cgttcaaggg	ttcctcgcg	180
gatggatggc	ggcggccacg	caggttgccc	ccttcacgta	tgactgggtc	atggccgagg	240
ctgcgggctg	cagcagcggc	cgctgcaagg	acatgcactg	gcggtcccga	tggcgagcgg	300
tgcgggctga	aatggacgac	gggggtctgg	gatggcagcg	aggatgtggg	attgcaaagt	360
agtgcgttgg	aagtgatcca	gaatctctta	gtcgaccggg	tggatccgcc	agtcaccgat	420
gccaccgggg	gaacctcagt	gggcgaccgg	agcggaggaa	tggagcagcc	cgatccacgg	480
ccaccggtgc	tgacgatgac	tatcaccggg	gcagatcgcg	cgggggcggg	gctcctgaca	540
gcgatgttgg	gggtgttgat	gatagggaca	acagggtggc	tcctctatga	atag	594

<210> 9574

<211> 846

<212> DNA

<213> A.fumigatus

<400> 9574

tccccaaagt	cagctacaat	gcattgcatg	caattactat	ggctcttgac	actctcccc	60
gcgtatagca	tccctctaga	ccccaatgat	cccacctcca	tcaagcaggc	cgcccaccat	120
gtcgccgcca	acatgctctc	ccactacacg	gggatgaaac	ccggcgacaa	cccgggcaac	180
ctaccacccc	catactactg	gtgggaggcc	ggggcgatgt	tcaacgccct	catcgactac	240
tggtacctga	cgggcgacag	tacctggaac	gcaatcacca	cgcaagcgct	gacctggcag	300
gccgggcaca	cggggacctt	catgccaaac	aaccaaacca	aaaccgaggg	caacgatgac	360
caggcgttct	gggctttcgc	agccatgtcc	gctgcggagc	ggaacttccc	cgaccagac	420
ccggaccacg	ggcccggtg	gctggcgatg	gocgaggcgg	tgttcaacac	gcaggcggcg	480
cggtgggacg	aagacacctg	cggcggggga	ctgcggtggc	agatcttcag	cttcaacaat	540
ggatggaatt	acaagaatac	cattttccaa	gggtgttttt	tccacctggc	cgcccggctg	600
gcgcggtaca	cggggaaccg	cacgtacgct	gagtgggcag	agcgggtctg	ggactggacg	660
gtggacgtgg	gcttcatcac	ggacgactgg	ttgtttctacg	acggggcgga	cgtcctgctg	720
aactgctccg	acttgaaccg	tatcgagtgg	acgtacaact	ctggggtgta	tttgctgggc	780
gcggccaaca	tgtacaattg	tgtatgtcta	tgtctatggc	tacttgctct	tctgatgcgt	840
ggctaa						846

<210> 9575

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9575

ttaggtcggg	atctctccag	aaagggaaaa	caggagcgca	caacgctgaa	gaaagcaacg	60
tatgttctat	catactgcct	ttcattgtat	ctgaatatgg	aatctaaaga	gctatccaag	120
atgtctatgc	tccgatctaa	aatatgcaac	gtgcaagcaa	gcagacaggc	aggcgtactc	180
aaatgtgact	aa					192

<210> 9576

<211> 675

<212> DNA

<213> A.fumigatus

<400> 9576

ttgaaatttt	caatatgtct	gtcgatgtg	tttgtgcaca	atctagatgc	ctgccaccaa	60
tcccaactcg	acacgggatt	gttgaccgga	gcatgtatct	gtatgcgaac	atacgctatc	120
aggccagttt	ctaaccgctt	gcccgggtccc	attgaaccga	agaagcacag	gcgagataga	180
gacaattcta	cgacaggttc	cctctacaat	gctttgatcc	atcctgttca	gcgggagaag	240
actattactt	ccacgatgat	tagagtcgct	gagtttcagc	cctttctgaa	cacaatcagt	300

gtactccaag	tgctcgcggc	aatcttcatt	ggagccctca	cctatcgact	gattgacgcc	360
ttttttctct	ctccctccg	ttccattcct	gggccccttc	tggcccgact	gacaaccaa	420
cgcgccaatg	tcgacacctt	ctccgggaag	gtgacccaga	ctgtcgacaa	agacgtagcc	480
aggtacggcg	atgtatatgt	ctacaaaccc	cgtgcggtct	gcataaatca	tccagacgac	540
atccgcgctg	tgctaggctc	ccaggagttt	cgcaaggctg	ccttctttga	catctttaat	600
gacggcaaca	caccaatat	cgtctcgctc	agggagccag	agctggccaa	ccgtcggtct	660
tcaccacggg	gctag					675

<210> 9577

<211> 762

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (699)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9577

gacaccatgg	ccctcccat	tattctctgc	ctcgtgtca	tcttgtggac	ttcctggcgc	60
ctgctggaag	ccttgttcc	atctccctt	caccgggttc	cgggaccggt	tcttgcaagc	120
ctcaccctc	tccgagcaat	ctatgccgc	ctcccgagcc	gggtcattcc	cgcagctctg	180
gccgacttcc	atagctatgg	ggacatttac	ctctccaagc	cgcggaccat	aacaatcagc	240
catcctcggg	atgtgcgagc	catcctcgca	tcttccgagt	ttcaaaaaat	tgacgtctat	300
catggcctta	atgacccagt	catggcgaat	atcgtcacct	tcagtgaccc	caagctggct	360
agtcgacggc	gccggcagat	tggtccgtac	ttcaatccca	gctatctggc	aaaaatggag	420
gagctgattc	tgtgggtgcg	ctgccgggct	gtggcgga	agtgggatcg	actgattgct	480
caacagggcc	atggcccaca	gaaatcagtc	aaggatgaact	accgccacga	cctgcagatg	540
gccacctttg	atattatgag	tgcgctggca	tttggctggc	ggctggactc	actgaaggaa	600
gaaggggaga	gtgtggcgat	cgtggagtg	atcatggcga	cagccgtcta	tatcggcgctg	660
cggatcaatt	tccggttgct	catggtgttt	cccttctcnc	cgctgggtgc	gcgctggaca	720
acgcctatgc	cgaatttggt	cattttacca	gcaaccactg	gg		762

<210> 9578

<211> 741

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (85)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9578

gcggaattat	tcaaggactt	gttagttctt	ccccgcgggt	tatacttctg	gtcccagggc	60
attaggagtt	ttggttcacc	cgcgntggag	tatgggttcc	cttcgacgca	ttcgacaaac	120
gccgtctctg	tcgctgtcta	cgtgctcact	ctgctcaatt	cgcgcgattc	gaccgtgagc	180
agccatatca	atttgatctt	ccaatgcatg	acgtatctct	acgtcagctc	cattgtattg	240
ggtcgccttt	actgcggaat	gcatgggttt	ctcgatgtca	ttgtcggttg	cttgctcgga	300
gcttcgataa	cgttcgtgca	aaatttattc	gggcctcttc	tcgatgacta	cgtgttttca	360
gcatacggga	aacaaatcgc	gctggtggtc	ctggtaataa	tcataccttg	gcgcattcac	420
cggagccag	cagacgattg	cccgtgtttc	gatgacagtg	tcgcctttgc	aggggtaata	480
attggagctc	aactgggctg	ctggcatctt	gcgaagtcta	gcatacgctt	gtccgacctt	540
tcccctcgta	cgtacacctt	ccggtacaaa	gattttgggtc	tggtaaagac	cgtgctgcgc	600
tttgttctgg	gtgtcttttt	gattttcact	tggagagagg	tcatagaagc	tcttctcttc	660
cgtaccctgc	ctccaatctt	tcgagcggtg	gagaagttgg	gtctcctgct	tcctcggcga	720

ttctttacca gggcttcgta a

741

<210> 9579

<211> 717

<212> DNA

<213> A.fumigatus

<400> 9579

tccttccagg	cgcccggtggt	gaagacagaa	tcgcgtactc	agtcgcctgt	tgctctcaat	60
cgtagacaga	gcaaccttga	cacaaccggg	gcgtctctgt	ccgactacag	gcccacgagt	120
cgccgttctt	caacgctcct	gacgacatca	tcagatgtgg	gcactcccc	gcgtcagaat	180
tccttccctg	ttcccgctcct	atccccctcg	atgtcaacag	gcctgtcaaa	ccctccgata	240
atggagtctc	cagtcattcac	ctttgagcca	gatgacttct	tcagcggctc	tgcgacaccg	300
gctaccccat	ccgcttatgg	atttccccca	agtcattcatt	cgcgagggtat	caacgacatc	360
atttcggagt	cgactgtcgg	cgctggggcca	tctgttcagt	tagttgagcg	tatgagcgct	420
acggttcggc	gcttagagag	cgaacgagcc	gcagccaagg	acgaacttgc	gcggatcact	480
agacaacgtg	acgaggctcg	aaagcagggt	gttgacctca	tgcgagaatc	agaggaaaag	540
aaggcctctg	atgctcgtgt	gcaggagctg	gagacaagac	ttgaagacct	ggaccaacgc	600
taccaaacga	ctctggagct	gcttggcgag	aaaagcgagc	aagtcgaaga	gctccaggct	660
gatatcgccg	atctcaaaaa	aatatatcgg	gagttgggtc	atagcaccat	gaaataa	717

<210> 9580

<211> 540

<212> DNA

<213> A.fumigatus

<400> 9580

aaaatgcaga	aggcgatccc	atcatcgacc	tgttactacg	gaaagggtgca	gatgtcagcg	60
tcaagagtgt	ctcaggccag	gtatgtatca	atgactacag	accagactac	tagttttctca	120
ttccacacag	ctcgttctca	ccagaatgcc	ctccatttctg	caacgtccaa	aggcaacctc	180
tccaccgtgc	gcacgctggt	agccaacaaa	tgcagtgcc	gagtcaagga	cagaagaggg	240
caattaccac	ttcaccgcgc	tgcggcgatc	ggatccattc	ctatcatcaa	acttctcctg	300
gaggaaggga	agagtcgggt	caatgctacc	gatatcgatg	gcttgacagc	tctgcatcat	360
gccatctccg	agggctcatg	ggatgcggcg	atcactttgc	tcaaggctgg	tgcggaggcc	420
gacaagaagg	attctgaagg	tcgtctggct	attgagacgg	cgccggatgc	gaaagtgagt	480
tgtccgcgat	tttcgtggct	gatgtataaa	cgagctgact	gtcgatctct	tttaggttaa	540

<210> 9581

<211> 1581

<212> DNA

<213> A.fumigatus

<400> 9581

gcggatcctg	ccagccgcgt	ggtgaagatc	ttgaaagatc	ttcttgggtca	cgatcgcgag	60
catgctaata	tgccacttgc	cgtgttatct	gccaaagagct	ttagttggga	tattctagga	120
gcgaatatgg	tcgacgaaaa	ccggaagacg	gttgatgtag	atgggaccac	gacctctgtt	180
gctccccccag	agacagttag	tggcggagac	gatgcgacgg	ccccggagaa	tgaaccaccg	240
cttggtgtcgg	agaaaacgca	gcttcgcttc	aaaagtattc	tgagccggta	tttggaagat	300
gtcaaggcgc	acgttggttcg	cgaccagaga	gcattggcag	cacagagccg	tcgaaatgcg	360
gaagcctacg	tcaagagtgg	tgagatatct	gaggatcgct	aggcgaattt	tgacaagcag	420
agcaagtcac	tggagaaact	ggttgcgaa	actcaggtat	tgtgcgaggt	tctaggagtg	480
gaaatgcccg	tcttggttga	gcaggaagca	gctgattctg	cttcgagtg	cggaatcggt	540
cttggtgaaga	cttcggaata	cctacgtggc	cagggcgaa	gccccgggtat	ttgggaggat	600
gaagaggaac	ggcgtttcta	tgaaaacttg	gttgatctca	aaggcaaggt	accgccggtt	660
ctgcttgaag	atggtaagaa	gaaaaagtc	gactccgacg	atgctgcaaa	gaagaggaca	720
gacggcgaag	ctacccccga	ttcgagtgtg	gagaagcctg	agaacgcaag	ccaaactcca	780

acatccgaag	agaagtctgc	tgcggaggcg	gaagatcagt	ctaccgctat	cgccagcaag	840
accgtgggag	ctcaggtaga	tgtctctctg	gctaggctcc	ccgaacttca	aacgaaagac	900
caagttgac	agctggcact	cgagttctgc	tttcttaact	ccaaggcgctc	gaggaatagg	960
ctcatcaagg	ctgtgtcaga	tgtcccaaag	ggtcgaagtcg	atcttttgcc	attgtattcg	1020
cgactgggtg	caaccctcgg	acagtatctc	caggatatac	ctcaagggtt	aataacttac	1080
cttgacgaag	agttccgcag	tcttcaacgt	cggaaatcca	aagaattcct	cggccagggt	1140
cggatgacca	atatccgtta	tttcgcagag	ttgaccaa	tcgggtgtcgt	tccggagcat	1200
atcatctttc	actgcttcaa	ggtttccctc	gatgactttt	cgcgcagtaa	cattgagatt	1260
attggccatc	tgtctgaaaa	ctgcggacgc	tacctacttc	ggaatccaga	aacatccccg	1320
cggatggctt	ccttcttgga	gaagctcggc	aggaagaagg	cagtccaaca	tctgggtcag	1380
caagaaagaa	tgatcatcga	gaacgcaatg	tactatgtcg	acccgccgcc	gcgacctgct	1440
attcaacaaa	aggagcgcac	gcctatggag	tcctacatcc	gcaagctgat	ttacctagac	1500
atgaacaagc	gtaattacac	caagggtttt	aagtcaattc	gaaaactcca	ctgggaagag	1560
caagatgtaa	gccactcta	a				1581

<210> 9582

<211> 381

<212> DNA

<213> A.fumigatus

<400> 9582

tctttcttcca	ggtatctctt	cttcccgcctc	agtcttcgag	aggagtgtgg	tctgacattt	60
tcacagtact	attatcttac	aaaggatcct	ttgcctatgg	acgtcgaatt	cttgatccag	120
gacaccttcg	ctatggctcg	tcctcaatgg	aagttgatga	ctgatttgca	ggaggccacg	180
cggctgttca	gtgaggcagt	cgctcagaac	tacaagactt	cggattctga	gcgtcctgtg	240
gagccggatg	aggatgatgc	agaaagcagc	tcgtctgatg	acggctctga	ggatgacgcg	300
attcccogagg	ctgaagaaga	acaggagtcg	agcgatgaag	ctgaagtgag	tttcacatcc	360
atcaggggcga	agtcgccttg	a				381

<210> 9583

<211> 252

<212> DNA

<213> A.fumigatus

<400> 9583

gtgggtcgata	ttatggagcg	tgtcttttagt	aagccgggtca	aggtaaata	cggcaatatc	60
caccttctcg	ctattcttgt	cagtgcactt	tacaggatc	accaggactt	cgtgattagt	120
gttgtagaca	acatcctcga	gcagatcaca	ctgggactcg	aacagaacga	tttcaagttc	180
aaccagaagc	gtgtggctga	agtcaaatac	ctcggggagt	tgtacaacta	taaaatgac	240
gactcaccgt	ag					252

<210> 9584

<211> 402

<212> DNA

<213> A.fumigatus

<400> 9584

tctttgatac	gttggtaccg	attgtcactt	ttgggtacgg	taagcatctt	tggattcatt	60
attgttttct	attactcaca	atattatgta	gaggggtggca	ctccgattcc	tggaaagctc	120
aaccactag	atctaccaga	cgatttcttc	cggattcggc	tagtctgcac	tctgctggac	180
acctgtggtc	attgttttga	tcgtgggtct	gctaaaaaga	agttggattt	cttcttgatc	240
ttcttccagg	tatctcttct	tcccgcctcag	tcttcgagag	gagtgtggtc	tgacattttc	300
acagtactat	tatcttacia	aggatccttt	gcctatggac	gtcgaattct	tgatccagga	360
caccttcgct	atggctcgtc	ctcaatggaa	gttgatgact	ga		402

<210> 9585

<211> 252
 <212> DNA
 <213> A.fumigatus

<400> 9585
 gctaactttc attctttctc tgtcactggt atcatcatca tcatcatcat catcatcatc 60
 atcatcatca tcatcatcat ctatgccctt gaatgcaatc aaaatcctcg taccacacat 120
 cctctgcaat ccttttgtga tcgtccccc cagctgtccg gcggatcacc accactacta 180
 aatcactcgg caatccgtat cgtctcccc cgtctccgca gcatttctcc ttgcctttca 240
 tcaccctgtc ag 252

<210> 9586
 <211> 606
 <212> DNA
 <213> A.fumigatus

<400> 9586
 atgtggtcgc tgccggtgac tacatctgga cggccacccc gaagtccagc atcaaccgct 60
 ggtacgatgt cgataccact gccgagattg agtctccctc gtcgagggga cccgcagac 120
 tctgacgcag ctaaacctga ggagtcgtcg gtgcggaaag gtcggcgaac aaagatcccg 180
 tacgagtcaa tctactgtt gacaagcaca tcgaccttcc ccaagtcaca agtaccagaa 240
 ggcacatctg agggctctgc gaccaacgga caacagcgct caccgatcc gaccttgga 300
 gacgatctgg acctcaatct accagtgtac tctttaccgg acgagacgat agaggggcaa 360
 catggtttga ttaagcattt catgctgaac gacagaaagc gcacgcttac gcaagattcc 420
 gccggtgagg tcgatctttg ggatcttctg aagggtgat tctctctctg ccattccctcc 480
 ataaggtttc ttctgaccct tgcagtgcaa accaatacaa tctttcggca agcgccatat 540
 ggacgacgtc gcacgagaga tcaatactac agagagcacc gctcactggt gcacgatcga 600
 cattag 606

<210> 9587
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 9587
 tctcagttca ttactcctct tctctgcac ttcctctctt ttccgtcttt tgaattgtgc 60
 tacttgacca ttgagctaac tttcattctt tctctgtcac tgttatcatc atcatcatca 120
 tcatcatcat catcatcatc atcatcatca tcatctatgc ccttgaatgc aatcaaaatc 180
 ctctgacccc acatcctctg cactcctttt gtgatcgctc cccccagctg tccggcggat 240
 caccaccact actaa 255

<210> 9588
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 9588
 cccttgcaat gcaaaccaat acaatctttc ggcaagcgcc atatggacga cgtcgcacgc 60
 gagatcaata ctacagagag catcgctcac tgggtgcacga tcgacattag gacaggccgg 120
 ttatcggtca tcttagagct caatcgctgc tttagcgccg aggtctacgc ggacgaggct 180
 gacctccatg attactccca gatcctggga gatcaaagaa gtgggtga 228

<210> 9589
 <211> 963
 <212> DNA
 <213> A.fumigatus

<400> 9589

ctgactgctg	ccttcccaag	gtattccgct	ggccgcatg	gagtgatctg	cgcatgggat	60
ctcaacctcc	ctctctccgc	atccaaatcc	tctccagctc	taggcgctca	gaagtcagga	120
ccgactacct	tcagacatca	agtgcgaagcg	cacagccatt	ggataaatga	catcgtctta	180
acgcagaata	atacggccct	cgtttcggct	tcatccgata	ccaccgtgag	actctggcga	240
ccacactcgg	aatccaccga	gctgccatca	cccacggca	aacatgcaga	ttacgtcaag	300
gcccttgcca	cgcccgagg	gcactcaagt	tgggtggcct	cgggaggact	cgatcataag	360
cttcacctgt	gggatctgaa	tgggtggcgc	gagcttctta	gcacgatgc	ctgcggaggc	420
gagagcacgg	ccaagggttc	tgtttatgcg	ctgggggcag	tctcatcggt	cctcgccagc	480
ggtggcccg	agagcgtggt	cagagtctgg	gatccgaaat	ctggaaagcc	gatcacgaaa	540
tttgtgggcc	acacagacaa	catccgagac	atcttgatta	ctcgagacgg	agataggatc	600
atgacggcct	cgtccgacca	aacgatcaag	atctgggtctc	tactgcagg	aagatgcatg	660
cacaccttga	cgatgcacaa	cgacagcgtc	tggtcgtctc	actccagcca	tccccagcta	720
tccgtcttct	attcgagcga	ccgttctggc	ttggttgcca	agactgacac	aaggcactgc	780
tccgacgtgg	atcagggcat	ttgtgtcgca	gcgttgccag	aaaacgcagg	cgtcgtgaat	840
gtggtcgctg	ccggtgacta	catctggacc	gccacccgga	agtccagcat	caaccgctgg	900
tacgatgtcg	ataccactgc	cgagattgag	tctccctcgt	cgaggggacc	ccgcagactc	960
tga						963

<210> 9590

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (182), (253), (267)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9590

tacgccgaaa	cagaccgtca	cccgtctgcc	atccccaatc	cacacaacac	agacaaaaac	60
gacaccgct	ccctctctc	atcaatctac	taccatctca	accccgactc	ccaacctgcg	120
tcttcacctg	aaaccgcagc	gcacaatcac	gccctccatc	gtggctctgg	gcggtatgtc	180
antatccacc	ccgattcggc	gaacgacaat	ggcacggcgc	ccgttacgtc	cttcgtggtc	240
ggtccggatc	tanaacaggg	ggagaanaat	cattgtgttg	tttaa		285

<210> 9591

<211> 498

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (427), (498)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9591

tacaatttta	tcttgtatct	actcggtaga	aacgaacaaa	cacctagata	cacatctctc	60
tctaccacaa	tccatctacg	acgtatacaa	gttcccga	taccatggac	atccccatcc	120
cctccattca	accattctat	cacccatctc	ccaccagccc	caaaccatc	cccgaatcca	180
aatccccatc	catccaaaca	atcctccaaa	ccctccatct	ccagcctcac	ccagaaggag	240
gttagtacgc	cgaaacagac	cgtcaccgc	tgcctatccc	caatccacac	aacacagacc	300
aaaacgcac	ccgtccctc	tcctcatcaa	tctactacca	tctcaacccc	gactcccaac	360
ctgcgtcttc	acctgaaacc	gcagcgcaca	atcacgccct	ccatcgtggg	ctggcgcggt	420
atgtcantat	ccaccccgat	tggcggaacg	acaatggcac	ggcgcccggt	acgtccttcg	480

tggtcgggtcc ggatctan

498

<210> 9592

<211> 678

<212> DNA

<213> A.fumigatus

<400> 9592

cagtgtgtga	aagtctacca	tcttagggtc	aaagcccaag	caatctacgt	gcctaccatg	60
gccagcactt	cccaaagtcg	tttccatgag	gatctacgag	atgatggatc	gaccccttgat	120
gacgacttaa	ttgaggccga	tgacgggtgag	tacatctcgt	tttccagggt	ctccctcgat	180
tgtatcagac	cggctcttgt	ttgtttaccc	gagctactac	gatgtactga	cacttggttac	240
ctttctatca	tgccagccat	cgaagccgat	gaccctcttc	acacttccga	taccgctccg	300
ctaagaggca	acatccaatc	cgaaccctcg	agttcgagca	gaggagggtt	tggaagcaat	360
ctatctagca	attacctgac	atcgaccatc	ccgggagagg	atcgccgcgc	aacgcagAAC	420
accatcgatg	aaaccgtttg	ggagacgctc	tcacgagact	tacgagcagt	atggggagaag	480
atgcgccaaag	tggtgtggcc	caagtacctg	atgggaggta	tgctgcagcg	cgtgggagga	540
ggcattgggg	ccgccgagag	gggcgaagcg	acgggggttcg	gtgggtgggt	cagaggcctt	600
gtaggacgct	ggccggatgc	cgacgtggtc	ttgcagggtg	gaatgagtga	gggtctgcgt	660
gactgggatac	tttggttaa					678

<210> 9593

<211> 1290

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (164)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9593

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gcccgcctct	tgcttgaagg	cggcagcgac	cgcgattggt	acgatgtctt	cgcactcctg	120
aatcaaacta	ctgggcttcc	tatcctggca	aagaagcctt	cacntgagcg	ccaacgggag	180
tctgaggctg	ccagacgccc	aaagagccga	tccgctgaaa	ataaggagat	ggaagacgct	240
ccctttgttg	acgaaggcaa	ccgaccatac	aaaccagcag	agaccgaaat	ggaagaacgc	300
gaagaaaaga	cagagcaaac	agaagaagag	gaagacgatg	aggaatttga	aaatcttttt	360
gaccagtggt	tgtctactgg	ttcttcttcc	aaaacgaaga	aaggcaacat	tggtccatcc	420
tacgttggtc	taggtgatca	ggagctcacc	atacttattg	aaacttggtt	taccatgact	480
cagggtgttg	gtactggaaa	agcttactgg	aagtatctaa	cgctcgagga	tcacgagtat	540
accatcaaac	caggcatgcc	ttcgttacat	gcataattgc	gactactaag	agtgtatcgc	600
gctagtcgtg	ctacggtcga	tggtgtgctc	gaccagggtc	ccgaaccagg	ttggaaaacg	660
ttccacattg	cgatgagctg	ttgtcttcgc	gatcgcagga	atatcaacat	tctcaaaaat	720
gccaacgaac	tattgggaat	catggacaag	tccatgggtc	ttccccaccc	ccgggcgctt	780
gacaagtatc	ttaacctcgt	gcaaacacta	caggacaatc	cacagcgcc	catatcattg	840
aatggactga	agattgcgag	gaaaccctct	gacagcctcg	acgtcgtggg	ccggaaatta	900
cggttgagct	tgacagacgt	tgctttggag	aaccttcgtc	ctcatattga	caagctccat	960
gaggctctga	agaatggaaa	gacttcattt	atttcacacg	ttgagcggag	acaagcgggc	1020
gcgcccgata	cagtttgttg	tgcgaccgct	cgcacgggtg	tgatcgacac	ccgaggtctg	1080
attgacgagc	tctcaagcc	cgagaatgcg	cccttccttt	ccaagtcgga	ccgtgagcaa	1140
ctcgagcaag	agtcgcagaa	actccgcgta	tactcggatg	tcgagatggg	ccgaaagtgc	1200
gaaagcaccc	gattgcattc	aactttcgaa	cagggtcatgg	cattccagga	gaagcatgac	1260
cctaaacaga	acactgacga	ggccgactaa				1290

<210> 9594

<211> 258
 <212> DNA
 <213> A.fumigatus

<400> 9594
 gtaagagcat taaggaagat gcagatactg tccaagctcg cttoctacaa tcttccctct 60
 gtaaaggaaa tgacaaggta tactggcgag agcttagcta caagaaaaag cattaaggcc 120
 tatctgccc aatcatgcaat catccatgta tctagcctgt acaaaaacgt ttctggctgg 180
 aaatTTTTTA tgcaaatcaa ttcaaaaccc aagaatgtac ctggcagatg tcatttgccg 240
 accgcaactt ccagctaa 258

<210> 9595
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 9595
 gccatccggg gaaaaggtea tctgtcttgt tcttcttgt tgcggagaat tggcttttat 60
 gtagacgctt tgactcagtt tgacatgaag ttctctatct attataaacac catcaatgaa 120
 aattacggat ctcaacaaat aaactttgcg acagatactg gaataagtct ctcgatggca 180
 tatagagcct cgcaggttcg gctttatgtg gcttacacag tctttgactc tttataa 237

<210> 9596
 <211> 1203
 <212> DNA
 <213> A.fumigatus

<400> 9596
 agcactagcg ttttccggca gttgcgagtg aaaacttcgg acggtgcggc taacaccgca 60
 ccgtattcta gattggactc acggcaacgg aaaaagctcc acactgagaa actcgaggag 120
 gaaaagaaac acttcaactca ggttatcagt gagcttgaag aagcgttgca aaacatgaag 180
 ttgcgtgagg ctgagctcct ccgtgaaaag agcgagtggg tggcagccca gcagcagatt 240
 aaccagtaca tcgaaggcct gcacatggat aaggacgaga tgcttcgcgt gcacaccctg 300
 gaaacggctg agcttcgaaa gaagaacaat attctcaaag agacagtgga gaagctcgag 360
 agacagatgg gatcatcggc taccaataat ctcaacacgg acttctctga ctttgagaat 420
 tttaccatgg acaatgcgcc ttgggaagac ttcaccatat ccaacagtct tcctcttgag 480
 gcggagtcca ctctgctac ctccacgatg cagtcacatc caatggatgat gtcagcgagc 540
 gatagggtca ccgagaagag tacaaacaca gcctgtgact accctttcag ctggaatgcc 600
 ttctacatgt gtctgctctt tggcgcgttc ctggcttoga acggcccatc gctctctca 660
 cgttctattc cgcaattgtc ggaggagtac cgtgccgagt ctgccaacgt tttgaaggca 720
 gttctcgccg cctctccacc agagctcgca caggcgaaca ctgagcaagc ggtggcatcc 780
 tcctctcccg ctgctccaat gccaacgacc atcagcggag cggagatggc tcaaatgact 840
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 aaggagcagg agcgagagca ggtcttctcc ctcaatgctg accaatacaa tgccctgacc 960
 acctttgacg agtctcatgt cgactacaag tctcagcctt ctaatctgca gcaggctttg 1020
 gccgcgatgc ggaacaatgc tgctttcaat aaactgccga acaaggctac atccgacgtg 1080
 tacaccagat ctttgatgtg ggatcgcggt cctgagaagg tgattcgcca ttttcaacgc 1140
 atgggttcagg aatttggcgc ttcacctatc aaagaggagc agtccggctt cagtcaggcc 1200
 tga 1203

<210> 9597
 <211> 249
 <212> DNA
 <213> A.fumigatus

<400> 9597

tatagcggac	atttgttcct	cacagcgtac	tttagtcac	tcgtctcgtt	ttccagcggc	60
attcccagtc	agagtcacct	taaacttgcc	tgcccttcac	gaaagcactt	tgacaaaacg	120
ttacgttctg	ccgcttcctt	tctcgcttc	atcaacgatt	ttcttttcag	ccaaacatct	180
ctagcgttc	tagcgcttta	cgctatcgag	ctacgcgact	ctcttttggc	cacatttagc	240
cagacttag						249

<210> 9598

<211> 369

<212> DNA

<213> A.fumigatus

<400> 9598						
attgaatcac	ttcactatgc	aactctacaa	agcatatcgc	ggttgagaag	ttccggaccc	60
accagctga	tcattgacga	tcccggcatt	gatttattca	tgcaatgcgg	aaataagcat	120
aattggcgaa	tggagattct	gacatacggc	actttccaca	cgctctctca	catcaaaggc	180
aaggtgtccg	agtgggtctaa	ggagcacggg	tcaggaactg	aacctacaaa	ctgtttcgtc	240
agtttccgtg	tctcgcaagg	ggcgtgggtt	cgaatccac	ccttgtcatt	tcagtgttct	300
ttttgtttgt	tcatcatcgt	ttgtctgac	atctcttcgc	tctcaaata	cactgttata	360
cacgaataa						369

<210> 9599

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9599						
gccacctcgg	ccttttccca	gcagcactac	acgagcaatg	ctgaactatt	tatacaggct	60
gcggttgaag	cactgcacgc	tctttatagc	aggctgaatt	tcgaaataga	agacttccag	120
cctctcgtgc	acttgatgta	cgaaacagag	tacttgactc	ttctacggaa	attgtacgag	180
tggtccattg	tagggcccga	cgacatcgac	gatactaggt	acacgatctc	gaaaaagcta	240
tccgaggtag	gaacttctag	accagatgc	ctgccatga			279

<210> 9600

<211> 900

<212> DNA

<213> A.fumigatus

<400> 9600						
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gacctcgttc	gggcactgga	gtcatccac	aacccttcgt	caacaaatga	cctccgcagg	120
caagccctga	cctttgtgga	gtctcaaaaa	gaaagcaagc	tagctgctcg	taatgggttc	180
cttctggctt	cacgggtaga	aaacgctccc	ttggtccgct	attttggctt	aacgctcttg	240
gatcatgtac	tgcgtcacac	ttctttcacc	gccgcagatc	aggtggctat	cctcagagac	300
tttgtttctca	agcttgctga	gtctatccgg	ccagaggatc	cggcctatta	ccgcaacaag	360
atcccgcagt	tatgggtaga	gattgccaag	agaagctggg	gcctagactg	gttggctatg	420
gacgagattc	ttgtgcagtt	ttggggagcc	agtcttgtag	acaaggaact	tgtcctttcg	480
attctggaaa	cattgtcaga	ggacatattc	taccgcgaag	acaccgtctc	atccttgcca	540
ggcacagatc	tcaacagagc	attagtggag	atctgcacac	cactgtcagt	ctttgaggag	600
atctatccaa	agcgcgagca	ccatgttgag	cttcggtgtg	ggaccgaggg	atggctcgca	660
aggacatgcg	agttccttat	ctactgtgtt	gagaacctgc	aagcttccat	acaggccaga	720
gacgcagcgc	tcaaagctct	tgcaaacctg	aagtccatct	tagtttgggc	aatccccaag	780
gccatcatgt	ccacaaattg	tgtctcgagt	atcgtaaggc	cgcttacctg	tagtgatgag	840
caggtgttgt	tggtaaagcca	cctcggcctt	ttcccagcag	cactacacga	gcaatgctga	900

<210> 9601

<211> 1317

<212> DNA

<213> *A.fumigatus*

<400> 9601

tggggattgc	caaggccggt	gcttctagcc	cacgtgggtg	aagacgaggg	cgacaaggag	60
gcgcgtggcc	agaaggtggt	cgtggatgag	gaaaaggaag	caaagaagaa	gaagaaggct	120
aaggacgcaa	aggcagtcaa	acttgatgat	gccctcgta	aggaatacga	ggagattttg	180
gcgcaaattg	ataacttcga	tggcactcag	ttggaagaga	tcacgcgcaa	acacgacatc	240
agaaacccga	cgaccgatgg	caacctcctt	cctcccgctg	ctttcaacct	catgttccag	300
acctcaattg	gccccagcag	caacatgccg	ggttacctgc	ggcctgaaac	cgctcagggt	360
cagttcctga	acttccagaa	gctgctggag	ttcaatcaac	aatccatgcc	tttcgcatcg	420
gcctccatcg	gcaagtcttt	ccgcaacgag	atttcgcctc	gcgcgggact	gttgcgcgctc	480
cgtgagttcc	tcattggctga	gattgaacat	tacgtggacc	cggagggtgg	caagaagcat	540
caccggttcg	aggaagttaa	ggatattgaa	atggctttcc	tcaaccgtaa	cgttcagctc	600
tctggatgca	ccaaaactga	gaagatgacc	attggtaagg	cggttgagac	cggtatggtc	660
gacaatgaga	caattggata	cttcattgcc	cgtatccagc	tgttccttct	caagctcgcc	720
gttgacccca	acaagctccg	cttcgcgcca	cacatggcta	acgagatggc	ccactacgcc	780
gctgattggt	gggatgcgga	attgctgacc	agctacggat	ggattgaatg	tgttggtctg	840
gctgatcgga	gcgcctacga	cctgacagtg	cacaagaaca	agaccggtgc	acctcttggt	900
gtccgcgagc	cccgggcoga	gcctttgaag	atcgaggagt	ggcagggtga	tctggacaag	960
aaaaagttcg	gacctcgttt	caagaaggac	ggcaaggctg	tcgcggctgc	cgctcaggcc	1020
ctttctcagg	agctccgcga	gaagttggcc	attgatctgg	agaagaatgg	caagattgag	1080
gtggatgtcg	aaggtgttgg	ctctggtaag	gtggagcttg	accaggacat	cgtcaagatc	1140
gagaaaacgca	ctcgcggtga	gaacggtcgc	gagtacacac	cgaatgttat	cgagccttcg	1200
tttggcattg	gtagaatcct	gtacagcatg	attgagcatg	tctactgggc	tcgtgaagaa	1260
gatgaagccc	gtggtgtacg	tatccctata	tcctcaaggt	gcgttggaca	ccgctaa	1317

<210> 9602

<211> 384

<212> DNA

<213> *A.fumigatus*

<400> 9602

gtcctctect	tcccgctcgc	aatcgctccc	accaagggtc	tgattgttcc	tctctcgaca	60
cacgcatect	tccgccccct	cctgcagcag	ttgatgacca	agttgcggcg	catgggtatc	120
tccaaccgtg	tcgatgactc	ctcggccagc	atcggttaagc	gctatgcgcg	taatgacgaa	180
ctgggcacac	ctttcggcat	cacggttgac	tttcagtcgg	tgaaggacaa	caccttcact	240
ttgcgtgacc	gtgacacaac	caagcaggtc	cgtgccagcg	aggatgagat	tctacaggcg	300
attaagtcct	tggtggacgg	cgagaagaca	tgggaagata	ttcgcaaaga	acttcctgaa	360
tttactggtc	aggagggtga	ttag				384

<210> 9603

<211> 858

<212> DNA

<213> *A.fumigatus*

<400> 9603

tgcgaaacgac	aattgtacac	tcttcaaaga	taccaacctt	ctcaaagtc	ctcagattgg	60
gtgagctccg	cgctgttgtg	cctttttaca	acggaaacgc	taacagcccc	ccatttcagg	120
gaggatatta	cgacgtgcc	gaagaaagga	aagaccattc	tgttttctat	tggcggggcc	180
acatacagtg	aaggaggatt	cagttcagaa	cccgtgcaa	aggccggcgc	cgaattggtc	240
tggcagacct	ttggaccgcc	ctccatcaac	gcgacggccc	atcgcccggt	cgggaatgcg	300
tcggtagacg	gattcgactt	tgacttcgag	gcctccgtca	gtaatgttgc	tcccttcgcg	360
aacaggcttc	gtgaattgat	ggatgccgat	caccgcagag	attatttctt	gacggctgca	420
ccccaatgtc	cgtaccctga	cgctgccgat	aaggatatac	tcaacggctc	ggtgtccggt	480
gacgctgtgt	tcgttcagtt	ctacaacaac	tggtgcggat	tgaattcttt	tgaggccgga	540

gagagcaagc	agaacagctt	caacttcgac	gtctgggaca	actgggcca	gacggtttct	600
ctgaacaaga	aggccaaggt	attcctgggc	gtgccggcga	acactggcgc	tgcaggctca	660
ggctacgtgc	ctgtagatac	cctgaagccg	atcatcgaat	acagcaagaa	gttttagcagt	720
tttggcggcg	tgatgatgtg	ggatgtcacc	caggcctacg	gcaacacggg	cttccttgac	780
gggtgcgccc	aggcgtggg	caagacggcg	tcccacgttc	gtcgcctcgtg	cgcctatcgt	840
ccttacggct	ggttttga					858

<210> 9604

<211> 312

<212> DNA

<213> A.fumigatus

<400> 9604

gtagaagttt	cccaggtcgc	tgttcctcct	ccatcgcttc	tctaccgcat	cgtcaggatg	60
gttcccaagt	ctcttctgta	caccatcttc	tcctcccttg	ccgtcgctct	ggcggcgctca	120
gtccccaca	ctgactatga	ggatgatgata	atcgggtggag	gcccctctgg	cctgagcgcc	180
gccagtgggt	tgtcgcgggt	gcgcgggaag	aacatcgtgt	tcgactcagg	cgagtatcgt	240
aatggtcgga	caaggaacat	gcacgatgtc	attggcaacg	acggtagctg	tccccatttc	300
ccagctttct	ag					312

<210> 9605

<211> 345

<212> DNA

<213> A.fumigatus

<400> 9605

cggctgtgca	aactaacgtc	ggtcttcgca	ggcgccgtcc	ccagcgactt	cgcgcgactt	60
gcccgcgaacc	aaatctccaa	gtacaaccag	acgacctggg	tgaacgaaaa	agtcgactcg	120
gtccgcgtca	tcaccgacga	ggaagcgaaa	caccaccta	ctttccgcgg	cctgggtagc	180
cggggaaaaac	ctaaacaagc	cgggaagggt	attccttggg	accgggctgg	aagggcaatc	240
ctgcccggag	acaccccggc	ttggaacaaa	acctggggga	aaaggggtgg	accggggggc	300
cctggggggca	aaggggggga	aaccaccggg	aacaagcctt	ttggg		345

<210> 9606

<211> 1455

<212> DNA

<213> A.fumigatus

<400> 9606

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cgggatgcc	atgctgttgc	cttggagcag	caggcagatg	tggacgaaga	caccttgaag	120
gaaatattatg	gtgagaagaa	ggagcatggt	aacattgttt	tcattggaca	tgtcgatgct	180
ggaaagtcaa	ccctcggcgg	atccatcctc	tacgttactg	gcaacgttga	tgagcggaca	240
ctagagaagt	acaagaggga	agcaaaggag	gctggctcgag	agacctggta	cctttcatgg	300
gctctcgatt	tgaccaacga	agaacgagct	aagggaaaga	ctgtcgaggt	cggcgtggc	360
cacttcaagc	tcaccgtgca	gtctcccgat	ggtcccattg	agagacactt	ctccatcctc	420
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aacattaatg	cccccttcat	gatgcccggt	agcacgaagt	accgtgatat	gggaacgatg	900
ggtgagggtc	gtatcgaagc	tgggtgttatc	aagaagaacg	ccacctgcat	catgatgcct	960
aatcgcacca	aggtcgaaat	tgctgctctc	tacgggtgaga	ctgaagacga	aattgccact	1020

gcaacctgtg	gtgatcaagt	ccgtatgctg	ctcagaggcg	tagaagaaga	agacctcctc	1080
cctggattcg	tgctctgctc	tcccaagcga	ctagtgcact	gcgtctccgc	ttttgaggct	1140
aagatccgta	tcctcgagct	caagaacatc	ctgaccgctg	gttataactg	tgtcatgcac	1200
gtccactcgg	ccgttgaaga	agtcacgttc	gcggcactcc	tgcataagtg	cgagcccggc	1260
acaggacgca	ggagcaagcg	cccaccacca	tttgttagca	agggtcagac	cattattgct	1320
cgtcttgagg	ttatcagcag	cgcaggtgcc	gtctgtgttg	aacgtttcga	ggattacaac	1380
cagatgggac	gtttcactct	gagagatcag	gtaagcgatg	ttttatccgt	gccatatctt	1440
gggtcacatc	actaa					1455

<210> 9607

<211> 555

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (12)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9607

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ctctgcggcg	cgatatcaga	catgatcaat	gagcgtcccg	agacagacgc	tctggatctg	180
gaagacgttc	tgatccaggt	gatgaacgat	gagtttgatg	ttgtggtaga	tgatgacagc	240
gcggcgcctg	ttgcggcgca	gatcatggcg	atccggggagc	agacggcgag	gggggagttc	300
ggctttgtgc	aggagctgtg	ggaggcgtgg	cagaggaagg	ctcagcaaaa	ggggaataat	360
gtggcggcgg	cgtttaagca	agtgaaggcg	ttggatgatg	aggataccga	tgaggaggat	420
gaggttgagg	aggacgagga	cgaggacgtc	gatatggacg	aggctcctgc	tatcgtacga	480
gcgcctaggg	agagggtcga	gcttgaagtt	gacgaggacg	ggtttactaa	ggttgttggg	540
aagaagagga	gataa					555

<210> 9608

<211> 816

<212> DNA

<213> A.fumigatus

<400> 9608

tgcgttggga	gagcagagca	cgaatccagg	gaggaggctc	tcttcttcta	cgctcttgag	60
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gagagcagca	atttcgacct	tgggtcgatt	aggcatcatg	atgcagggtg	cgttcttctt	180
gataacacca	gcttcgatac	gacctcaac	catcgttccc	atatcacggt	acttcgtgct	240
cacgggcatac	atgaaggggg	cattaatgtt	acgttcggga	gtcttcattt	cagcaagata	300
ctccaggaga	gacggtccat	tgtaccatgg	tgcaagttcc	ttggggacac	gacctttaat	360
acccgtagtc	tgctggggcg	atatgggcat	gaaggtaaga	tcgtccttct	tgtagccgag	420
agcctccaag	aacttgagga	ccttaactgt	acactcatcg	aaacgagcct	tgctccattc	480
gacagtcggg	tcgtccatct	tgtaaacggc	aacaatgagc	tttttgacac	cagtgttccg	540
ggccagcaga	gcgtgctcgc	gagtcctggc	acccttctcg	aaaccagtct	cgtattcacc	600
cctacgagca	gagatgacaa	gcacaccgac	atcggcttgc	gaggcgccac	caatcatgtg	660
gtggacgtag	gatttgtgac	caggagcatc	gaggatggag	aagtgtctct	caatgggacc	720
atcgggagac	tgacgggtga	gcttgaagtg	gccacggccg	acctcgacag	tctttccctt	780
agctcgttct	tcgttggtca	aatcgagagc	ccatga			816

<210> 9609

<211> 1428

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9609

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gaactgggca	ccgcttcgaa	tcgtccttgc	gttcctccgt	ctccttcgga	catcgtcact	180
atcaactata	cctccggtac	taccggtcct	ccaaagggtg	tggtcttaac	ccatgaaaat	240
gccgtagctg	ctgcctcttc	ggctctcgtc	aacatccggc	aggccccggg	tgacacgagt	300
ttgtcttata	tcccgttggc	ccatatctat	gcccgtttag	cggagcatac	cgctttctgg	360
goggggtgcg	gtatcggcta	cttccacggc	aacatcgtcg	aattgggtga	cgatatcaag	420
gcgttgaaac	ctacggcatt	cttctctgtg	ccccgtcttt	acagtcgctt	tggcaacgtc	480
attcgtgggtg	ccaccgtgga	gcaacccggc	ttcaagggtg	ctttgtcgag	gcacattggt	540
gccgccaaaa	ctgccaatct	gaagaatccc	gaccctagca	aagccaccgt	gaagcatgct	600
ctatacgaca	gaatctgggc	caagaaggtc	tctgcagcca	ttggtttgga	acggtgtaga	660
ttcatgggtt	ctggatcggc	gcctctcgac	ccctccttgc	acaacttcct	gagagttgct	720
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cagtctgcga	aggatcttac	cgccggcaac	tgtggacgta	tcgctccttc	caccgaagcc	840
tgtctgatgt	ctctgcctga	catggactat	tcggtggatg	acaagccggt	cccgcggggg	900
gagttacttc	tgcgtggtac	caatatcttc	agggataact	tcaaaaaccc	agaggagaca	960
agcaaagcaa	tgaccgagga	tggctggttc	cgcactgggg	atgtttgcac	aattgatgaa	1020
atgggtcgct	ttatcatcat	cgaccgccgg	aaaaatgtcc	tcaagctcgc	ccagggagag	1080
tacatctctc	ccgaacggct	tgagggtgtc	tacctgtctg	agcttagtta	ctttgctcaa	1140
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gatacattcg	ctccatttgc	tagcaaagtt	ctcggtcgga	ctatcgacgc	tacagacatt	1260
gagggactga	agtcggttct	gggtgatgac	aaggctccga	aggccgtgct	gagggacctc	1320
gagaagatcg	ccaagaagca	caaacttgct	ggttacgaaa	gggtcaagaa	ctgtgctttg	1380
ctcattgagc	ctttctcggt	tgaataataac	ctgctgactc	cgacgtaa		1428

<210> 9610

<211> 258

<212> DNA

<213> A.fumigatus

<400> 9610

cgggcgaccc	tcccccaaag	tctggctttt	tttttttttt	tttttttttt	ttggaacgtc	60
tctgcacatc	tacgtagcat	atgtcgactt	tgcgatctca	cttggtacgt	ggcttgatt	120
atctctacgt	tgggaaagaa	ctggacctgt	tggctgcttg	acaagtgcga	gatcatccag	180
aatttcgtct	ttgtctccaa	tgtccatat	tgcatacat	gcaagatgat	ggaaatacca	240
gtccacagcg	ccgagtag					258

<210> 9611

<211> 1581

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (102)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9611

cctccggcgg	acactgcata	tacctggggg	cgaagacgaa	gtcctgccc	acgggacagg	60
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acaccaatcc gaattgtgta cgcacggttc agcgcaaaact cncgggataa agtggacaag 120
actcttctgt tctatggcca ttacgatggt gtgagtgcgg atgccaaccg aaccaagtgg 180
aataccgata cataccagct ggcattccatc gatggctttt tgtacggccg cggagttttcg 240
acaacaaaag ggcctatctt ggcggcattg tatgcggcag cggatctagc acggcaaaaag 300
gcgcttcctt gtgacgttgt tttccttatt gagggcgagg aggagtccgg gtctcaagga 360
ttccacgaga ccgctcgaca gcacaagccg gaaattggat cggttgattg gattctactg 420
gccaacagtt actggctcga cgattacaac ccgtgtttga cgtacgggtt gcgggggggtg 480
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agcaagagca aggcccgcca gcgtccgccc ctcagcagca cagtaccac ctcgctccacg 1260
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aagcccgag cccctgcaca ggagccgggt gccaccggt ccactgtcca gccgatcttc 1380
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gcggccaatt taccctgtgg gcaggcgagc gacaatgcgc atctgtacaa tgagcggttg 1500
cgggtggaga atctgtacaa gagtcgggag atcttccagt atgtattttc gcggttgccg 1560
aggcgccacc gtcccagtta g 1581

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<210> 9612

<211> 402

<212> DNA

<213> A.fumigatus

<400> 9612

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ttactgatat tccacaccgc gccagaccag aatgacgaat cctgaaccg ctggaaggcc 60
tccctcggcc tcaacaccgc caaaccgatc ggtgatccca acgacccag aaaatgcac 120
atcagggtccc tgtccttgga ggtcgagggc cgcgccgacg tggtgattga gctgtccgcg 180
cccggcgccc tcgaggcgct caaggacaag ccatctacga tcaaggaggg agcgaccttc 240
cgcacaaagt gcaagttcga ggtgcaccac gaggtcctga gcggtctcaa gtatctgcag 300
gtggtgaagc gcaagggaat cagagtcagc aaggactatg agatgctggt gagtattatt 360
gattcaggaa gcgtgacctg ctgcgtgcgt cgtttaacct ag 402

```

<210> 9613

<211> 414

<212> DNA

<213> A.fumigatus

<400> 9613

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gtcctccgta tactcttggg ttccttctct tgcattcttt tagatttgta tctcttctct 60
ccgacctctg tccggtatac gttgcatata tatatatata tagataccct cccgctctta 120
tccctgcccc ctctctctgt gccaccatcc ttggttcagg taccocgcca aaaaagaagc 180
cgtcaacaaa caacagctac actcacaatg actgaacacg acgatgatct cgttgccctg 240
aagaccgagg gcttcaagggt aggagagaag aagacaattg aagaatacac aaaactcggt 300
atgtcgaggc tccttagact tccttatgcc agtcatgctg gcaattcttc cctccactcg 360
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<210> 9614

<211> 210
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (180)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9614
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 gattctagac ctcatcctca ccgcccttct catgatcttg aagcaattgg tatttttgcg 180
 tatgcccccc accagaccgt atcagactaa 210

<210> 9615
 <211> 633
 <212> DNA
 <213> A.fumigatus

<400> 9615
 gatctctcgc acctcgtacc acaacatcgt ctggaggatg acaagggtccg gaaacagctc 60
 gtcaataaca gtgccatgtc aggaaatgga tccagttcaa acgcagccac ttctctcctg 120
 gccggtggca atggccgtcg tgctactgct ggtaacatca ctatgggtct tcccatcgag 180
 gagaaggaga agggccctaa caagggtgac atcctgaacg gtgccgtggg ttggatgcgt 240
 gacttgatgt gggctcttca tgtaagctg cagcaggagt ctgagctcgc ggaattgatc 300
 actagtctcg gaggcacctg gccgtttgaa cagacggagg aggagaagcg catgcggagt 360
 gagattctgg acgctttgga gaagaacgat cctagcacct tcacttacag ccgaggaccc 420
 gggagcggct tgagagtgcc caagcatacc aacttagcgg gcgagcccat ttcccaaaac 480
 ggggcgctga gcccgcagag tctcagcccc tcttacaaca gtgggtggcag cagcaacggc 540
 gggaactcgg gtcaagcaca atattggaac agctccggtc acgcgggaat gagcttcaag 600
 gaagaagatg agtacgcaat ggagatgcag taa 633

<210> 9616
 <211> 498
 <212> DNA
 <213> A.fumigatus

<400> 9616
 gctgggtcaag atccgtctgc aggatcgccg ttccgcaggc aagtacaacg gtatgctgga 60
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 gacgctgtgg cgtcacatcc tctggaacgg cggctacttc ggctgcatct tccaagtccg 180
 cgcgcagctc cccgctgccg aacccggcaa caagtcccag cagacccgca acgacctgat 240
 cgcgggtacc atcgggtgga tcgcgggtac cgtcctcaac acccccatgg acgtcgtcaa 300
 gtcgcgcac caaaactccc ccaagggtcg cggtcagggtg cccaagtaca actgggcctg 360
 gcctgccgtt ggcaccgtca tgaagggaaga aggcttcggc gccctctaca agggtttcat 420
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 catggacttt ttccgtaa 498

<210> 9617
 <211> 744
 <212> DNA
 <213> A.fumigatus

<400> 9617
 atgtcagaag ctaatcgtgg gactctgagc agattctcac gtctataccg cggtatctcg 60

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<210> 9618
<211> 1005
<212> DNA
<213> A.fumigatus
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<210> 9619
<211> 1266
<212> DNA
<213> A.fumigatus
```

<400>	9619					
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tttgattcca	cccaagtcac	cccaaccag	tttgtactct	tcacattgtc	ggttatcggt	240
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aaacgcgggc	agaggcaatc	aatacctgat	gagaacgatc	tacaatcccc	attaggatcg	540
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ttccggcgtc	cttcatctcc	tgtcggctcc	ataaccgcgt	aatctcctac	gcagccatct	660
cccgggcctc	cgtctttgca	ctcacactct	cactcactgt	tgacgaaccc	atgggcggac	720
cacttggaac	aacacgttca	ggcttccaat	tccgaacttc	agcttcaccg	accagccact	780

cctccggaac	agtccgaaac	aggaaatgct	gattcagcag	tcctcttgca	gtttcctcct	840
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gaaccggctg	accgagcaag	taccgtcccc	cagactcctc	ccgcaaggaa	cctacgcaat	960
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aacaggggaca	gaggcccttc	agatgaggtg	gatgcaggtg	tggaccagca	tcttccattg	1200
caacttgcca	ctgctcgact	ccgtttctgtc	ttcaccacag	gggccgaagg	atccgcgcta	1260
tgcgta						1266

<210> 9620

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9620

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ggaggctggg	gtctcaaaaa	gtcatgaaa	gcagctgaaa	ctttccctct	tgaggccgcc	180
aattgtaggt	aa					192

<210> 9621

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 9621

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gatacctccg	acctggggccc	agtgcctgac	ctcctccgca	caatcctgga	agatactctg	360
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atgtatgagg	aagccaccgc	cagttcgccg	aaaaggccag	gtagtcgtcg	gcatggaagc	600
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aacgacacga	ggggtactag	ctactcggag	agggaagcgt	caagacgaga	agcgcagcag	720
attctatctc	agccatcgca	acctgagacc	gcaatttcca	atgtagccat	gccttcaccc	780
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agcaaaaccg	cgaagccatt	gccatcctct	caccttgccg	aaggaggaga	gagtgcgctc	1140
gccaaggctc	gcaccgcac	tccgacagag	tctcaggcaa	atgcttccgt	tacatcccag	1200
atacgccggg	acaaagtgcc	actcgggtct	gaagatggta	cgatcgatag	ccctacagtc	1260
gccggaaaaac	agccccggggc	gcctcagttc	gctgaggaaac	gtctt		1305

<210> 9622

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9622

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gctaacagtt	tggttttctc	ttttacagct	gcccgcata	agcgcaaccg	cgcgacccag	120
cagatcaagt	tcaagggttag	atgccaccgc	ttcatctaca	cccttgctct	gaaggactcc	180
gacaaggccg	acaagctcaa	gcagagcctg	cccccagggtg	cgttgccaac	ctaa	234

<210> 9623

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (136)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9623

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cagggattcc	cgcaactaac	aggtggcgac	ctgcagagag	ccctcctgcc	cactgagcag	120
gccacacgcg	acgatntact	cgagcgtgtc	agagcggatc	tgcgcgtacc	gccgagatca	180
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<210> 9624

<211> 1173

<212> DNA

<213> A.fumigatus

<400> 9624

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tggacgacgc	cagagttgct	gtcgagactg	gtgttgacgg	agtgtaaagt	gccctaccaa	180
cgttggcaat	cacggctgga	ttctgacttt	ttatatagt	acgtcgttat	tgggacctcg	240
tcctatctcc	gggagcactc	tcacggcaag	gacatgacct	acatcaagaa	caccgccatt	300
gaagtcatcg	aattcgtcaa	gtccaagggc	attgaaatcc	ggttctccag	cgaggactcc	360
ttccgttctg	acctcgttga	cctgctgtcc	atttactccg	ctgtcgacaa	ggtcggcggt	420
aatcgtgttg	gtattgctga	cactgtcggc	tgcgcttcgc	ctcgtcaggt	ttacgaactc	480
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gagaacaagc	ctctccttga	cctcacagct	gaagagcaag	ctcaatttgc	tgccaaggag	1140
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<210> 9625

<211> 297

<212> DNA

<213> A.fumigatus

<400> 9625

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aatgtctctc	gttttaagat	cattgagagt	acccttcgtg	aaggtgaaca	gtttgccaac	180
gccttccttcg	atacggagaa	gaagattgag	attgccaaag	ctctggatga	ctttgggtgc	240
gactacgtga	gtcatagcca	gctgctgtca	acatgttact	gggaagacgt	gcactga	297

<210> 9626

<211> 864

<212> DNA

<213> A.fumigatus

<400> 9626

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aatggtgagc	tgctgagcac	gagacttgat	agcgttccaa	cccgtcaagc	gcgaagcaaa	180
gtgaacgtat	ctggtcatac	caaaatcggc	aggggttgata	atctcgtatg	tgctgggggtt	240
gttgagggatg	gccttggcgt	ggataccggc	tttgtgggtg	aaggcgcaga	aaccagtgat	300
gtagttgttg	aagggaatgt	cgacttcaac	ggcagcggca	acaagatcct	caatgtcctt	360
gagcttctcg	agcttgtact	tgctcttgac	gtattcaggg	tcggcgacca	tcatacgggc	420
catgagacca	ccaaggggag	tgatgccgtt	acgctccccg	ataccaagga	cagaggatc	480
gatgtgagtg	gcaccagcct	ccagggcgca	gtaagcgta	gcgatggcac	acccggtgtc	540
attgtggaag	tgagtttcaa	tatcacagct	aacgacacct	ctcaacacac	ggacgagttc	600
gtaaacctga	cgaggcgaag	cgcagccgac	agtgtcagca	ataccaacac	gattaacgcc	660
gaccttgtcg	acagcggagt	aaatggacag	caggtcaacg	aggtcagaac	ggaaggagtc	720
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ggtgttcttg	atgtagggtca	tgtccttgcc	gtgagagtgc	tcccggagat	aggacgaggt	840
cccaataacg	acgtcactat	ataa				864

<210> 9627

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9627

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gctggcgccg	ttcattatga	ggctgataaa	cgcactgggg	gagaatccat	gttcagaaac	180
catattcccc	ctatatcaaa	ttatgaccgg	cctgcaacca	gtccccggag	tattactgga	240
gatatctccg	gagacaatgt	cgagccttca	ggtagagatt	actaa		285

<210> 9628

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9628

aatttgcccg	cggttgaaat	tggaggctat	tttgaacccc	taaaacatga	ttttattact	60
aaatctagtt	attcttgcgc	tacggacatt	gtaattacct	atggcctaga	atatgacagt	120
cactgcagca	tgggggtgcc	tattaagggt	gttattctgt	atctactacc	tactctggag	180
ggatag						186

<210> 9629

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9629

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aacggtacct	tttactgcg	caagtacgcc	gctgctcact	ggcggaggca	gaaggaagag	120
ggaaccgaca	tctacggcaa	caagctttcc	aacttcacat	atgggagctt	tgtggccact	180
gcctccatga	gtggccacat	tgtgaatttc	ccgcagatgc	aggccgcta	caacgctgcc	240
aaggcggctg	tgatccatct	ttgtaagttt	ggctggctgg	aatga		285

<210> 9630

<211> 270

<212> DNA

<213> A.fumigatus

<400> 9630

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gccaacaccg	tctctcccgg	ctacatcgct	acagagatct	ccaacttcgt	gcctcaggag	120
accaaggaca	tctggaagga	caagattcct	atgggtcgtg	aaggtcgtgc	tgaagagctg	180
aagggtgcct	atctctacct	ggcttcggat	gctgccagtt	acaccaccgg	tgctgacctc	240
gttgctcgacg	gtgggttactg	cgcaccataa				270

<210> 9631

<211> 1005

<212> DNA

<213> A.fumigatus

<400> 9631

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gagttcaccg	gaatcaagcg	tctgtctctc	actgaaggcc	tctctgacga	tgccttgacc	180
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aaagtctccg	gctacatccc	ctaccagtca	aacgagctcg	agatcgaggt	cgacgccgca	360
aaggccgccc	ccgtgccccca	ggccatcaag	ctcctcgacc	gccgcacaaa	ggtcgctctc	420
tgctccggca	gccgtgcctc	ggccctctcc	acggctctgc	gcaacgcggc	ttcctctgcc	480
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gcctcctccc	agtcttccgg	caagacgacc	tactactgca	ccgaccccta	cggctactgc	660
gactccaaca	ccctcgccca	cactctcccc	tccagcaacc	tcctcgccaa	ctgcgacatc	720
tactactcgt	atctcccggc	gttgaccagc	tctgcccacg	cccaggacca	ggccaccacc	780
accctgcacg	agttcaccca	cgccccggct	gtctactcgc	ccggtaactga	cgactatgcc	840
tacggatatc	gggcctccac	tgcccttgagt	gctagccagg	cgtgtctcaa	cgcggatacc	900
tatgcctctg	tcgctaaccg	tacccccccc	ctccttcccc	tctccacatc	cacttccaaa	960
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<210> 9632

<211> 519

<212> DNA

<213> A.fumigatus

<400> 9632

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atcagcaaga	gcacagcatc	agtaaagcag	ctcagtccaa	ttcaattcat	tatgaaggtc	180
actattctcg	cttctgccat	tctggccctc	atcaatgggtg	ctctggctct	tcctgccaac	240
accccgaccc	tggtatgtac	cctgaccag	gtcgacaaca	ctcgcatcaa	ggctaccgtc	300
aagaacactg	gcaacgagaa	ggtcaccttt	gtgcatctta	acttcttcca	ggatgctgct	360
cctgtcaaga	aggtgtcgct	cttccgcaat	ggtatctcct	ccgaagtccc	cccaacccca	420
accccccagac	caaacatact	gacgagtcag	ccaccgaggt	cgagttcacc	ggaatcaagc	480
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<210> 9633
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 9633
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 aggtcgccctc ctgctccggc agccgtgcct cggccctctc cacggctctg cgcaacgcgg 180
 cttccctcgc caacgccgt gccagcgctg cctcctccgg ctgctctact cgcttccagg 240
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 tcgccagcga ggcctcctcc cagtcttccg gcaagacgac ctactactgc accgacctc 360
 acggctactg cgactccaac accctcgct acactctccc ctccagcaac ctcatcgcca 420
 actgcgacat ctactactcg tatctcccg cgttga 456

<210> 9634
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 9634
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 aaccagagtc ataaccgtaa ctataagcat acccgtagcg tgaggcgagg cactgctgtt 180
 aaccctccg gcaaattcct tcgagacatt tatttccact atagcaacag tccgcgtcac 240
 tctcacacag ctggaaatcc tcggcgacgc cgggccactt cggactcgtg ggccggcatt 300
 tcgtcgccgc gcagtagccc gagcagcagg tga 333

<210> 9635
 <211> 642
 <212> DNA
 <213> A.fumigatus

<400> 9635
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 atatccgtag gcatagtcgt cagtaccggg cgagtagaca gccggggcgt ggggtgaactc 180
 gtgcagggtg gtggtggcct ggtcctgggc gtggcaggag ctggtcaacg ccgggagata 240
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 gccggagcag gaggcgacct ttgtgcggcg gtcgaggagc ttgatggcct ggggcacggc 600
 ggccgccttt gcggcgctga cctcgatctc gagctcgttt ga 642

<210> 9636
 <211> 210
 <212> DNA
 <213> A.fumigatus

<400> 9636
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 tctagcacga cgatccagc gaagatccaa caggccaaca aaacattttc ccgcaatcac 120
 gctatgtcga tccatctgaa tgcgattgct cttgttgcaa ccgtttggta tgggtttaca 180

ttgtcgtcga gccttctgaa tgggttgtaa

210

<210> 9637

<211> 438

<212> DNA

<213> *A.fumigatus*

<400> 9637

accaacgcca	tgtccacaca	gcacggcccc	aagtccaccc	gtacaaacga	cctgtacgag	60
ctcgccgtca	acatctccag	cacggtagag	gcctttgtcg	gaaggctgga	cgcaatcggc	120
gccgaacgac	ccaacctaga	caatcccttt	ccagagatca	tccaagatga	aggcgcgag	180
ctggccccgg	taaagattct	gcgtctctgc	gaacggctga	tggctctggt	ccaggggccg	240
gtccaatggc	tcatgttcca	gaatatggcg	ttcctcgatg	ccgcctgcgt	cggggcgatt	300
ctggacatgg	ggatccacga	catcattgcg	cctggaccgc	aaccaacgtc	gctggatcag	360
attgtagagg	cgacgggggc	ctcgaaggat	attctaagta	cgcgacgccg	gctatctagt	420
atgcaaagat	cgagctga					438

<210> 9638

<211> 429

<212> DNA

<213> *A.fumigatus*

<400> 9638

atcctcgcag	caaacaaggg	tcttttcgac	tacttctaca	ccgaggatct	cgcccgtggt	60
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ttccccttcg	agtctctgcc	gcagggcgca	aaagtgggtg	acgtcggagg	cggccggggc	180
catgtcagcg	tacgcatcgc	agagaagggt	cctgggtctga	acttcgtcgt	ccaagacgat	240
gagtcctatg	tagaggctgg	tcaggcagaa	gggtgtccca	aagcagtcaa	agatcggatc	300
gagttcatgc	cgcattgatt	cttcaatgag	cagcccgtca	agggggcaga	tgtgtatctc	360
ttgcggttca	tcctgcatga	tcattcggac	agggttagtt	tgccaacagg	aaggaagaag	420
tatggctaa						429

<210> 9639

<211> 333

<212> DNA

<213> *A.fumigatus*

<400> 9639

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gttcccagct	tcttgggtcc	ggagagttct	cggttctata	acttgctgga	tctctacatg	180
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gttagtccca	agttgggtct	ggagaagggt	tggaaaacgc	caaacggcgg	gcctgaatcg	300
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<210> 9640

<211> 492

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1)

<223> Identity of nucleotide sequences at the above locations are unknown.

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tgtctcgatc	cgaagtctgt	cttctgaccc	cggttcggca	ataccttgaa	actcggtttg	240
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caactgaaag	acaggctatt	tccattctcg	agaggactgt	gccatgctta	ctgggcgccg	360
aatatctggg	caatgtattc	cttcgcagat	cgcgtgctaa	ttctgcgtga	gtacaacaat	420
cttcgcctgc	atctgtgcag	atttactcac	cataacagtt	gctccgcgcc	tgggccttcc	480
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<210> 9641

<211> 525

<212> DNA

<213> A.fumigatus

<400> 9641

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atcattgtcc	ctttcagctt	gatagcgctc	aaggaccgac	gctacttcag	cgcatttcgg	180
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ccgctgaaga	ccgtgtatac	tgtgtgggtgg	ctggtccttt	tctgttcgt	atttgaccaa	300
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ctgacagtgg	ctatcccggt	gattatatac	tgctcattgg	tgcatcagct	tattttcggg	420
tgggaccggt	atgagtttct	tccgctgatg	ttcatgagta	gctatttctgc	tctgggggta	480
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<210> 9642

<211> 1113

<212> DNA

<213> A.fumigatus

<400> 9642

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accggtgcga	acactggcct	cggtcgtgaa	gctgccagac	atgcgctcgc	cctgggcgcc	180
ggtacggtea	ttttgggcgt	tcgaagcctg	agcaagggcg	aagacgccaa	agccaacatc	240
gacgcaagta	ccggctgcac	agacaaggga	aaggtaactg	tttggccaat	cgacctcgaa	300
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gatgggtggg	agagaggcat	ccaggtcaat	gttctatcga	ccgcgctcct	cagtctggag	480
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agccctgagg	cagtggtttt	gagaaagaaa	ctatgggcag	agattctctc	agtcttgcac	1080
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<210> 9643

<211> 240

<212> DNA

<213> A.fumigatus

<400> 9643
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 ggcgcccagg gcgagcgcat gtctggcagc ttcacgaccg aggccagtgt tcgcaccggt 180
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<210> 9644
 <211> 432
 <212> DNA
 <213> A.fumigatus

<400> 9644
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 gcatctcccc ccgagcacct cgagcaaaga aagaaacgtc atctcaggaa cctattctcg 180
 ctatgtctata cgattgagaa ggacgtggct ctccgcacag gacaaccaca ggctcctctcg 240
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 ggcattcacc accattcccc agaactgccg gaccatccga tgttcccagt cgatctgcgc 360
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<210> 9645
 <211> 306
 <212> DNA
 <213> A.fumigatus

<400> 9645
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 agcatgacga ctaccataa tgataagcgc ctgcagacc cccaagccc catcctcccc 180
 gaggacctgc gggatgagac actgagcctt gagggcaagt cctcgcgtgt cgatcggcgg 240
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<210> 9646
 <211> 1125
 <212> DNA
 <213> A.fumigatus

<400> 9646
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<210> 9647

<211> 1161

<212> DNA

<213> A.fumigatus

<400> 9647

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<210> 9648

<211> 210

<212> DNA

<213> A.fumigatus

<400> 9648

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<210> 9649

<211> 525

<212> DNA

<213> A.fumigatus

<400> 9649

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<210> 9650
<211> 618
<212> DNA
<213> A.fumigatus

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<210> 9651
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<212> DNA
<213> A.fumigatus

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<210> 9652
<211> 1749
<212> DNA
<213> A.fumigatus

<400> 9652
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<210> 9653

<211> 1023

<212> DNA

<213> A.fumigatus

<400> 9653

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<210> 9654

<211> 1911

<212> DNA

<213> A.fumigatus

<400> 9654

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<210> 9655

<211> 270

<212> DNA

<213> A.fumigatus

<400> 9655

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<210> 9656

<211> 912

<212> DNA

<213> A.fumigatus

<400> 9656

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<210> 9657

<211> 360

<212> DNA

<213> A.fumigatus

<400> 9657

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<210> 9658

<211> 252

<212> DNA

<213> A.fumigatus

<400> 9658

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<210> 9659

<211> 777

<212> DNA

<213> A.fumigatus

<400> 9659

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<210> 9660

<211> 279
 <212> DNA
 <213> A.fumigatus

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 gtcgtgagtg ggctgtaccg cttttctcct cgctattaa 279

<210> 9661
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 9661
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 gaaggccaag ggtga 195

<210> 9662
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 9662
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 tactctgcat ttagtacctt agaccatcct cctccgggct tttgtcgcgt ttggtctagc 180
 acttttagtag cagttgcatg a 201

<210> 9663
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 9663
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 gcgctgttcc agatcagtg caaacagggc tgctataagg ttagctttat tgtcagaggc 120
 atatcaaaat gtcgacacat accagtcgga gcgagatctg ccagagccgg aacactatca 180
 gtctga 186

<210> 9664
 <211> 1128
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (9), (10), (11), (12), (13)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9664
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cccgtcaatg gaaccacacc cgttcccgat gctgggagcc cctccggttc cccggggccg 120
tcgcactcag atgaagtggc gtggctcaca agcgaattac gcaaagaacg tcaacgtgtc 180
ttggataagg aacagaagat tgcggaatg gaagctgtcc tcaacgcgac ggccgatgtc 240
aagcaggtga acacggagct caacgagaag cgggccacga tgggtggttct ggatgcaaaa 300
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gggactcgaa tgcctcagac tgatagtgtt ccggctctgg cagatctcgc tccgactggt 1080
atgtgtcgac attttgatat gcctctgaca ataaagctaa ctttatag 1128

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<210> 9665

<211> 513

<212> DNA

<213> A.fumigatus

<400> 9665

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gatctcgata ttcattgcagt cacctcggct ctcaagcaat acttccggaa gctgccact 180
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gaagctcgta tttcgggttct gcagaagagc cttgcagagc tgccgcgtgt tcaccaggac 300
gtcctggagt ttctggtgtt ccacttgaag cgagtagtcg aacgcgagaa ggaaaatttg 360
atgacgagcc agaatatgtc cgttgtcttt gcacccacga tcatgagacc ggagagtttg 420
gccgggaaa tgaccgacgt gcagaaaaag aacgaggtat tgaaattttt ggtggacaac 480
tgccaagaag tctttatggg tatgcagagc tga 513

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<210> 9666

<211> 213

<212> DNA

<213> A.fumigatus

<400> 9666

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tatgcctctg acaataaagc taaccttata gcagccctgt ttggcactga tctggaacag 60
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gaactacgag gtgagatctt aggcgcctgc tgttccgagg ttacgaaact aaccacattg 180
gataggaatg gatatggaag gaatttatcg taa 213

```

<210> 9667

<211> 1911

<212> DNA

<213> A.fumigatus

<400> 9667

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aaagcgatca agtggaggaa caatttacag ccagattcca acacacagag gacagggagg 60
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ggaaaaataa taacaaagag tatgaaaatg actgatcgcc cctcatcagc tggcctggag 180
gaacccgtga atttggttgc tcaaaatggt caagcagtgg acagcgttcc atcgcgacgg 240

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agttcagagta ggtctactga agctccagaa gctcgcgtgc ctgccccgac cgagtcggca 300
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gcaccccggt caccgtggac cggtaattca tccagctcaa tacaggcggt gaacgaagac 480
accgttggtg acgcccggtc ggatcacggg ttatggacga aggcattctt cgggcgaagg 540
atgtcccatc ggagtgcgac cgacgcgcag cctgccgatt accctgtata tctgatcaa 600
tcgtacgcgc tgcctcaatc acaaattcac cctacctatc accctccatt tcttcgctcc 660
cgcaggctct acccagcaag gactgagtcg cttggccgac tcgtgacacc tcgtaccgct 720
cgcactgcgg gcaacactcc cgtatcaagt cctggattat tctccgtcaa cagtcccaac 780
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gggaacaaat tgatcaatca gtatgagatt cttgaagagc ttggccgggg tgagcatggg 960
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gaagttgcca ttctgaagaa agctcggcac ccgaatgttg tcagcttact ggaagttatc 1140
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acggcgcagc gtcttcgctc ccagcgagag aaggcacgtg aacggcgcca aatgaaagcg 1380
gttcacgccc aacaggcacc tattcctgcc tggagtttag agcatggagc cgagtcggac 1440
gaggaagaag aggctgatcc agcaatgacc cgcaccatca gtcgctccat tgccagtcac 1500
gacgagacc aagaatcccc gagtcactct ttggcatccg cacatgactc tgcgctggcc 1560
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accgcctcga gcagcatggg ctacgcaccc tccgagccgg agtggttctc ggacgatgat 1680
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ctactcggtc ttgagtatct tcaatcaaa ggtatcatcc atcgcgatat caaacggcg 1800
aatcttttag tcacaagcaa tcatcgctg aagatttccg actttggagt ctctatctt 1860
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<210> 9668

<211> 588

<212> DNA

<213> A.fumigatus

<400> 9668

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caccaaatta accgatttaa accaggcaag tccattgtcg gtgctcactc cgtcgaggaa 120
ttctgcccga agctgaagcg ccctcgccgt atcatgctgc tggttatggc tggcaagcct 180
gtcgacgact tcattgagtc tctctcccc caccttgagg aggggtgacat catcatcgat 240
ggtggtaact ccacttccc cgacagcaac cgccgcacca agtacctgaa ggagaagggc 300
atccgcttcg tcggcagcgg tgtttccggg ggtgaggagg gtgcccgtca cggctccctc 360
ctgatgcccg gtggcaacga agaggcctgg cccttcatca aggacatctt ccagagcatt 420
gccgccata gcgacggcga ggcttgctgt gactgggtgg gtgacgaagg cgctggtcac 480
ttcgtcaaga ttgtccacaa cggtatcgag tacggtgaca tgcagctgat ctgcgaggtg 540
agacgcgttc ttgctccgat aatctgccgc aacagcccac taacatga 588

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<210> 9669

<211> 477

<212> DNA

<213> A.fumigatus

<400> 9669

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caacaggctt atgacatcat gaagcgtggg ctgggcatgc ccgtcaacga gatcgccgat 60
gtcttcgcta agtggaacaa ggggtgtgctg gactcgttcc tgattgagat cactcgtgac 120
gttctctact tcaacgacaa cgatggcact cccctcgctc agaagatcct tgacaaggcg 180
ggccagaagg gtaccggcaa gtggaccgcc atcaacgctc tcgaccttgg catgcccggt 240

```

accctgatcg	gtgaggccgt	cttcgcccg	tgccctgagcg	ccatcaagga	cgagcgtatc	300
cgtgccagca	gcctcctcga	tgccctact	ccccagttca	ccggggacaa	gcaggctttc	360
atcgacgacc	tcgagcaggc	tctgtatgcc	tccaagatca	tctcctacgc	tcagggttcc	420
atgctcatcc	aggaggtaag	atgctgctca	tctcactcgg	ctgcatgcaa	tggtctga	477

<210> 9670

<211> 312

<212> DNA

<213> A.fumigatus

<400> 9670

gctgctcgcg	agtacggctg	gaagctgaac	aagccgtcca	ttgccctcat	gtggcgtggt	60
ggctgcatta	tccgttccgt	cttcctcaag	gacatcacca	acgcttaccg	caacaacccg	120
gacctggaga	acctcctgtt	cgacgacttc	ttcaaggccg	ccatccagaa	ggctcagcag	180
ggctggagaa	acgtggtcag	caaaggcgcc	ctctggggta	tccccactcc	cgcttccagc	240
actgctctga	gcttctacga	cggataccgc	acccgacacc	tccctgccaa	cctgctgcag	300
gctcaggcgt	ga					312

<210> 9671

<211> 456

<212> DNA

<213> A.fumigatus

<400> 9671

gcagcatcct	acctcctgga	tgagcatgaa	gccctgagcg	taggagatga	tcttgagggc	60
atacagagcc	tgctcgaggt	cgctcgatgaa	agcctgcttg	tccccggtga	actggggagt	120
agggccatcg	aggaggctgc	tgccacggat	acgctcgtcc	ttgatggcgc	tcaggcaacg	180
ggcgaagacg	gcctcaccga	tcagggtaac	gggcatgcca	aggtcgagag	cgttgatggc	240
ggtccacttg	ccggtaccct	tctggcccgc	cttgtcaagg	atcttctcga	cgaggggagt	300
gccatcgttg	tcgttgaagt	agagaacgtc	acgagtgatc	tcaatcagga	acgagtcacg	360
cacacccttg	ttccacttag	cgaagacatc	ggcgatctcg	ttgacgggca	tgcccagacc	420
acgcttcatg	atgtcataag	cctgttgtca	tgtagg			456

<210> 9672

<211> 579

<212> DNA

<213> A.fumigatus

<400> 9672

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gtcacccgtac	tcgataccgt	tgtggaccat	cttgacgaag	tgaccagcgc	cttcgtcacc	120
cacccagtca	cagcaagcct	cgccgtcgct	attggcgcca	atgctctgga	agatgtcctt	180
gatgaagggc	caggcctctt	cgttgccacc	gggcatcaga	gagggaccgt	agcgggcacc	240
ctcctcacca	ccgaaacac	cgctgccgac	gaagcggatg	cccttctcct	tcagggtactt	300
ggtgcggcgg	ttgctgtcgg	ggaagtggga	gttaccacca	tcgatgatga	tgtcaccctc	360
ctcaagggtg	gggaggagag	actcaatgaa	gtcgtcgaca	ggcttgccag	ccataaccag	420
cagcatgata	cggcgagggc	gcttcagctt	ggcgcagaat	tcctcgacgg	agtgagcacc	480
gacaatggac	ttgcttggtt	taaatcggtt	aatttggtgt	tccctccatt	gcagacttgt	540
cttcacccac	gggggtcgaa	ggatccgcgc	tatgcgtaa			579

<210> 9673

<211> 759

<212> DNA

<213> A.fumigatus

<400> 9673

gattgcattt	cttctcacgg	aaaatggtgg	agtacagaag	tgctgacttg	tcattcgctc	60
atcagtcgat	ggtggtcacc	gtgccatcaa	gtactcgaga	atcggcggag	tcaagaaaga	120
aatctacaac	gaaggtagcg	atgccattac	tcatacggcg	aaatcatctc	acaaagccct	180
ttacgtactt	taggaacaca	tttccgaatc	ccatggattg	aaacaccgat	catctacgac	240
gtgcgcgcga	agccacggaa	catcgcttcc	ctcacgggta	ccaaggactt	gcagatggtg	300
aacatcacct	gccgtgttct	gtcaaggcct	cgagtagatg	cccttcctca	gatctaccgt	360
accctcggca	ccgaatttga	tgagcgcgtc	cttccctcca	tcgttaatga	agttctcaag	420
agcgtggttg	cgcaattcaa	cgcgagccag	ctaattacac	agcgtgagaa	tggtgcgaga	480
cttgttcggg	acaaccttgc	tcgcgcggcg	gcccgtttta	acattgctct	agacgatgtg	540
tctcttactg	tacgcacctt	tttgactcgt	gcacccccaa	ttgttgctta	tataactaat	600
ctgtttaatt	gcggctttgt	agcacctgac	tttctccccc	gaatttaccg	ccgctgtcga	660
agccaagcaa	gtagctcagc	aggaggccca	gcgcgctgcc	ttcctcgtcg	acaaggcccc	720
ccaggagaag	caggccttca	ttgtccgtgc	ccagggtga			759

<210> 9674

<211> 327

<212> DNA

<213> A.fumigatus

<400> 9674

cacctgactt	tctccccga	atttaccgcc	gctgtcgaag	ccaagcaagt	agctcagcag	60
gaggccagc	gcgctgcctt	cctcgtcgac	aaggcccgcc	aggagaagca	ggccttcatt	120
gtccgtgccc	agggtagggc	ccgctctgct	gagcttatcg	gtgacgcaat	caagaacagc	180
aagagctaca	tcgagctccg	taggatcgaa	aacgcgaggg	agattgcccc	gatcctgcac	240
gagagtggcg	gaaagaacaa	gctgtatctt	gacaccacag	gtctgggtct	caatgtcaac	300
gcacacgcg	gagacgaatc	gaagtaa				327

<210> 9675

<211> 894

<212> DNA

<213> A.fumigatus

<400> 9675

tatgtgcgcg	tccattcgcc	tctgctgtcc	agtctcgcta	acgaattcat	ttcagacctt	60
acggaggaac	aggtaaaaga	catcctcagc	tccgctggca	cggttaccaa	attccgtctt	120
atgatgaacc	cggagacggg	gaaaccaaag	ggttatggct	tcgcagactt	cgccgatgca	180
gacgccgcgc	cctcgcagct	ccgaaacttg	aacgaactcg	agatcatggg	caggaagatc	240
cgcgtggact	ggcctcacaa	caacgagaag	gattcgggtc	cccctgacta	ctctcagaca	300
tctcagatgc	ctagtcagga	tggtcaagcc	ggtcagcagc	catctgcgcc	gctccccctt	360
cttccccccg	gtgtcgaggt	gccgcctcac	ttggattgtc	caaacgctat	ctctcaaaca	420
ctttctctct	tacccccgaa	ccagctcctt	gacgttcttt	cacaaatgaa	gtctttggca	480
atgaccgatc	cggccgcgcg	gacggagctc	ctgcgacagg	ccccgcagct	ggcgtatgcc	540
atattccagg	ctctgttgct	catgaatctc	gtcgactaca	gcactttggg	agcagtggta	600
gagcaagcga	cccaaccaac	cgtcgcggcc	gctccttcgg	ctccccctgc	ggcacaggct	660
tttcagccct	tctcagccgt	acctggtcag	atctccacgc	caccaatggg	caatactcct	720
tttgccccct	aacctgcagc	acaggcggca	ccccacaac	aggttccatc	gcaagaagaa	780
cttctacaac	aggtgctcag	tatgccacag	tcagctattg	atgctttgcc	accaatggaa	840
cgaatcaaaa	tcattgctttt	gcgtcagcag	ttgatgcaag	gagccatgag	gtag	894

<210> 9676

<211> 198

<212> DNA

<213> A.fumigatus

<400> 9676

cttactatcc	aaaggctagc	aaagatatgt	tgtataagga	aggaatctaa	aggaataaat	60
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actattatct	ttacaaagtt	acaagaat	aatagtgaga	tgagagctat	agctattaaa	120
tataagtatc	tgtttctccc	ccttctttat	atacttattt	attatattaa	taaagcttta	180
aagctattaa	acagctag					198

<210> 9677

<211> 1401

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1021), (1036)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9677

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cccgaagtg	tgaagcgac	gatcgcccag	actccccctc	agcagtctat	taagcaacga	120
ttcacccccg	atcaactccc	cctttccgaa	cttccaatgc	tgctcgacaa	gcgggtcaca	180
ctcgatgttc	ctgtatacac	cgtttggggt	gcatgtgagg	atgtccgggt	gctggagaaa	240
ttccgctccg	gggagtacaa	ggtcaacaat	ctgcacatca	ttgacgaggc	taactcgagg	300
ttgcttgata	tggaggcggt	gaagcttcgt	ctgcttggtc	tgaggagggt	ggttgatcat	360
cacaagctgt	ttgacaatgg	cgagggcaag	accacaattg	ctggtggtca	aggcaccatg	420
tggaccactc	tgcttcaaat	gggcgagctg	atcgacacag	ccaaccgcgt	atacgacca	480
tggagagacc	gcatttttgt	cactcacgcc	tgcgccgtc	gagaggggat	gctgaaccag	540
ctgtccgtga	ccctcaaggc	tgacttctcc	atctcagctg	gtctccattt	ccgctatggt	600
tcttcctaca	acgagttctc	cgtcaatccc	tctctggacc	actaccgcgg	taagctcgcc	660
gcctccaagg	cttctttcaa	cgatgtttgg	gagaccgtcc	gcgggtgagg	ggaagccgct	720
atctcctcca	acgaagctca	aaagaccctc	ttggacaatg	ctctcgacgt	cggtcagaga	780
atgcctactg	tgcgaacgg	tggaaatcca	tttgggtggc	ccactgcgcc	tggaacgcc	840
gctggacaag	togatgagag	cgcttccaag	aacatgtgga	acttcaacct	tgcatatgcc	900
gcatttggtc	tcctcgctct	tgagatcgaa	ggtggtcgca	ttgcgacaga	aatgcgcgct	960
cagggtctca	actttgcccc	ccgtactgga	aagcctcagg	ttgctgcggg	tcagacagta	1020
nctggtggcc	ttccancttc	tccagccact	accgcccgtg	tccccaacgc	tactcctccc	1080
cagttcggtc	aagcccctcc	tgctcccgtc	agggctgcgg	gcaccgcccc	acagcaaatt	1140
cagggaagg	gacctgctgc	gggttccaac	tggcatccc	ctgttcccgt	aattcctaac	1200
cctgaaccc	cccatgccct	ctgctgggag	ccacacctca	acccaatgct	gcttccccgg	1260
aaaaaggcgg	gtacgtccaa	tccaacggaa	ctggccaacc	agaaaaacc	ccggaatccc	1320
ctttgcccc	agggtaaaaa	aaaccaacc	acggaatggt	tcctctccaa	atttaataaa	1380
caaacagggg	ggtccggaat	t				1401

<210> 9678

<211> 321

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (94)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9678

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atgacgtacc	aaaagcgaga	cattaaggat	cctntacttt	cggcctcata	tgtggcacac	120
accaagaaga	agatcggaac	aaccgcagct	aaagacctga	acaggtttga	gacggagtgc	180
tgtaacgcag	ttgccccgcc	gggatctcag	gttactctca	gtggtaaacc	caaggatctt	240
tccaagccgc	tttaccgatg	caacaactgg	ctcgacgatg	tcacagctt	ggcgttccag	300

aagggcattt ttgaacccta g

321

<210> 9679

<211> 213

<212> DNA

<213> A.fumigatus

<400> 9679

gttgaagtgt	tgaaaagcaa	gttgaatcac	atgatcaaag	aggccacgac	atctcaagac	60
tacgagttcg	ggccaaacct	ttccaagaag	cctggaacta	cctctaaaat	aggtatgaac	120
aacatgttca	atagtagcaa	agttttccca	ctacctaggg	tgccgatcta	ctacactctg	180
gcggctcgta	tccttgtaca	tcccacagca	tga			213

<210> 9680

<211> 1320

<212> DNA

<213> A.fumigatus

<400> 9680

gctgatattc	cacagaattt	agtatggagc	ggctggggta	attcggggcc	tgggaatgcc	60
catggcatgc	acgtatgcaa	gtacaaggga	gcaaaccacc	tgtgcttctt	ccaaggaatc	120
cagcagaatg	ggatttgca	gggccatggc	gtcattatgg	acaaccggta	tcgcattgtc	180
aagaccgtca	ccccggggg	agggattgag	tcgagcgata	tgacagagtt	ccgcctggta	240
aatgacggca	agacggcgct	gatgacggtc	tatcaacagc	ggcagttcga	catgagcctt	300
tggaaacctaa	gaatgggcat	gggctgggtg	atggagagca	tcttcagga	gatcgacgtg	360
gaaacgaatc	aggtcctatt	tgaatggcgg	tctctggacc	acgtcgatcc	atctgtgagt	420
tacacctacc	cgtcgtccac	agacacgtct	ggtagcgggt	tcgagccgag	gtctccgtgg	480
gattatttcc	atatcaactc	agtcgacaag	aacaaagatg	gcgattatct	gatttcttcg	540
cgccatacga	gttgcatcta	caagatctcc	ggcaaggacg	ggtcgatcct	gtggcggttg	600
cacggcgcca	atccatcttt	caagaacatc	aacttttagct	tctcgcagca	acacgatgca	660
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ggctacaacc	aaacgcattc	ctattcgtcc	ggcatgataa	ttctcatcga	ccacgtaaac	780
aacacggcga	cacagattcg	cgaatacaag	ccgctgaatg	acgacatgct	cagctcaagc	840
cagggaaata	tgcaggtgct	gccgaaccgt	aatgtgttta	tcgggtgggg	gaacaatgcg	900
tatatctccg	agcacgatga	gcaaggcaag	ctgggtcttt	ggggttacat	tgacaaggac	960
aagatcatga	actaccgggc	cctgaagttc	gagtgaggag	gtaaccgcag	cgatgtcccc	1020
gctctgtgga	cctatgccaa	aaccaacgat	ggcttctccc	cgacgacctt	ttacgtgagc	1080
tggaaatggtg	caactcgctg	gaagcactgg	cgattctacg	gcgcgcgaaa	ctcgaccgga	1140
ccctatgagt	tgctaagcca	agtcgccaag	cagggaaatcc	aaaccacgta	caccaacgcg	1200
accttttata	cctggtcata	tgtggaagca	gtcgacggtc	aaggcacagt	cctgggcaag	1260
tcccgggaacc	agttttacctt	cacaccgtcg	ccggaactgc	caaggctatt	gcgcgaatga	1320

<210> 9681

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9681

ttgttggttg	ttctctctat	tccctcttct	tctctcccct	ctcttctgtt	ctcttctctt	60
gtcattcttc	cccccttttt	gttctttctt	tacatcactc	tctttttctt	ctcttatttc	120
gtacatttcc	ttctccttcc	tcttggttct	cttctattgc	ccctcccctt	ctacttctgc	180
tttgtgctta	ctaattctct	ctccaagatc	tctttttcac	cttga		225

<210> 9682

<211> 624

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (619)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9682

gttattccac	cgcggtatctc	gtacttggtc	ctagctaact	tgttttgtgc	tacaggtatt	60
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cctaccgata	tatggctcgtt	ggctattatc	ttctgctgca	tgacactgcg	tcgatttccg	180
tggaagcaac	cccgtgtcag	cgacaactct	tataggatct	tcgtctcaac	accacgccca	240
ggaactcctg	ttccggatgc	tgatccgaag	cgtcaccgcg	ccattaaatc	agcaccagac	300
gtgtcgtctt	ttgataacga	gggcaaaccg	gcgcaacctg	cagaggagaa	gaacggatta	360
agtgagcctt	cggcacaatc	ggactcggaa	aagaaacaag	ccccaaccac	ctccacgacg	420
agtgacgaga	atcgccctcc	tgagagtcct	aaagataagg	tcagcggcaa	cctcagcaaa	480
ccgactcgaa	caaccagcaa	ggaagcgccg	cctctcccag	cttcagcgca	gtcatctagc	540
cagcgtcagg	aggatcatcaa	gggtcattgg	aggctcttgc	ggatccggcc	gcgcgaagtt	600
tttacaaccg	gccgaaganc	atga				624

<210> 9683

<211> 951

<212> DNA

<213> *A.fumigatus*

<400> 9683

cacctgtggg	gagagccgaa	cgacccgtat	gcccgcagca	agcgaccgcc	tcaagctaag	60
aaccttgccc	agatcgatca	acgattcatc	tttggaggcc	gtgactccaa	acgccgaaac	120
cacaccacgc	caactttcgg	tcgtcccggg	acccccgct	cctccagtgc	tggagatttg	180
aaatctagcg	acaagcgagg	cggtatcttc	ggcagcaaga	aagatctacg	acagagcgac	240
agcggtgaaa	acaaacatca	tcatggccac	atggcggagc	tcaagcgatt	cttcaagatg	300
ggacaccaca	aacataagcg	aggcgattct	ccctcatctc	ttccgaagcg	gtcagccgcg	360
tcgtctggaa	agagcacgca	gtcggaaacc	gttctcttcg	ccgatgacca	tgggctcaac	420
accaagtacg	gaaagctcgg	gaaagtctct	gggtccggag	ccggcgggtc	tgttcggtta	480
ttgaagcgca	acagtgatgg	agtgaacttc	gccgtgaaac	aattccgaga	ccggcattcc	540
tgggagacaa	tgaaggaata	ttccaagaag	gtgacggcgg	agttctgtat	tgggtcaacc	600
ctgcaccacg	gcaacatcat	cgagacgctc	gatatcatte	aggaggcgga	tacttggtac	660
gaggttatgg	aatatgcgcc	ctatgacttg	tttgcgatcg	tcatgaccgg	gaaaatgtcc	720
aaggacgaaa	tcgcatgctc	tttcaagcag	atcctgagcg	gtgtggccta	cttgacgggc	780
atgggactgg	cacatcgggg	tttgaagttg	gataacgtag	tgggttaatga	gcacggtatc	840
atgaaactca	tcgatttcgg	cagcgcgggt	gtcttccgat	atccctttga	gaatgacatt	900
gttcccgcct	ctggtgagtt	attccaccgc	ggatctcgta	cttgggtccta	g	951

<210> 9684

<211> 216

<212> DNA

<213> *A.fumigatus*

<400> 9684

tgtatatgtc	ggaggccggt	ttctgacgga	agcagtggca	gacgggatga	tcattctcaac	60
gcctacgggc	agtacggctt	acagcttaag	cagtgggggg	agcattgtcc	atccctcggg	120
accagcggtg	cttttgacgc	ctatttgtgc	ccggagcctc	agcttccggc	ctctgggtct	180
gcctgcaagc	acgcccaata	cgcttcgact	gagtga			216

<210> 9685

<211> 966

<212> DNA
 <213> A.fumigatus

<400> 9685

tgtaacctag	gaagggcctt	tactaactca	atctctggag	agtccagcca	cacaaggtcg	60
acctatccat	caattgccat	catcctcgaa	cgaaagactg	ccgaggaaat	tactcttcg	120
cttctcttcc	cgggtctactc	aacattttcca	gataatgacc	catccgcatt	acatgataaa	180
gtggacatga	cgggtcacctc	cggggggggat	gggacaatcc	tacgagcatc	ttccctgttc	240
gccacgtgcg	ttgatgtacc	tcccatgttg	tcattcagta	tgggaacact	ggggtttcta	300
agcgaatgga	aatttgccga	atacaagcgc	gcttttcctg	aagtatttat	gtctggggcg	360
ggtgccggag	atcgggcacc	gattctagag	gaccagatgg	aagacgggac	cgggccaaca	420
ggatggtcct	cgggttcgtg	aaaatctatg	gggttcgtcca	ggggagctcg	aattctgatg	480
cgcaaccgtc	taaaggctcg	gcttttcaca	gctgatggca	aaccaattca	agtacgtgga	540
aacatccctg	ctgcacagga	tcagctgggt	acgcaggggg	tgtatgttat	gaacgaagtg	600
cttctacatc	gcggcaagga	gccgcattca	gctgtggttg	atgtatatgt	cggaggccgg	660
tttctgacgg	aagcagtggc	agacgggatg	atcatctcaa	cgcctacggg	cagtacggct	720
tacagcttaa	gcagtggggg	gagcattgtc	catccccctg	taccagcggg	gcttttgacg	780
cctatttggt	cccggagcct	cagcttcggg	cctctgggtc	tgcttgcaag	cacgcccaata	840
acgcttcgac	tgagtggaga	aaatcggggc	cgggagctag	aggtcagcat	tgacggagtc	900
aatctgggac	aggggatgac	tgtgggcaca	gaagctcgcg	tgtggaatga	ggagatgcgg	960
tcttaa						966

<210> 9686

<211> 861

<212> DNA

<213> A.fumigatus

<400> 9686

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ctaccctgct	caagggtcct	cgtgaacttg	cacacaggca	aatcccagtg	ggaacgtccc	120
gaggggtccag	cgcagaaaga	ggagcagcat	gctccgccaa	gcggggccgc	accgtcatac	180
gatgactctg	gtcctgcgaa	tccatctgtt	caggctgctg	caactgacga	caagaagacg	240
ctgggggtcga	acaaccata	caaccaagca	gaccccagca	atgataccct	ggaaagcgat	300
gcccggctcg	ctgctcagct	acaggctgaa	gaagatgctc	gagctcaaag	cagaagtcct	360
gttcatcccg	gcgcggcggc	agactactac	agcggaaagct	ccaggccgct	gtcctcggcg	420
ggttatcagc	catcacaggg	tcctgcgcgc	gccccgaac	cgaagcgcag	cagaggcttt	480
ttgagcaagt	tgatgggtaa	aagctcaagc	agtagtggtg	gccctcactt	tgggaagaccg	540
cctattgtct	agcagcaatc	ttacgggtat	cagcaaggag	gctactatgg	gggtggctac	600
cccccgcaac	cgcatactgc	aggctacgga	tatcctcagt	accagccaca	gggcggccac	660
tatcctggag	cggtgccacc	gcggcggggc	ggcggcagtg	gcactgcagg	cgctgccgct	720
ttgggtgtgg	gaggcggttt	gctcggcggt	gctctgctcg	cagaagcatt	cgacgatgac	780
catggggaca	cgatcatcaa	taactatggg	gataattaca	gcggtgactt	tggcggcggc	840
gatgactttg	gtgacttttg	a				861

<210> 9687

<211> 474

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (23)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9687

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aaggataggg	aagacgccag	cagtcacgta	cttcacccct	tgacagcccc	gttgaccggt	120
tgggtttctt	ttgtcttccg	gaacctcaag	gcgacgaaac	cggagtccta	tctgctcgag	180
atccgatcag	ccgagtatgt	ctttgccccg	taccgggtgg	atgtctctgc	cgatggaact	240
gttctggggc	tgtgggagac	ttaccgagga	aacccatggg	acaatcgcg	ccgggagaag	300
ttcgttggtc	atgctgctgg	tggtaacggg	gccaaagccg	cagaggtgat	ggtggaagct	360
aagatttttg	ctagaagagg	attctatgaa	gaacgagcta	gatgtgagat	ggaccgaatc	420
caacccccgc	gctcccgtgg	tggagaatgc	tttacccttg	cgcgcttcaa	atga	474

<210> 9688

<211> 249

<212> DNA

<213> A.fumigatus

<400> 9688

tgggtggaagc	taagattttg	gctagaagag	gattctatga	agaacgagct	agatgtgaga	60
tggaccgaat	ccaacccccg	cgctcccgtg	gtggagaatg	ctttaccctt	gcgcgcttca	120
aatgacatgt	ctactgacaa	aatgcgtcgt	gccagtctct	cctctttcgc	tcttcaaaaa	180
ccctatgatc	ttgttggcgt	tggtagccct	ggccttcacc	tttgggatgc	cgaaacttat	240
ggagaatag						249

<210> 9689

<211> 288

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9689

gtcgttttgn	tactattgat	tcatgcatat	acaagccttc	cctgcgtgct	aacttatttg	60
tcagtggacc	cggaaatg	tgctgaattc	gagaagcaat	cacgcacctc	cccgatctct	120
ggtgctacgc	ggaacgctat	ggctgggtgg	ggcggggccc	ggaacttcga	tctcgccggc	180
tggatggccg	gtgccacccc	aaggcaagcc	actgggacag	attctgaggg	cgcccgggga	240
accgcaactg	gtcgggaaac	tggaggtact	acgcgcagac	gaggttga		288

<210> 9690

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9690

tatagaagtc	tctttagaac	taatatactt	aataattata	acttatttat	agtttcctta	60
gataactata	taaggtctct	cactgtattc	tactatagta	ataatcttag	atattatata	120
gagccctatt	ataaagctag	ttttattaaa	attctagata	ttatctttat	atatactatg	180
ttcttagata	gctttatata	ttgttataaa	ctactattta	ataaccttag	gatcctccta	240
ttttaccctc	tagtatataa	ttctttaatt	atatcttata	tatag		285

<210> 9691

<211> 255

<212> DNA

<213> A.fumigatus

<400> 9691

gaacttgatca	atctccttga	ccccaaaaga	gttctgtgga	ttgacttggt	gggcagaagt	60
-------------	------------	------------	------------	------------	------------	----

atattccag	tacgatggat	accaaccagc	agtctcccaa	tcaataatac	caacaatatac	120
gtctccacga	acaagaatgt	tgagactact	aaggtcacca	tgcgtaaata	ccaaaggcca	180
agtcttgctt	tgctgtttga	taaggtcctg	aatttcaggg	tcaagtctca	gatcaaattc	240
catgccctta	cgtaa					255

<210> 9692

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9692

ccaccaata	atactaagga	gactcttaaa	aagtttaggt	acattagaga	tttccctgct	60
cttcagaggc	tgggaatggg	gtgcgcactt	tacttgtaga	ggcctcttta	catcgctact	120
gccgtcgggg	gcaataccgc	gtcccgatc	atztatgtgt	acgcgacgat	ggccttacaa	180
agctga						186

<210> 9693

<211> 753

<212> DNA

<213> A.fumigatus

<400> 9693

cctccctatg	taccgggggtg	gacggtagta	tataacttgc	catttaccac	actccatcga	60
cgtgtttgtc	atagcatccc	cgtcataacc	aaatgcctcc	atcccaccac	catcgcagcc	120
atctacaacg	aacggagcac	cacctacgat	gccgccatct	tccaccaccg	cctcgcagag	180
gagtacatcc	gcgcgcgagc	ccccagcct	ggcgctcagg	tccctgatct	cgcctgcggc	240
acgggcctag	tcaccttctt	cgcagaagcg	caggctcggac	cgacagggac	cgtcgtcggc	300
gtcgatatca	gcgaggggat	gctggagggt	gcgcggggaa	aggcacagcg	gaccggctcg	360
cgggttacct	tctaccagca	tgatatctcc	aacttgagtg	atctggatct	gaatccaaat	420
ccgggaggcc	aagacgacgg	gcgaggccag	ttcgatctga	tcacttgtag	ggctgccttg	480
gtgctgctcc	ctgatccgct	tggagcgata	cggagctggg	cggagctggt	gaggaacggc	540
ggcaagtggg	ttacggatgt	ggcggtcggg	gatgtacatg	tccctgcgcg	gatttttgag	600
tggattgggc	cgagccttgg	gctgtcattg	cagtgggagc	agagctgggt	gaagggtgag	660
gagtcgttgg	ctgggttgtt	gacggagggg	cgattggagg	tcgaaaaggg	gattgtgacc	720
cctgtcttcc	aggtaaaaga	gtacagggtt	tga			753

<210> 9694

<211> 438

<212> DNA

<213> A.fumigatus

<400> 9694

agaccgaatg	ctccagctgg	ctcgcctgca	gccggagcag	aaccgacagc	acccctcctc	60
ccagcagcgg	cggcggcgga	ttgccattgg	cctcgacgtc	ggtcgcggca	cgatcagcca	120
gcgtcgtggc	atccgattcg	ggaaccgcgc	tctccttttc	attcgcctct	gcggacgggt	180
tgcgctgacg	catctcggcc	agaccaaagc	cctgcacag	ctcctgcgct	tccgcagcca	240
cggccatgtg	caggctgggc	tgatccgaag	gccccgaatc	cttgtgggtt	cggaagaagg	300
ccgccaactt	ctcgtcgtcc	tgcgagccca	gctcttccat	cgggaccaac	gacgaaccca	360
gcccgttcgc	atcctgtccc	tccggccggc	ctagcctgtc	cgcagccgc	cgggtcttct	420
ctcggactga	tcggctag					438

<210> 9695

<211> 309

<212> DNA

<213> A.fumigatus

<400> 9695
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 gagcaccacc tacgatgccg ccatcttcca ccaccgcctc gcagaggagt acatccgcgc 120
 cgcagccccc cagcctggcg ctcaggtcct cgatctcgcc tgcggcacgg gcctagtcac 180
 cttcctcgca gaagcgcagg tcggaccgac agggaccgtc gtcggcgctc atatcagcga 240
 ggggatgctg gaggttgccg ggggaaaggc acagcggacc ggctcgcggg ttaccttcta 300
 ccagcatga 309

<210> 9696

<211> 276

<212> DNA

<213> A.fumigatus

<400> 9696
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 ggatgcgaac gggctgggtt cgtcgttggc cccgatggaa gagctgggct cgcaggacga 120
 cgagaagttg ggggccttct tccgaaacca caaggattcg gggccttcgg atcagcccag 180
 cctgcacatg gccgtggctg cgggaagcga ggagctgatg cagggtcttg gtctggccga 240
 gatgcgtcag cgcaaaccgt ccgcagaggc gaatga 276

<210> 9697

<211> 468

<212> DNA

<213> A.fumigatus

<400> 9697
 tcgtctcaga tgcgtctgta tacggaggta tgtgtcccga gggatcccca gccagacaga 60
 ctggctaacg gcgaattaga cttctgaag attcccgcag ccgacgcgtt tgcctaccat 120
 caggagctga agaagcttgc cgcgtctctc ggtctcactc atttgggaatt tgtgcgtcca 180
 ggcactcttg ccggcattgt ccccgaggag gccaaagacac tcgaggagta ttccgaccac 240
 gtctccaaaa ctcgcaacct tctcgatggc accctcgccc aggcggtcga cccaaacgag 300
 gatgagaata tgcgagcaac cagcaagcag tacgacacgg cgctgcctca ggccgaagat 360
 cacgaagcct tcaaggctgc tatgctcaag cgggggaaagg taggcctgga gtcccatacg 420
 gccgttcgtc acgatgttgc tgaccgcttc aggcctatgc taagctga 468

<210> 9698

<211> 240

<212> DNA

<213> A.fumigatus

<400> 9698
 ctgatactca tcaacaacaa caacaacaac aactactact actactacta ctactactac 60
 tactactact actactacta ctacatctac atcaaggcaa aacatcatat tgaaagctgc 120
 cacgtcaaa tagatcaaga tgccctacgc tggcaacctt cccactccaa cggagaacaa 180
 ggtctcccag atcatctcca tcatctcagc ctatcgtcac cgctccgccc ctgttctctga 240

<210> 9699

<211> 408

<212> DNA

<213> A.fumigatus

<400> 9699
 atcaagatgc cctacgctgg caaccttccc actccaacgg agaacaaggc ctcccagatc 60
 atctccatca tctcagccta tcgtcacgc tccgcgctg ttcttgatcg cttttccgag 120
 ttcgccccag ctctcgagaa gcaactaacg gagactgtct ccaaggggga gccagtgcga 180
 ttcattcttc catccttccc cttcaaggcc cccgcggagg gagacaagcg caagactctg 240

ggctctctgc	cagacaaggc	agaagagatc	gcattgcaaa	ccctcgatgc	atttgccgat	300
tccattgcgg	agatccacca	acccggtgcc	actgtggtga	tctgtctcaga	tgcgtctgta	360
tacggaggta	tgtgtcccga	gggatcccca	gccagacaga	ctgggctaa		408

<210> 9700

<211> 1221

<212> DNA

<213> A.fumigatus

<400> 9700

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atccacgagt	ccaacaacgt	gggcaaaatc	actatgaacc	tcttccctcc	tccaacaaac	120
ccggacttca	tactccctg	gcacggcgcc	gtcgcggtcc	tgcgagacgc	cagcgtgcgc	180
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ttccgcaacc	gcgcgcgctc	ccagtcctaa	ggcgggctga	cccttttcgc	ctcgtcgcgc	720
aacctcatcc	ctctcctcgg	ccgggacagc	atccactcgc	aggagctccg	caagctccag	780
tgggaaacct	tcaccgcgcg	caatgaggca	tttgggcgcc	ataagctcca	gctgccgttc	840
atcatcaccc	accccgagtc	cggcgtcgac	actttccggg	ttcacgagcc	ttggccccgag	900
agcaagtgcg	tgcccggaag	cagtgcgcgc	accctcgtgc	gggttggtgg	ctggccccctg	960
gcggagagcg	atgcgctctg	tgagaagctg	acccggctcc	tgtatgaccg	cggggttgcc	1020
taccgtcacc	agtggagggg	gggggatttc	atcttcaacg	acaacgccat	gaccaccac	1080
actcgcacag	ccttcgagga	cggccaccgc	gagcactggc	gtgtgcatgt	gaataagatg	1140
gtcctctttt	tgaagtcaat	gcgaatat	ccggttagag	acaggaatca	aatgagatt	1200
ggctctatga	tagtttgtct	a				1221

<210> 9701

<211> 576

<212> DNA

<213> A.fumigatus

<400> 9701

gccaagcggc	tactttcttg	cttctcgaag	cttactttcg	gtgctcaaca	tgtcccagat	60
aaagcgtcaa	tagtctccaa	agcgacaaaa	aaggcactgg	aatggctgtc	agctatgtca	120
aattttgata	aggcctcggg	aagagccttt	cgactttgtg	atggattctc	caggcgtctt	180
gcaccgcatg	tcggtgccga	tattgaaaaa	tttcccgcgc	caggcgatac	tgctagggac	240
gctacacccg	atgctcattt	tgatgatgca	gaagatacac	ctgtgggtaa	aacaagtgtc	300
gacaatctaa	ccaccgagct	agatgccatt	gcattgctcac	ccatgaatga	atcaaactcc	360
cctctgcctg	gacagatccc	attcgaactg	gcctcgtccg	atccattcga	cttccctgaaa	420
actgataaat	cagtctcagg	tcacaataca	ttcgacgacc	ttttcccata	cgatgcagat	480
acaggtcaaa	tcacaggatc	tttcttcccc	cctgaaaaca	acattgactt	tgacttggga	540
tgcttctggg	gtgacccgat	attttggaaa	gagtag			576

<210> 9702

<211> 219

<212> DNA

<213> A.fumigatus

<400> 9702

ggtcgtgcat	acagctccgc	tatagcccag	aagcctgaca	gcagcgaagg	gcagtacaag	60
------------	------------	------------	------------	------------	------------	----

gccagcgggtg	acatcgctcgg	agctaattct	ttgggcccct	tcgagggcaa	gtgcagagat	120
tcccatgggtg	gtcgcgcaca	gccaggggat	agcaaaccag	caaagacctc	ctataacata	180
tccctgggaaa	gcgtggacag	gacttgccgc	aatggctga			219

<210> 9703

<211> 429

<212> DNA

<213> A.fumigatus

<400> 9703

atcgagagggg	aactagagggc	tgtcaaacat	gtcctcagag	gaggtcaagt	ttgttgcccc	60
tctttcgcaa	gggtttggat	atggcatcat	tattggattg	ggtttcgctt	ttgcgttggt	120
gatgatcttc	attacctggg	ctttgaggag	gtaagagctt	cccatatccg	tctcatcgt	180
gctacaccaa	atatcggtg	caatgcctct	accttgacct	gcagccatgc	taataaagaa	240
tctacttaca	gatatcagca	tgaagtccag	acatctgaaa	tgttctcgac	cgccggacgg	300
tctgtaaagt	cggttttgg	cgccgcagct	gttgtcagta	gttggaactg	ggcagctacc	360
cttctgcaat	cttcagctgt	ggcttaccag	tacgggtgtc	cggggccctt	cttctatgct	420
tcaggttag						429

<210> 9704

<211> 519

<212> DNA

<213> A.fumigatus

<400> 9704

ttaatttcag	ccattgccgc	aagtcctgtc	cacgctttcc	caggatatgt	tataggaggt	60
ctttgctgg	ttgctatacc	ctggctgtgc	gcgaccacca	tgggaatctc	tgcacttgcc	120
ctcgaagggg	cccaaagaat	tagctccgac	gatgtcaccg	ctggccttgt	actgcccttc	180
gctgctgtca	ggcttctggg	ctatagcgga	gctgtatgca	cgacccta	ggtatttatg	240
gcagttactt	cgcccttctc	agcccaattg	attgccgtct	cctctattgt	cacttacgat	300
gtctatcaag	cgtacatcaa	ccctgccgcc	aagggaaga	gattgggtgtg	ggtctctcac	360
atgtcttgta	ttgtctttgc	tctcatcatg	gctgcattcg	cgacagggct	ctactacgcc	420
ggaattggta	tgggctatct	gtacttgctc	atgggtgtca	tcatctctc	tgcgggtgtt	480
ctcgggtgcta	tgactcttgt	ctggaagcaa	caaaactgg			519

<210> 9705

<211> 726

<212> DNA

<213> A.fumigatus

<400> 9705

ccgggaatag	gtgcctgcgt	tcagattata	ttatttgcca	cactcgccat	cgagctcaaa	60
agaagagccc	ccaacgccc	taccttcctg	gaagctctcc	gcgcgcgata	tggaaactgca	120
gtgcatctag	tgtttattgt	atgttgccct	atgactaata	tctcgtcac	tgccatgtta	180
ctcactgggtg	gttcgcgcgt	tttgacttct	ttgactgggg	ttcacacagc	tgcagcctgt	240
ttcctactgc	ccataggtgt	tgtgctctac	acacttttcg	gcggtatcaa	agcaacattt	300
atcacccgact	acatgcacac	tgtggctcatt	atcgttggtta	ttttcatctt	cgcgttctcc	360
gcctacgcga	cgaatgcgga	attgggatcc	cctggcaaag	tgtatgatgc	actgggtgca	420
gcctctgagc	ttcatccagt	ggaaggcaac	gctcaaggta	gttaccttac	catgagatcc	480
aaggaagggg	ggattttctg	ggtgatcaac	cttgctcgga	tgtacccccc	ggctgcccag	540
tacaataaca	caagctctga	cagatgtttt	gcaggttaact	ttgggttagt	aacatacata	600
attcggactt	cacgtcagat	tgtgatgac	tgtaatagca	cgggttctct	tgacaatggc	660
tactacaaca	aaggtgcgtc	tactctattc	ttgaaagaac	aactgggtga	agaggatact	720
aattaa						726

<210> 9706

<211> 306
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (52), (115)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9706
 tggcttcgct ggaatgtcgt ccttcaatta tgcttgacct ttcttgggtt tnttcttttt 60
 ctgcttacc ttttattggg ataccccgag gcatatatgg gcctgttcga ctctngcatg 120
 cttcctctgc tctacagcca agacaacgtc tcttatcaca tctcgtacct cttacaaatg 180
 aagaaaataa acatctcgtc cagctcactc ggtgacacac gctctacgtt cttgtttata 240
 aatagggtag atcgtaaaca aagccttgct ggctcgctgc caatgtacga cttcgcttat 300
 tcttga 306

<210> 9707
 <211> 531
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (417)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9707
 taccgtgact ggatgaagtc gcgggggaag gtcattctggt accgacgcag tcatacagct 60
 tacacctcag ccgtacggga tatggggatc ccagggttga ctcaatcggt cgttataaat 120
 agttttctga aaccatttaa cactgtttct tcttacattg aaattactcc tactctggac 180
 gaatccattt gcctctcgca agacttccct actcggaaga tggcgttccc atatagccaa 240
 agcccaccct atgacgctcc agctccagat ctgaacccta gtggcggggtc atactatacg 300
 ccccaggacg ccccgcatgg ttatggggct cagcaaccat atggacagcc tggccagctt 360
 gaacagtata cgagtgtcca caccacccag catgatctga gccacaagc gcaacantat 420
 cagccaccgc cgccaggga ttttctgagc ccgtctgatg cgctggggta ccagcatgcg 480
 ccccgaaact acgaagctag aggtcgccag ggcagcaatg ctgagtatta g 531

<210> 9708
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 9708
 gccgctctga tgcgctgggg taccagcatg cgccccgaaa ctacgaagct agaggtcgcc 60
 agggcagcaa tgctgagtat tagtatgaca ctttctcga gtatctgggt ccatctccgg 120
 ctaacgcctt acagcaacca gcataccgac gagcatagaa atatttcccg atcacggcgc 180
 agcogatccc gcgcctccag cagcgcaatg aaagacagat ccggatcgcg gtctaggtct 240
 agatcagggt catcagggca ggatcgtagc cttgcgggaa cgttgatggg aggtgcgtct 300
 ggggtactatc tgggacataa acagagtcac ggtctccttg gtgctttggg tgggtgacta 360
 ctagggaatt ttctggagca ccaggtggag gaacacaagg agcatggtga ggatcatcac 420
 aagcgccatc gccatcgcca tcgtcatcac caccaccacc atcatcataa tcatgatcat 480
 gggcatctcg atcaacacca ccatgaccat cggcatcatc ggagccgttc gagacatagt 540
 agacacagtg attattcttg a 561

<210> 9709

<211> 237
 <212> DNA
 <213> A.fumigatus

<400> 9709
 ggaatttttct ggagcaccag gtggaggaac acaaggagca tgggtgaggat catcacaagc 60
 gccatcgcca tggccatcgt catcaccacc accaccatca tcataatcat gatcatgggc 120
 atctcgatca acaccaccat gaccatcggc atcatcggag ccgttcgaga catagtagac 180
 acagtgatta ttcttgaggt ttgggatcgc tgtgggatgt gtcagtcctg gcactag 237

<210> 9710
 <211> 609
 <212> DNA
 <213> A.fumigatus

<400> 9710
 gccagcaaga gggcatttgt gaattgctta gattcactca gtatgcctcc tccgctatta 60
 tacaatgtcc taccagccgc tcttcagca cattgtgagc cctcgtcacc attcctagct 120
 gccgtttcgt cccacttgca tatctgcctt cctacgcctc ttgcgctctt atcttcgatt 180
 ctcggaacgc tcagcatcat atcctggctt ttgcgagcgc ttccccaat atacaagaac 240
 taccagttgc aatcaacgct cgggctgtcc ctgttctttc tcgtcgaatg gtgtcttggt 300
 gatacaggta accttggtggg cgctctgttt actcggcagg cagcctggca agtcatcata 360
 gccgcctact acgtcttggt ggacgttacc ctagtgttcc agttcttttg gtatacacac 420
 taaaaaggcc gaagggtcgc gtacgggtggc cactccact cccaccatgg cgaagacgcc 480
 ggatcgttcc tggagggagt gccgctatca gaggaggatt cgatcactga tatccacca 540
 cgcaagcctg caacggaagg ctcggccagt attgaccacg aggcgcctaa atccgcgtat 600
 aggttatac 609

<210> 9711
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 9711
 agagctgcac acccagtcgt gcctgctttt cccttttttt tccccctccc attctcacat 60
 ttctctcaat ttgtcaacat ggataacgct acagagaagc aaacctcagc gttagagctc 120
 gaggagcagc ccgtctcgaa gggcgggcct gtctacgatg tcaacgagaa ggtcggcttg 180
 gacagagcag gtgccatcaa tgctgaggat gtcgaacata agatgactgt ggtcagggtc 240
 gtcaaggcct atcccgagc cagttggtgg gcattcgtca tgtcatgcac cattgtaagc 300
 tcttgccgat ga 312

<210> 9712
 <211> 684
 <212> DNA
 <213> A.fumigatus

<400> 9712
 gagctccagc gacgcagatg ttgcagatgt tctgggctat tgggtcaatc attgttggcg 60
 gtatcactta ccactaccaa tccagggatg accccacagc gtacagggtc gtcgctccc 120
 atatatgcca tcgaggagca ctgtactaac agtcatgcc aatccccat tgcactccaa 180
 tggatgtttc ctactcctct cgctatccta ctctacttgg cgctgaatc accctgggtgg 240
 ctctgacgaa agggccgctt ggctgacgca gagaaggctg tcagacgcct tggacgcgcg 300
 agtgcaaatg atgatcccg ctagcgcagtc gcaatgatgc gtcgcacgat cgagcttgag 360
 aagaccgaga agaagccag tcttggtgaa ctgtggaaag gcaccgatct ctatcgaca 420
 ttgatttgtg gcggtgtgta cgcattctcag aatctgacgg gcaatctgat tgctaacca 480
 gcggtttact ttttcaaacg tgagtccaac cctttcctgc aactcacag cagactaaca 540

ccagctcaga	ggccggtatg	gcagacaaca	ccgcatttgc	actcgggtctc	atcactttctg	600
ctctccagtg	gatcatgggc	atgctctctt	ggatcctcac	cacatacctc	ggccgacgca	660
ccatctatgt	ctatggccaa	ttga				684

<210> 9713

<211> 522

<212> DNA

<213> A.fumigatus

<400> 9713

atcatggagt	catactgtgt	tttcttgatg	gggcagttca	tagccacaaa	gcgattcgcc	60
agggactatg	gtgtatggag	cgatgtaaaa	caggatttca	ttattgaagc	ttcatggcag	120
tccgcattcc	agtgtagcgg	accagtcggt	gcttttatcg	gtgtattcat	cgcaggcccc	180
attaccagtt	ggattggata	tcgatgggca	accattggcg	gtctcatggt	tctgaacgcc	240
ttcatcttca	tcttctatct	cggcaacagc	cagggcatgt	ttttagcgtc	ccagatcctg	300
gaaggcatcc	cgtgggggat	ttttgtcgcc	aatgcacccg	cctactgttc	cgaaattgtg	360
cccatgagat	tgagagctcc	agcgacgcag	atggtgcaga	tgttctgggc	tattgggtca	420
atcattgttg	gcggtatcac	ttaccactac	caatccaggg	atgaccccac	agcgtacagg	480
ttcgtccgct	cccatatatg	ccatcgagga	gcactgtact	aa		522

<210> 9714

<211> 297

<212> DNA

<213> A.fumigatus

<400> 9714

gtccaaccct	ttcctgcaca	ctcacagcag	actaacacca	gctcagaggc	cggatatggca	60
gacaacaccg	catttgcact	cgggtctcatc	acttctgctc	tccagtggat	catgggtcatg	120
ctctcttggg	tcctcaccac	atacctcggc	cgacgcacca	tctatgtcta	tggccaattg	180
atcaactgtg	tattcttggg	cgcgctaggt	attgcggctt	cagtcggcgc	cagtaaggca	240
gctagcaatg	cgggtcttcac	cacgggggctg	gaaggatccg	acgggggtgct	tacaaaa	297

<210> 9715

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9715

ccaacgtctt	atcttccatt	gtcttttagt	tctattcaag	tcctcctctc	tcctgctgta	60
acctaccaag	ttgactgctt	gtcaattatt	gccttttctg	ttttgctctt	catccgtttt	120
tcacctcat	tttgtctctt	ttccctctgc	gtccgtcaag	tcacacaccg	aacctgacc	180
gacctagata	aaattttctc	gcttcgaata	atatcagtgc	aaatcggttg	ctaa	234

<210> 9716

<211> 399

<212> DNA

<213> A.fumigatus

<400> 9716

ccgtatgcac	agttccgcaa	caagttcctt	cccaaggata	tcaagatcgt	cggatatgct	60
cgaacaaaga	tggaaccaga	agaattcttg	aagcgagtgc	gatcatacat	taagggtccc	120
accaaagaaa	ttgaggagca	gctggacagc	ttctgcggtc	tctgcaccta	catctccggt	180
caatatgacc	aggacgattc	tttcattaac	ctgaggaagc	acctcgagaa	ggttgagaag	240
ggccacaagg	agcaaaacag	agtcttttac	atggcgctgc	ctcccagcgt	cttcaccact	300
gtgtcagagc	aactgaagag	gaactgctat	cccaagaatg	gcattgctcg	gatcatcggt	360
agtttcccta	cacaacctga	agagaagagc	aacatctga			399

<210> 9717
 <211> 327
 <212> DNA
 <213> *A.fumigatus*

<400> 9717
 gaagaaactt tggcagcttc gtcacacatg gtacgcattg ggtcgcatca gctccgaata 60
 gcaactaacc tcgttctaga aacgaagcac ttcattctact tgctacctcg gacactgcgc 120
 catcctcctc ttcaagacac aatagaatca tacgttatgt tcaacttcta ctttggggat 180
 ggagagtcga ctttacgaag cccttcggct aaaagtggta acccgagatt gacccttcga 240
 gaacagtcac agatggaagg ttggtgcgct gctgctggac ataacagaca tcggttgctg 300
 ctggacaagt ccaatgtgtc ttgttga 327

<210> 9718
 <211> 927
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (917)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9718
 attgaggttt gctcggggac taatatatac tgtcagcgta tcgtcgggtg tcgccacaag 60
 tgtctgacct gccccgactg ggactactgc tcagagtgtg ttggcaacgc cgcgcaaacc 120
 caccagggcc atcgcttcgc tcccctctat gaggccatct ccgagccaat acagcatcat 180
 gaggtccact atggcatcta ctgcgacgga ccattgtgca aagacaagcc gttccccgc 240
 tacataactg gagtccgta caagtgtctt gtgtgccatg atactgattt ctgcgcaaa 300
 tgtgaagccc taccgaccaa ccccataaac cgcacccacc cattgctgat gctcaagaca 360
 ccggtacgcg gcgttactat cagcaattcc gtgactgaga acgggttcgg tggccctgtc 420
 atccttacag gtgaccaagt caacagatct acctcggcac aagccaatat cccagccgaa 480
 gctgagaagt cttcagaggc gccacaccac gaggaagaag caactgtgaa gcaaaaggaa 540
 gtcgtggaac catctccagg agcggccgaa aaggcgcaat ccaaggtgta tgagatgcca 600
 actaccgatc cggcttcag ctatcaagct ttcttcatac gtgacaccgt ccatgacggc 660
 accgtcatgc taccgaacaa ggtattccag caaacatgga cactctataa ccttggaaca 720
 cttgcatggc ccgctggaag tagtgtgcgc tttgtgggcg gtgattccat gtttaatgtc 780
 gataccaatc gcccatgag tcttgatgca gtctccgcgc ctatggagag caaccagctg 840
 ctcgaacctt tggagcctgg ccaaagcgcc gatttcactg tgtcttcacc acggggctgc 900
 aaggggcccgc tccagtngct atcaaac 927

<210> 9719
 <211> 921
 <212> DNA
 <213> *A.fumigatus*

<400> 9719
 ctccgtcaac tcattggcgt cccacccgat agtaacatca tctttgaacg ctactctgac 60
 agcgcgggtt gctatgtccg cttagacagc gagaatctcg cagtctacaa gcaactctac 120
 cgtgctgcta aagctaagtt gaagctgcgt atcagagcga cattggtcaa cgaaagtgaac 180
 gagcctgttg cgcagcctgc tctttccgag aatgctccgg aggaacaggg cccagcaaga 240
 tacagctacc tggagactgt cctgagttcc cccccacctg tgatgggttc cgaagtagta 300
 ccctctggc cttcggaatc ggtgcctggc ctgctaggtg ccctcgagaa acctgcttca 360
 gttggtcccc agtctgctca gtggacaaag gacaacacgg caccgctca gcctggctat 420
 agagactttg tccttaaacac agataacgtc gatgtgcccc tcgtctcgca cagggtccca 480

accggtgtat	tctgcattga	ctgcaacaac	tgcggacgtt	ctattcgcaa	tgaacactac	540
cattgcagca	tctgtgaaga	cggtgatttc	gatctatgct	ctcaatgtgt	aaactcgggc	600
gtctcgtgtc	aatctgaaga	tacttggttg	atcaagcgta	ttgtcgaaga	tggcattgtc	660
actaacagca	ctactgaacg	agtggctcct	cgcaagggtg	aggaaccgag	acagtccaag	720
acggggtctg	aaactctacc	tgagctcgct	cccgaagagg	tccaaaagcc	tactcctgct	780
cccgaagagg	tccaagagcc	tactccagct	acagctgaaa	agtaccact	tcaacctgcg	840
gagcggatct	gcaactcttg	tctcaagggt	gcgttgcttg	ttgtcacaca	tgagggttcc	900
gttggtgctc	actctcggtg	g				921

<210> 9720

<211> 192

<212> DNA

<213> A.fumigatus

<400> 9720

aataaagtaa	tagaacagat	tttatggctt	aacacgatag	agagcttgcc	aacggtggtt	60
ggcaaggact	ccatggtgct	tgatggggag	tggttcaagc	tccgaccgga	gctaactagg	120
gtggaatacc	atcctactta	ccttctgaag	gaagaaccgg	agcaccctag	ttctctcagg	180
gggaacctgt	ga					192

<210> 9721

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 9721

gctcgtggaa	tctttcaacc	cattcaatgc	tgtctttgcg	aagggtgaaga	cctccagaca	60
tcgccaggct	ttccaataaa	caaaaggaaa	gtcacttggt	ctggagggtcc	ctgtgcgtcc	120
ggatcaatca	actgtggata	tcttcctttt	aaggagttgg	gcggatcgtt	gttttgccca	180
ggaagtagtt	gctgtccact	gctaaccatg	gcttcgatct	ctctgcctct	tccacctcag	240
tcacctgctg	ccttgtctca	gcatttcgat	tgcctagcc	agtctcccag	ccgacacagc	300
cgctgtaatt	taagcatggc	cgcgcctctt	cccaatccac	cattcgtctt	tccagctcgc	360
gatccagaac	cctcgaatat	gcggccatcc	gcgcgcctg	agcaaagaag	cagaattcct	420
cacctctctc	cagctttctc	cttcaacctt	ggatcgtccc	acaccacgca	atccccgta	480
tcagcagttc	ctccggctcg	agtgagtgga	caccgtcggc	gacctagcga	attcattgga	540
ggagatcagt	tagtcaccaa	gggagtgcga	gagaccggcc	agagcaacga	tgaaaattca	600
ttgccagctc	ctgctaaact	ccctactcct	ggctcctggat	tcagtgcagg	tggggcccgga	660
cgacgtcacc	atgcccatcg	acgatcagca	gocgtctctg	gtgtagatct	tgcggaaata	720
actaaagcgc	ttgcactgaa	acccgcagta	agcacaccat	cgacaccagc	agacccaaaa	780
atcggcgctt	tcgaggaaca	acaccggccc	gtctctact	cagcgatatc	tctgagtcga	840
ccaacacctc	cagcctctcc	tcggattcca	ttcgctggaa	gctcgcctca	tcgggctgcc	900
actgaatctc	cagttcaatc	acccgctagt	ggacgaccag	ttttgccggg	caagcccaat	960
agccctggac	ccaatggctc	ccaccagtca	caactgggtg	ctagaaatag	cggaaagtct	1020
ggtaaagatg	gttttctcgc	tgtaaatgac	gcgacacct	ctgctccgga	aaaggctttc	1080
cctataccca	ggactgccga	tgcgctcttg	atgtgtgatc	ttggtggaaa	cgggggtttc	1140
ggcgatgtat	cgcatatgaa	gcgaccgtcg	tctgctact			1179

<210> 9722

<211> 198

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (17)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9722

gtgtctacca	agtgcana	acgtatat	atgacgaca	ttgccaagt	acatggcaca	60
aaccaggcgg	tttcctgtt	cttgttca	cactctgg	aacctgaa	aaatacagga	120
accgcaa	atgtagcc	ttt	gtcccaaa	at	gggtctt	180
tttactttga	aaattaat					198

<210> 9723

<211> 672

<212> DNA

<213> A.fumigatus

<400> 9723

ctcgcaaaga	atgtacttac	gttcaacat	ctcttcgacg	gcatcccat	catataccag	60
gggcaggagc	agcacttta	cggagcata	tacgccaaca	acagtaaccg	agaagccgtc	120
tggctgtccg	gctacaacac	cgacgccgag	ctgtacaagc	tggctgcca	gctcaaccgc	180
ctccgcaaac	acgtatacaa	cctcgacaac	aactatctcg	acatcgagac	ataccgatc	240
taccagggtc	ccagcgagct	cgcctttcgc	aaaggcgctc	agggccgcca	gaccatcatg	300
cttctctcga	cgcaggggcg	caaccagaaa	gagccgtacg	acctgtacat	gcccgtaagc	360
tttaaccccc	gtgtagtagc	gatggacgtc	ctcaactgtg	tcaactatac	cgtaaccggg	420
gccggtcaac	tcgtagtccc	catggacaag	ggcgagcccc	gcgttttctt	ccccgcgaac	480
ctcatgcccc	gcagcgggct	gtgcggcttc	agcgacacaa	acatcagcta	tgtcgagctg	540
aagacgggca	agccggcatc	atcagggtct	gcgaagggtg	tctcgatgac	gccggcgggg	600
ataccggtga	cgattctgtt	ctctgttttg	gtgtcattgg	ggtttggggt	ggggtttggg	660
ttgggggtgtt	ga					672

<210> 9724

<211> 453

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (383)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9724

attgtatcat	tgaattgtca	atgtgatctg	tccgctaggt	tgcataatga	aacacgcagg	60
gcaaaaagca	aaattaagca	ttgcatcaat	tattatgggg	ataggataga	tagtgataag	120
gacagacaca	gtctaata	cat	gcgaatggca	gatcctcata	tacatacaga	180
gtatacgtcc	agtacgcggt	gggtggttgt	cctatctacc	agaggagatt	tccgggtgcg	240
cgaaccggat	cattcgtttc	tgagatgaca	aaaggttcac	gcttacagag	ccagggcgac	300
cagaccaagc	aggagcgatc	cagcggggac	ggtgagcgag	ccggcacogt	tgggggtggt	360
ggtggggggag	ctggtgctgg	aancggaagc	gccgctggtt	tcgctgcogg	tggcggaggc	420
agtcttgga	gctgcagagg	cggagaatat	tag			453

<210> 9725

<211> 288

<212> DNA

<213> A.fumigatus

<400> 9725

agacgcaaca	cgagttcctt	ggcaaacatt	gtagaagtga	tgaagaacag	ctgtcacgac	60
gtcacatcca	tgactacctt	cacagagagc	cacgacgtga	accgtttcgc	caacatgacc	120
tcagacatgg	cggtagggac	cgaccccttc	ccccccacca	aggctattcc	ccccccgctc	180
cccgtgata	cattgaacce	cttttttagct	cgcaaagaat	gtacttacgt	tcaacatcct	240

cttcgacggc atccccatca tataaccaggg gcaggagcag cactttaa

288

<210> 9726

<211> 303

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (61), (132), (150), (245), (263)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9726

catggcagcc	agattcttca	acatatacgg	aactggatta	gatccgggta	cccagatcaa	60
nttggttttc	cagggatccc	cagaacacgg	gaatctttgg	cccagtggca	gcagttcaag	120
gtgggttctt	cnggctcctt	gaccacttcn	gacttgattt	ctagcgcttc	tgctactggc	180
tccgcgtcta	cttctttttc	tagcaccgta	cggttcttta	gcactgcatc	tgcataatgc	240
accgnttttg	catctgccac	cgntttttcc	accttgagca	agtccgcctc	tggcacaggt	300
tag						303

<210> 9727

<211> 285

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (24), (42), (185)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9727

cactgcatct	gcatatgcc	ccgnttttgc	atctgccacc	gntttttcca	ccttgagcaa	60
gtccgcctct	ggcacaggtt	agtcgcctgt	tctgggttct	tcaagagtcg	tgtgctaata	120
ttctccgcct	ctgcagcttc	caagactgcc	tccgccaccg	gcagcgaaac	cagcggcgct	180
tccgnttcca	gcaccagctc	ccccaccacc	acccccaaag	gtgccggctc	gctcaccgtc	240
cccgtctgat	cgctctgct	tggtctgggt	gccctggctc	tgtaa		285

<210> 9728

<211> 462

<212> DNA

<213> A.fumigatus

<400> 9728

agctactcac	taggtcccga	tgaatatgta	atggcggtta	agaatatgga	ccttgaagtt	60
tccgaaaaca	cccacgagcg	caggaatatg	attgttgctg	gaacggcatt	tgctcggggc	120
gaggacatcc	cctctcgcg	ctgtattttac	gtgttcgaag	tgatcaaagt	ggttccggac	180
ccggagaaac	cagagacgga	ccgcaaactg	aaactaatag	gcaaggagct	ggtcaaaggt	240
gccgtgactg	cgctatcaca	gattggcggt	caaggattcc	taattgctgc	gcaagggcag	300
aatgcatgg	ttagggggct	gaaagaggat	ggcagtctgc	tccccgttgc	tttcatggat	360
atgcagtgtt	atgtcaacgt	gctgaaagag	ctcaagggtg	ctggaatgtg	tataatgggg	420
gatgctgtca	aagggctttg	gttcgcgggc	tactcggtat	ga		462

<210> 9729

<211> 492

<212> DNA

<213> A.fumigatus

<400> 9729

tttcaaatag	atccaaaatc	atctaacggt	gatagattgc	tggcccgcag	caaatttcac	60
atgggtcact	ttgccacaac	aatgactctg	ttgccacgta	ccatggtctc	ctcagagaaa	120
gcaatggcca	accagattc	aatggaaata	gattcccaaa	ccatatccca	gcaagtcctc	180
attacctctc	agagcggctc	agttggcatt	gtgacgtctg	ttcctgaaga	gtcatatcgc	240
cggctttcag	ccttgacgtc	ccaattagcg	aattcgctgg	agcatccttg	cggcctgaac	300
cctcgagctt	accgagccgt	tgaaagtgac	ggaacggcag	ggagaggcat	gcttgatgga	360
aatctgctgt	atcaatggct	ggatatggga	caacaccgca	agatggaaat	tgctgcccgg	420
gttggggcac	atgagtggga	gatcaaggct	gacctcgaag	ctattggtgc	agaggggactg	480
ggatatttgt	aa					492

<210> 9730

<211> 357

<212> DNA

<213> A.fumigatus

<400> 9730

aatttgggac	aacgaattag	gaggcttctc	ttgtctttct	ttaaccttat	atctttgatt	60
ctttcttact	tgatttcttt	ctctcgttca	ggctttcttc	ttgtttcctt	gcgctatcgt	120
gtccagggct	cttctaccag	catcgctcc	tgcgccttgt	catctattca	tctaagtcc	180
tattctctca	accgagcacc	gacctattcc	tgcccatcac	aaggcgggtt	cactccttac	240
cactttctta	aatgtcttac	aatcgagttc	tcccaaacc	tctgtcttg	ctatatgaca	300
ctcctcaagt	ccctattcca	agacgggtcaa	gtagcctcct	tgaacacaag	atcatga	357

<210> 9731

<211> 210

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (137)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9731

atatttctgt	ttacttttgc	ggctccttgg	atctcccttc	ttttggggaa	aaccaagtca	60
gattttcgcg	gatgttatat	gatcatactt	atgcctatgc	ataatatagt	agaggggcga	120
ttggctgctg	tcttttnttt	ttttttttct	tttctttctg	cccccttttt	ctccctttat	180
tatatccttt	gtcaaataga	cagcttctga				210

<210> 9732

<211> 822

<212> DNA

<213> A.fumigatus

<400> 9732

ctcgaaagag	gttatacaat	ctcgttcgac	ttccctcaga	agttcgcaaa	cttcttcatt	60
ggcaagcgag	gcgagaacat	caataaactt	cgcgaggaat	tcgatgttga	catcaagggt	120
gacaacggca	aggtcgaagt	caaaggacct	aaggctaaag	cggatgctgc	caaaaccgcg	180
atcatcaatc	tgggaaagaa	actggaggat	gagacgactc	acgttctgaa	gatccccgca	240
cagtaccacc	gcgaacttat	cggtcagaag	ggaagccagg	tcaacagact	gcaggaccgc	300
tactctgtcc	gcgttcaatt	cccaagggcg	gcggttgcaa	cacctagctt	tgacgatcaa	360
tcogtgccag	acacttctag	cgaagttagc	ggctctcgtc	ccatccgccc	caaccaggcc	420
cctgatgaag	tcattgtcaa	gggtccgagc	aagggtgcgg	atgccgccag	agatgaaatt	480
ttgagtctgt	tgcagtgggt	cattgaccac	tctcactcag	ctacagtatc	tggtgctcaa	540

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agtcaaatcc catctctgat cggccagcgt ggccgtgaga tggacaagct tcgcgctgat 600
acagggggcgc aaatcgacgt tccgggagct aatgacgcgc ccgacgcttc gggtcgcgtg 660
cagataaaga tcaagggcac aaagcagcag gtcgaggaag caaagaagat tctgctgcag 720
cgttccagcg aatttgacgc tattgtcacc aagacgattg atgttgacaa gaagtatcat 780
aaggctttga tcggcgctgg cggtaagttt gtgttgatat aa 822

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<210> 9733

<211> 1023

<212> DNA

<213> A.fumigatus

<400> 9733

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gtatctcgtc caccttggaa gctgactcaa tgcccaggtg cgaatattcg caagatcgtc 60
accgaagccg gtggtcctac cgacggaagt gcctcacgca ttgtcagatt cccccggccc 120
gatagcagtg aatccactat taagttggaa ggaaatggca aggtcgttga caatatcatt 180
gctgctatcg aagctttcgt aagggaacgc gaagaccagg tgacagtcac tgtcgacatt 240
cctcctgtac agcataggct gctgatcggc cgcgaggcg agacgagacg cggattgaa 300
tcgcagttta atgtcacctt ggacatccct aaacaaggct ctggacggac cgatatcaag 360
ctgaagggcc caagcaacgc cgtcgagagt gcaaaggagc atattcttgc catgctgaag 420
gatcagcagg gcgaacacgt agaagttcct cggcatctgc accatgttgt tgcagacaat 480
ggcgcccttt tccgacgcct ccgcaacgac taccgagtta ccgttgacca cgctggccag 540
caagtggcgc tcaaaccggc ttccgaagag tcccgcgcca cgaccaatgg ggcgtcatcc 600
cttccattga tcaactgatg gccagcgac tctgtggacg ctactcttg gaaggttgtc 660
gatcacagcg atgcctccca agatgcaacg caaccgcgca ccatcccatg ggtgcttatt 720
ggaagtagcg acaatgtagc cagagccaag tcggcattgg aaaaagccat tgcttctgca 780
tcccagcaga cctcgactgg ctatctgatt ctgcccgatc ccaagacata ccgtttcgtt 840
attggccagg gcgggagcca gatcaacact atccgcaaac agacgggatg ccggatcaac 900
gtgcccagg atcaggctcg cggtgaggcg attgaaatca agggcagtaa agacggactg 960
gagaaagcaa aggagatgat ccttgacgcc gtccgcgcgc gcctcaacgg cggctccaga 1020
tga 1023

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<210> 9734

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9734

```

gcttctgaag tggtgccaat ttctccgtgt caccgggagc tcaacccgca taccttgcta 60
acgaactttc aggagctcaa gttcgggtgt gaagcccggt ctcagctcct caagggtgtt 120
gacactctgg ccaaggccgt gacttcgact cttggctcta agggtcgtaa cgtccttatt 180
gagtctccct atggctcccc taagatcacc aagggtacgt ttgactcgag ttaa 234

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<210> 9735

<211> 1557

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (145), (861)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9735

```

ctaaaaatag atggtgtctc tgttgccaag gccatcactc tccaagacaa gttcgagaac 60
ctcgggtgctc gcttctctcca ggatgtcgtc tctaagacca acgagattgc tggtgacggc 120
accaccaccg ttaccgtcct tgccngtgcc attttttttg agaccgtgaa gaatgttgct 180

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gctggctgca	accccatgga	tctgcgcgcg	ggtatccagg	ctgctgttga	tgctgtcgtc	240
gactacctcc	agaagaacaa	gcgtgacatc	accaccggtg	aggagatcgc	tcagggttgct	300
actatctccg	ctaaccggtga	caccacacatc	ggtaagctga	tctccaccgc	catggagcgt	360
gttggaagc	aggggtgcat	cactgtcaag	gagggcaaga	ccattgagga	tgagctcgag	420
gtcactgagg	gtatgcgctt	cgaccgtgga	tacacctccc	cctacttcat	caccgatacc	480
aagtcccaga	aggttgagtt	cgagaagcct	ctgattctgc	tgtctgagaa	gaagatctct	540
gccgttcagg	acatcatccc	cgcccttgag	gcctccacca	ccctccgccc	ccccctgggt	600
attatcgcag	aggacattga	gggtgaggct	ctcgccgtct	gcattctgaa	caagcttcgt	660
ggccagctgc	aggtcgctgc	tgtcaaggct	cctggattcg	gtgacaaccg	caagagcatc	720
ctgggcgatc	ttgccgtcct	taccaacggt	accgtcttca	ctgatgagct	cgacatcaaa	780
ctcgagaagc	ttacccccga	tatgcttggt	tccaccggcg	ccatcaccat	caccaaggag	840
gacaccatca	tcctgaacgg	ngagggcagc	aaggacgcca	ttgccccagcg	ctgcgagcag	900
attcgcggtg	tcattggcgga	ccccagcacc	tccgaatacg	agaaggagaa	gtcccaggag	960
cgtctagcta	agctctctgg	cgggtgttgc	gtcatcaagg	tcggtgggtg	ctccgagggt	1020
gaggtcgggtg	agaaaaaaga	ccgtgttgtc	gatgctctca	atgctaccgg	tgctgctggt	1080
gaggagggtg	tcctccccgg	tgggtgtacc	gcccttctca	aggccgccc	caacggcctt	1140
gacaatgtca	agcccagagaa	cttcgaccag	caactcggtg	tgagcatcat	caagaatgcc	1200
atccccgcc	ccgctcgcac	cattgttgag	aacaccggcc	tcgagggcag	cgctattgtc	1260
tgaagctga	ccgacgagtt	cgccaaggac	ttcaaccggc	gtttcgacag	ctccaagggc	1320
gagtacgtct	acatgatctc	cagcgggtatc	ctcgatcccc	tcaaggttgt	tcgcaccgct	1380
ctgctcgaca	ccagcgggtg	cgcctccctg	ctcggtagca	ctgaggtcgc	tattgttgag	1440
gcccctgacg	agaaaggccc	cgctgctcct	gcattgggtg	tatgggtggt	atgggcggca	1500
tgggtggcgg	catgttctaa	ctgggtccat	tggccttggt	accatagcct	ttcatga	1557

<210> 9736

<211> 588

<212> DNA

<213> A.fumigatus

<400> 9736

aaggctatgg	taccaaggcc	aatggaacca	gttagaacat	gccgccaccc	atgccgccc	60
taccacccat	accacccatg	caggagcagc	ggggcctttc	tcgtcagggg	cctcaacaat	120
agcgacctca	gtggtaccga	gcagggaggc	gacaccgctg	gtgtcgagca	gagcgggtcg	180
aacaaccttg	aggggatcga	ggataccgct	ggagatcatg	tagacgtact	cgccttgga	240
gctgtcgaaa	ccgcgggttg	agtccttggc	gaactcgtcg	gtcagcttgc	agacaatgac	300
gctgccctcg	aggccgggtg	tctcaacaat	ggtgcgagcg	gggcgggtga	tggcattctt	360
gatgatgctc	acaccgagtt	gctgggtcga	gttctcgggc	ttgacattgt	caaggccggt	420
ggcggcggcc	ttgagaaggg	cggtaccacc	accggggagg	ataccctcct	caacagcagc	480
acgggtagca	ttgagagcat	cgacaacacg	gtcttttttc	tcaccgacct	caacctcgga	540
ggcaccaccg	accttgatga	cggcaacacc	gccagagagc	ttagctag		588

<210> 9737

<211> 963

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (103), (819)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9737

acgctcctgg	agcttctcct	tctcgtattc	ggaggtgctg	gggtccgcca	tgacaccgcg	60
aatctgctcg	cagcgtcggg	caatggcgtc	cttgctgccc	tcnccgttca	ggatgatggg	120
gtcctccttg	gtgatggtga	tggcgccggt	ggaaccaagc	atatcggggg	taagcttctc	180
gagtttgatg	tcgagctcat	cagtgaagac	ggtaccgttg	gtaaggacgg	caagatcgcc	240

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caggatgctc ttgcggttgt caccgaatcc aggagccttg acagcagcga cctgcagctg 300
gccacgaagc ttgttcagaa tgcagacggc gagagcctca ccctcaatgt cctctgcat 360
aataaccagg gggcggcgga ggggtggtgga ggctcaagg gcggggatga tgtcctgaac 420
ggcagagatc ttcttctcag acagcagaat cagaggcttc tcgaactcaa ctttctggga 480
cttgggtatcg gtgatgaagt agggggaggt gtatccacgg tcgaagcgca taccctcagt 540
gacctcgagc tcactcctcaa tggctctgcc ctccctgaca gtgatgacac cctccttgcc 600
aacacgctcc atggcggttg agatcagctt accgatgtgg gtgtcaccgt tagcggagat 660
agtagcaacc tgagcgatct cctcaccggg ggtgatgtca cgcttgttct tctggaggta 720
gtcgacgaca gcatcaacag cagcctggat acccgggcgc agatccatgg gggtgcagcc 780
agcagcaaca ttcttcacgg tctcaaaaaa aatggcacng gcaaggacgg taacgggtggt 840
ggtagcgta ccagcaatct cggttggtctt agaagcgaca tcctggagga agcagacacc 900
gaggttctcg aacttgtctt ggagagtgat ggcttgga acagagacac catctatctt 960
tag

```

<210> 9738

<211> 783

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (468)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9738

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acgtactcgc ccttggagct gtcgaaaccg cggttgaagt ccttggcgaa ctctcggtc 60
agcttgcaga caatgacgct gccctcgagg cgggtgttct caacaatggt gcgagcggg 120
cgggtgatgg cattcttgat gatgtcaca ccgagttgct ggctgaagtt ctccggcctg 180
acattgtcaa ggccgttggc ggccgcttg agaagggcgg taccaccacc ggggaggata 240
ccctcctcaa cagcagcacg ggtagcattg agagcatcga caacacggtc tttttctca 300
ccgacctcaa cctcggaggc accaccgacc ttgatgacgg caacaccgcc agagagctta 360
gctagacgct cctggagctt ctccctctcg tattcggagg tgctggggtc cgccatgaca 420
ccgcaaatct gctcgcagcg ctgggcaatg gcgtccttgc tgccctcncc gttcaggatg 480
atggtgtcct ccttgggtgat ggtgatggcg ccggtggaac caagcatatc gggggtaagc 540
ttctcgagtt tgatgtcgag ctcatcagtg aagacggtag cgttggtaag gacggcaaga 600
tcgcccagga tgctcttgcg gttgtcaccg aatccaggag ccttgacagc agcgacctgc 660
agctggccac gaagcttggt cagaatgcag acggcgagag cctcaccctc aatgtcctct 720
gcgataataa ccagggggcg gcggagggtg gtggaggcct caagggcggg gatgatgtcc 780
tga

```

<210> 9739

<211> 216

<212> DNA

<213> *A.fumigatus*

<400> 9739

```

ttctgggagg agaaatcagg gaaagtgatc catagcccc ggatccgcga agctggctcc 60
gctattgtct ttatgcccgt cattggcatg tatgtactga aaaaggtcgt caaaatacat 120
gctctgctcg cctggggcaa tgcccatttg ctactctgc tggggattca gatgattcaa 180
ggcgttcgga acaaagtcca gctgctcgtt ctgtga 216

```

<210> 9740

<211> 414

<212> DNA

<213> *A.fumigatus*

<400> 9740

cctgacaaac	gtcgtggaat	cactaaccgc	gtgatcgcaa	ttgcaggtag	gggatggggg	60
tcagttttctc	tgctgaagaa	actcgatata	gagaactaca	atgtcgttgt	tatctctcct	120
cgaaactact	tcctctttac	tcctctcctt	ccctcttgca	ccactgggtca	ggtcgagcac	180
cgctcgatta	tggagcctat	tcgtaacatc	ctccgccaga	agaaggctca	cgtgaagttt	240
tacgaagccg	aggctaccaa	gatcgactac	gagaaacgcg	ttgtctacat	cagtgcgcac	300
tctgaaatca	agggtgacat	ctctcacacc	gaggtgcctt	ttgacatgct	tgctggtggt	360
gtcgggtgctg	aaaacgctac	tttcggtgag	tcgcgggctt	taagtgcata	ttga	414

<210> 9741

<211> 240

<212> DNA

<213> A.fumigatus

<400> 9741

ctctttctctc	cctttctccc	cttctccctt	cgcctagggtg	cgatcaagac	cttcaatggt	60
tggaagtcc	atgttcgcgt	ccaacatggc	ttccccaact	gtcatgcagt	taacgtcgct	120
gtcgcgcagg	tcgctttcga	cgcgatcgcc	agccctcggt	ctccggtgtg	cacgccctct	180
gagatccgct	acttctctctc	agcagtggtg	ccagcgcacc	ttccgtcgct	cctatgctga	240

<210> 9742

<211> 1155

<212> DNA

<213> A.fumigatus

<400> 9742

gtgcaaattg	atcgcaagac	accagttaac	ggtgtaatta	cagggatcaa	gggggtgaag	60
gagcactcct	gctttctgaa	ggaagttggc	gacgcacaga	agattcgcaa	gcgcacatg	120
gactgcgtcg	agaccgctat	gttcaaggac	caaccgcagg	aggaagtcaa	gcggcttttg	180
cacatggtgg	ttggtgggtg	tggccctacc	ggtggtgaat	tcgccggtga	gctgcaggac	240
ttctttaatg	aggacctgaa	aaaatggatt	cctgagatca	aggataactt	ccacgttacc	300
ctcgtcgagg	ctttgcccac	cgctcctccc	atgttctcca	agcaactgat	cgactacacg	360
gaatcgacct	tcaaggaaga	agccattacc	attcgcacta	agactatggt	caagaatggt	420
accgacaagt	atatcgaggc	cgaagtgacc	aagcccgcag	gaaccaagga	actggagacc	480
attccctatg	gcctgctggt	ttgggccact	ggtaacgctg	ttcgtaatgt	tgtccgggac	540
ctgatgaacc	agatccctgc	tcagaagaac	tcacgacgtg	gtctggccgt	gaacgagtag	600
ttggttgctc	acggtacaga	gaacgtctgg	gccgtcggtg	actgtgccgt	taccaactat	660
gcaccactag	cccaggttgc	cagtcaggag	ggtgctttcc	ttgctcgctt	ttttaacact	720
atggccaaga	ctgaggctat	cgaaaaagag	ctgaagaggg	tttccgaggg	tcaggccgtg	780
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tgcctccttc	gccctaccaa	ccacaaaatt	gtcccttttc	cgtttctaac	aatttcaata	1080
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<210> 9743

<211> 438

<212> DNA

<213> A.fumigatus

<400> 9743

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ggtctccggg	tgtaacgccc	tctgagatcc	gctacttctt	ctcagcagtg	tgtccagcgc	180

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<211> 183
<212> DNA
<213> A.fumigatus
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<211> 384
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<213> A.fumigatus
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<211> 240
<212> DNA
<213> A.fumigatus
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<210> 9747
<211> 1125
<212> DNA
<213> A.fumigatus
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ctgtggaact catacatgat taacccctt ctttccctca gaagccactt gtctcgctt    120
gggaaactgc acctcgacat gtctcgaatg ttgacatatg taatacgagg attctgtagc    180
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atgttacttg aaatgacgga attcgatttt catgcggagg ccgcggtcc gctaggatat 720
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tacgttggtg ctggtgcgct gaaaagctca ttctcgcgac atgggagcag tctctcgtnt 1080
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<210> 9748

<211> 1356

<212> DNA

<213> A.fumigatus

<400> 9748

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cgctcgacgg tgtttttcacg tttcggcgag gccatcacgg gtgtcgcaag cattcaagcg 180
tatagaatgg aagggtactt ccagcggaat ctgcatgaaa gcatcgactc aatgaatggt 240
gcataatttc tgacgtttctc caaccagaga tggctctcga ttcgccctga tgctattggc 300
agtctaataga tccctgggtggg gggaattctg gtcgtcacct ctcgtttcaa cgttgggcca 360
agtatctccg gtttggtact gtcgtacgtt ttgaacatca ctctgagctt gcaattcacc 420
atccggcagt tcgctgaagt tggaaacaat atgaatgccg ctgagcggat ccattactac 480
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gtgctcaagg gactcacgat ggacgttcgc ggcggggaac gtattggcat tgttgggcgg 660
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ggaagtatca agatcgatga cattgatatt gcgacagttg ggctgcgtga tcttcggact 780
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<210> 9749

<211> 588

<212> DNA

<213> A.fumigatus

<400> 9749

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caacaacaaa cagaacgcac ccgcgcaact acacccgtct cctcgaattc ctggtcctgc 120
tgtacctcca ccagacacga gcggactcca ggaaatgtca cggctcttca ggccgccgtt 180

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tctaggtgga	atattgatat	agtccgggta	ctgctcgaat	ggggcgctga	tgtcaatgca	240
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catcgagtca	tgacggacct	cctgggtgcat	cagggggctg	gtgtcaacgg	cgtgcccagt	360
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gaatatctac	tggtcatagg	agccgatgct	gatgctctag	ccagaacatt	tgggtgggtg	480
tacagccttg	caagggggcg	caacacgcgg	caacattcgc	attgtgatga	tgctgcgtcc	540
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<210> 9750

<211> 717

<212> DNA

<213> A.fumigatus

<400> 9750

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acaatgccaa	tacgttcccc	gccgcgaacg	tcctatcgtga	gtcccttgag	caccagaggc	600
agtccatcac	gataccgcat	ttgcacatct	gagaacgtaa	ttctcccctt	ttcggggccag	660
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<210> 9751

<211> 372

<212> DNA

<213> A.fumigatus

<400> 9751

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gtcttggcca	gtcttggggg	cccaccgcag	ttcccgggac	agcctgataa	tgagatgttt	300
gggctggagc	ggcgctattc	cgagcaaaga	tttgggtcga	cgaggcagag	ggcgggaagt	360
atccatcggt	ag					372

<210> 9752

<211> 246

<212> DNA

<213> A.fumigatus

<400> 9752

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agtgtttcaa	atTTTTTcaa	aaacaacaac	aacaacatca	tcatcatcat	cgtcatctgg	180
ataaaccatg	atcgctctaa	cccagcatct	tgtttacctt	ttcagagaac	ccgaacttctg	240
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<210> 9753

<211> 1152

<212> DNA

<213> A.fumigatus

<400> 9753

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cgaaaatcaa atcttaatgc tccggtcgcg aggagctcag tcttgccaat tctacttccg 180
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cgcgagaag gccttgcgga gcgcgtcttg gatgaggtag cttaaaggctg gaaaaaggcc 360
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aagtacttcg aattaacaaa gtcaaaggct acattgttcc cgcaggcttc acacaaaact 720
agcatgttta gagaccgtta taacatcatt caccagcgtc tactccgga tgaacattt 780
caatcatcgt tgagttatct cacaggccac tccatgaaga ggtcgtcatc ctcatctcgt 840
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gtatcaattt ga 1152

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<210> 9754

<211> 2100

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2067)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9754

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cagtcctcgtc caccgttact tgaccaggat cgagagcgtc agcgggaagt agcaaggga 180
cgagggtgcgc ttcggttggt gaatgaatcc aaatatgggg acttcgaccc gccgggtgat 240
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gaagctcagg gcagagctcg tcaccagcta cgatccgcca tttcaaacgc tgggctggaa 360
cctcccagggt ctctagaaga ccccgacgct ttaccttccc tgaatcttac tcagttgtta 420
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aataaagagt atccgaaact caacactacg gctatcgctt tggagcatgg gtatttcacc 540
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aaatacagtg cgcgtctcgt atttatcata tgccggagtgt ttgccgcaca aatcacacta 1260

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acaacagctt	ttgcgctagc	aggctgggtg	tggatttcagg	tctgggtcct	ggcgactcaa	2040
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<210> 9755

<211> 1017

<212> DNA

<213> A.fumigatus

<400> 9755						
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<210> 9756

<211> 1056

<212> DNA

<213> A.fumigatus

<400> 9756						
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cgcactttgg	tgtttattct	gtccagccga	t	tcgggtggct	tggggatcaa	cctgacgggc 360
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aacatgaagg	atgaaccgct	tgttctcccc	cccgataaga	caaagaagaa	gtccaagaag	1020
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<210> 9757

<211> 3078

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (9), (17), (18), (19), (20), (22), (25), (26), (27), (28), (35), (2359), (2369)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9757

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<210> 9758

<211> 273

<212> DNA

<213> A.fumigatus

<400> 9758

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aaggacggcc	ctcgtctcgc	tgctgagcgc	cgtggacagt	ccgaactgcg	ttttgccaag	180
tgggaggttc	gtatatacac	catttttgtg	ctggattgtg	gtggtgatgg	gtacaatgac	240
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<210> 9759

<211> 267

<212> DNA

<213> A.fumigatus

<400> 9759

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acagtgtcag	gaggccgccg	aagaggtaga	cgcaagggtca	tgaaaaagaa	gactgtcaag	180
gacgaggaag	gctaccttgg	tgagaacctc	cgtgcgctgt	cttatgacgc	cctgaacccc	240
gctaacctgc	cgttttctcg	ccagtga				267

<210> 9760

<211> 207

<212> DNA

<213> A.fumigatus

<400> 9760

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ctcaggaaga	tgatggaaga	tgaggacgac	gacgggtacgc	taattggctc	taattttcat	180
acgacactac	gatctgatgg	gtactaa				207

<210> 9761

<211> 387

<212> DNA

<213> A.fumigatus

<400> 9761

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caggaagctg	cggctccctc	gaaacggcca	tcacaggacg	aagcgacaca	aaaagtaaag	120
tcggagagca	agaaggccga	gcatgcagca	atgacatcac	aaacaaaggc	tgaagagaaa	180
ccacctgtca	aacctagtga	aaagactgcg	ccgttgaaga	gggagaagag	tgacctattc	240
agctcttttg	cgaaggcaaa	atcaaaacag	aagaaagatg	gatcagcgac	ccctgctgtt	300
tctgggtgccg	aatcggtcag	tgcattcccag	cccaacatcg	ttgctgcaag	atctcagctg	360
ctgatgaaat	taccaggccg	agcctag				387

<210> 9762

<211> 1692

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (119), (153)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9762

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gaagaatggg	aaaccctgca	gaatctggta	ccnttcacgc	tgcatcgcag	gtatggcagt	180
ctcattacgt	ctaacggcat	gcctctacga	atgcagggtc	ttttgactac	cacagacgat	240
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atcatggctc	agaattggct	acacagctcg	ttgatataca	atctctgcga	cattggggat	480
ttcgacgaag	tcctccggca	gatgcgcaag	cggacaagtc	agggcatga	catgacgacg	540
gaattgtggc	tgtatgtgtt	ggatgtggca	gtcgcggcat	ctcatctcga	aactactcgt	600
tacgtatgga	cgcaaagtgt	acaactgggg	tacctccagc	cttcgagggt	cctgtgtagt	660
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<210> 9763

<211> 471

<212> DNA

<213> A.fumigatus

<400> 9763

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cttgtggagg	cgggtgcgga	tatcgggtgt	aagaatgatg	cggggctgga	tgcgattttc	240
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gaaggtgctg	ggaagatgtc	caagggtcgg	cagggtgtgg	agtgggtgtt	gagctcggat	360
aaggctggtg	acttgagga	agggtcaggt	gttagcgctg	gtgttggtgc	tgaagggtca	420
gcgtcagggt	cggggtctgg	ggagacgatg	gatgtggatg	agaagaattg	a	471

<210> 9764

<211> 327

<212> DNA

<213> A.fumigatus

<400> 9764

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tacgacgctc	gcgcaggcga	cctggaagcc	ctcaaggccg	atctcgccac	ccaaagcaaa	180
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<210> 9765

<211> 1560

<212> DNA

<213> A.fumigatus

<400> 9765

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<210> 9766

<211> 1452
 <212> DNA
 <213> A.fumigatus

<400> 9766
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 ccagcttcac atgagcctgg tcaacccgaa agcaatgatg atgaaactgt acgcaagcct 240
 aatgcctcca caccatgtcc cagatgtaca tttgtgaacc atccttatct tctcgagtgt 300
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 cgtcgatcag aatccccagc gccgggtattc ggacaaggaa acatcgccaa tactgagact 420
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 ctggccatat ga 1452

<210> 9767
 <211> 687
 <212> DNA
 <213> A.fumigatus

<400> 9767
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 acaattgccg cctttgcggg ttcgatattg atcaaataca cccggcgcta tcgagcattc 180
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 ggatcacctg tcagggtcgc tattaatcaa gcataccagg agacattcaa aaagctcctg 600
 attctggctc tcattgccat aataccatta gtacccttga gcttggcgat ggaagattac 660
 aagcttgata aagtatatga ctcatga 687

<210> 9768
 <211> 480
 <212> DNA
 <213> A.fumigatus

<400> 9768

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<210> 9769

<211> 963

<212> DNA

<213> A.fumigatus

<400> 9769

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<210> 9770

<211> 912

<212> DNA

<213> A.fumigatus

<400> 9770

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gcacgcttct	aa					912

<210> 9771
 <211> 582
 <212> DNA
 <213> A.fumigatus

<400> 9771
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 aagtttatca agcctcgtgg gaaggtcgac taccatgaac tcggattcga ggctgggtgtc 180
 aaggctatgc tggacgctca catcaattac gatgatgtcg accaagggtat tgcattgtac 240
 gtgtacggcg atagtacctg cggtcagcgt gtcttctacc aattcgggtct gaccaacatc 300
 cccatctaca atgtcaataa caactgctcg accggctcaa cgggtctggc catggctcgc 360
 accatgggtct cccacggcgc tgcggactgt gttcttgtta ttggtttcga gaagatgagc 420
 cctggaagct tgcagtcggt ctacaacgac cgggctaata cgactgggtct ctttgggtatg 480
 atgatggccg agacgagggg catcactaac gccccgggtg ctgcacagat gtttggcaat 540
 gctggccggg agtacatgga gaagtacgtt gaaccatgct aa 582

<210> 9772
 <211> 1266
 <212> DNA
 <213> A.fumigatus

<400> 9772
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 gaagtataca aaactcgtct ttctcctcat gtgctccct cctcaccaat ctctactcct 120
 ttatccatcc tagatgccac cgttgcccga tttgctccag ctggcgcaat atggctatgg 180
 gatcgggtct cggggaatct ccctgaaacg gattttatcg actgtcttca atctttatatt 240
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 gaaggcggca atcacaccga acgcttcaac cggcccatga tcgtctacgg ggcacctgat 360
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<210> 9773
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 9773
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 aacagctttg tatactccca gttctatgtt gactcgctc aaacttcac ggactggttt 120
 gaccaacttc ggggtgactt gctacatgaa ctcgaccatc caatgtctca gcgcgaccgt 180
 atgcttag 189

<210> 9774
 <211> 2430
 <212> DNA
 <213> A.fumigatus

<400> 9774
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 cctgacacac gaccgaagcc gaacaggat tgggcccctg ccgaggacct acttgcccaa 180
 cgcttcgcta aactaagggc atcaccatat cctgtcaatg gtcaaaatca tccgaataaa 240
 ggacaaaatg gtgcaactac aacgccttcg ccgcctaaat actctaata ctatcctcct 300
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 cttgatgaca atccctatcg atctacgacg ccaaatggcg ttcaccatgt caaagaagcc 660
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 tatcaatgcc tgcgtagtta ctgccaggag gaactgctga gtggggatga agtgtggaag 2340
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<210> 9775
 <211> 1257
 <212> DNA
 <213> A.fumigatus

<400> 9775
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tcgcgagtac agacaaaaga ggaatcaggc gagagaagag agaaaaataa gaggtcaag 240
gaaatgggag gcgtttgcct ctgggtgttac cgtttgaaga aaacttgca accgcaactt 300
ccttgtccgc gttgtcaaga cagcaaactc aattgcatca gaagacctgc agagctgtcc 360
ttgcttccct gtcaggacat gaatcaaggc agtatttcgt ttcaaacgaa atctgaagat 420
attctttcgc ctctacaaaa gatatcccaa tgtgcgtctt cgcaggctgt tgtcagcttc 480
tgccaatgca acggcggaagt gatagattac tgggtcatgc atggcgccaa cctcgggtgt 540
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gttcaatctg cagagatgga taaatttgag acggaattcc ctggcagctc tcttgtgcag 660
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gtctcctgcc gtcgatactt caacgtcgcg atctgtttcg gcccttttga tcagagtcag 1200
ccatccacag ccattcacag acagagtctt cacgccggcg ctggaaggaa acgaatc 1257

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<210> 9776

<211> 465

<212> DNA

<213> A.fumigatus

<400> 9776

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cataccagtc agtatccctg tccactgtcc cctgtcgcag caatccttag cgccgtccct 120
ctaacaatca acagegtctt cgtcttcatt tgccccatgc agcgacacct gtacatgggt 180
ctcttcgctg cgggtccaaat ctggaccatt ctatttcacg acggcgacat gatttcgggg 240
cattggacgg agaaaatcat caacagcccg gcgcaccata cattgcacca tatgtacttc 300
accgtcaact atgggcaata cttcacctgg ccgcagcctt atttcgggtc gcaccgcgcc 360
cccgaaccgg cgctggatcc gctccacgat gccctcaagg tgatgcgggc caagggtctt 420
gtggatgagc acggcaaccc gatcaaaaag ccaaaggggg agtga 465

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<210> 9777

<211> 816

<212> DNA

<213> A.fumigatus

<400> 9777

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ccgatcagc ccgccatgga tgtcgtcttc gaggttctcg atcctctcat tctggacaag 180
gcctatgctt ggttgctgcc ctccgagcct aacgtccccc atccgacctc gcgttgggat 240
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gtgtacaagt acattcacia gcccacac aaatggatcg gttggtcttt acagaactcc 660
catgtaccta ggtgcatgct gacgagatat agttcccaca ccatgggctg cactggcatt 720
ccaccactg gacggatatg tgcagtctct gccataccag tcagtatccc tgtccactgt 780
ccctgtcgc agcaatcctt agcgccgtcc ctctaa 816

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<210> 9778
 <211> 1683
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (563), (1495)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9778
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 gaagagtata tcctagcacc agccactcga gatttagtcc cagaaagggt gtatcaagtc 180
 agcggctcca ttctggaccc ctctgccgta acccatgcag aagggtggga agcgacgttc 240
 catggcgtct catccgtcac ttatgacttt gggcgcaaca tcgccggcat tgtctcgggtg 300
 gccgtcagcc ggggtctctc gccggatgcc ttcatcggcg tcacgttctc cgaatccagc 360
 gcctggatca gccacgaagc gtgtgacgca actgccgata caggctctga ctacccccctg 420
 tggtttcccg tcggacatgg gccgggacga tacaccgcag agaagaaaca caatcgcgga 480
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 accattgatc atagcatggg gaatgcgctg ccgttgctag gcaccgtgac ctcccgcgac 720
 aatatcactc tcccggagac tgtccctctg tggagcaact ataccatcg caacggggagc 780
 agcgtgctca cggacggagc gaagcgggat cgccttgtct ggccagggga tatgtctatt 840
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 tggctccctgt ccagtatcga ccacaccggg ctgcgcaacg tcaccgccag cgccgactgg 1140
 ctgcgtttcg gcatgggagg ccacgtacgt cccgcacccc acgccccac aaggatcttg 1200
 actaaacaca aagcagaaca tcgaagcaaa ctccatctc tacttcgtcc tccgggaatc 1260
 cctcctcctg gcaacaaccc tcaacgacac cgctcctcc tcgtcctggt ccgcgcatcg 1320
 aagcaccctc aaagcctcgg ccaacgcccg actctgggac ccagccgtcg gcctctaccg 1380
 cgacaacgaa accaccaccc tccaccacaa ggacggcaac gcctggggcc tcaaagccaa 1440
 cctcaccttg tccgcaaccc aatccgccgc catctccgcc gccctctcgg cccgntgggg 1500
 gccatacggc gcccccgccc cagaggcagg atccaccgtc tcccccttct ccaccggctt 1560
 cgagctgcag gccacttcc ttgcgggcca gccgcagcgc gctctggatt tgatgcgccg 1620
 gcagtggggg ttcatgctgg acgatccgcg gatgaccag tcgacgttca tcgaggggta 1680
 tag 1683

<210> 9779
 <211> 882
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (294)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9779
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 agcaccctca aagcctccgc caacgccgga ctctgggacc cagccgtcgg cctctaccgc 180

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<210> 9780
<211> 408
<212> DNA
<213> A.fumigatus
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<400> 9780							
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ccctcaaagc	ctccgccaac	gcccgactct	gggaccaccg	cgtcggcctc	taccgcgaca		180
acgaaaccac	caccctccac	ccacaggacg	gcaacgcctg	ggccctcaaa	gccaaacctca		240
ccttgtccgc	aacctcaatc	gccgccatct	cgcgcgcctt	ctcggcccg	tggggggccat		300
acggcgcccc	cgccccagag	gcaggatcca	ccgtctcccc	cttctccacc	ggcttcgagc		360
tgcaggccca	cttctctgcg	ggccagccgc	agcgcgctct	ggatttga			408

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<220>
<221> unsure
<222> (760)
<223> Identity of nucleotide sequences at the above locations are unknown.
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cctgtccaac	acctgtccga	ttgcatggga	tcgaggcaca	tgaagaatac	actaacacct		180
cgtcaacctc	caagtcccac	catgcaacc	cgtcgaaa	ccctcaacaa	gcttaacct		240
cgtcccattc	cccagacca	gcacgccctc	cgcctccagc	ctcacctccc	cactcgto		300
ctccggcgtc	gtaaacadca	gcttcgtata	tccctcctoc	ccccctcgtga	actccgttgc		360
aaacctcccc	aaacgcgtct	cgaacc	ctcaacagcc	tgcaa	atccc	ccggcatggg	420
cgcgaacagc	cacctctccc	caccgc	cgcaatctgc	agtcgggc	cg	catagaacat	480
caacgccg	gtcgggc	tagcccac	gtgcgatgc	gagatccgtg	catcattcct		540
atacggcgca	tagtgcagca	accatccgt	actatacccc	tcgatgaacg	tcgactgggt		600
catccgcgga	tgtccagcta	tgaacccca	ctgcgggc	atcaaatcca	gagcgcgctg		660
cggctggccc	gcaaggaagt	gggcctgcag	ctcgaagccg	gtggagaagg	gggagacggt		720
ggatctgcc	tctggggcgg	gggcgcgta	tggccccc	aan	cgggcccgaga	ggcggcgga	780

gatggcggcg	gattgggttg	cggacaaggt	gaggttggct	ttgagggccc	aggcgttgcc	840
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ggcgggtgctg	ttgaggggtt	ttgccaggag	gagggattcc	cggaggacga	agtagaggat	1020
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<210> 9782

<211> 1776

<212> DNA

<213> A.fumigatus

<400> 9782

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ctggaggacg	acagcagtc	ttccttgtcg	catacgacgg	atgcgcggag	gaacaatttc	180
ctcgactctg	gattcgaatc	aatgcacgtg	ggtagcgtgg	tatccagttc	ctcggacact	240
cccaggggccc	cggatttcga	aacatctctc	aggaatctat	cacagacaca	gaacctagct	300
catgccatcg	acgaggcgga	gcacgtctcc	agatccctgc	agtggttcac	ttcagaccaa	360
tccattgccc	tatgggaggg	tggttcttac	ctcatccaca	atccggactc	gccggacgcc	420
cgacgaagtg	ggccaatggt	gatagaagct	gttgcagccc	gtcaggatct	atcgcttca	480
ggtcggcgca	tcgtttttga	agcgatttca	tgtctgtcag	agccggatgt	aataccggca	540
cgtgtgcaat	cgttgatata	gctttcggat	caocggcagaa	agttggactt	cacctcatcg	600
tctatccttc	ccatcctttc	gtcatgcgct	gtccactgt	atgagctcat	ctcgtcgtcc	660
cgactgaaag	ctcgcaaggc	caaggttggc	aaagtgaacg	gacttggcta	tgatgaaaca	720
gcattggatg	atttggttga	gttcgctgtt	gatttgatca	cgctccaacg	gaaacgtcca	780
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aagtccctat	ctgggcctac	atcgagagcc	gtcagaaacc	ttgcaaagtc	aagatggcaa	1020
acagaaatga	tcaacaccct	tgattcattt	ctgatggatt	catctgggga	agagagtcgc	1080
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caggatggca	taccgcagct	tcgcttcgag	catctaattg	attgtctcga	ggtgggtgatt	1200
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gctgttcaaa	tcgcgccac	agtcgaatcc	ctctgggacc	gtttgagcag	agagcaaaaa	1500
ttggaagcta	cacgattcct	gatgaacctg	tgtgagcaca	ttgagccgtc	gcaggctgag	1560
ctcgtcatca	acacgatgag	atccgaaaat	ctttgcctcc	cttctaggtc	agactgggtc	1620
aactattgcc	agagattgat	tcgctgcttc	atccgatctc	gcaacaagcc	atctgatatc	1680
cgaatttcag	ccttggatct	cctgaaagag	gcgttttcaa	cctacgatgc	attagtattt	1740
ttcaagggga	gaaggggttg	tccaccttat	gcttga			1776

<210> 9783

<211> 282

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (116)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9783

agtgagagca	ggtgtatgat	tgaaagttca	gagtggtatg	aggagctgat	ggaggaagtg	60
gacagacagt	ccattatgca	aggtccgata	ttaggtgtct	tcgtctgggg	tatcanaaac	120

atgccgaaat	accgggccaac	cacgggaccca	agtcaagcac	tctttgttct	gaccactgtg	180
cagaaaatcc	cagtgggaact	ttacttcatg	gaaggcttgg	aaattggaac	aatcgtctat	240
ctcgcccttt	ggaggcagtc	gactaacagg	gtattcaaat	ag		282

<210> 9784

<211> 1854

<212> DNA

<213> A.fumigatus

<400> 9784

gtcaatacgg	catcgggtgc	gaaagtatcc	ctgaaaatgg	aatacttcga	tttcgacgga	60
gcctctttcg	gctcccatgc	cccagacgac	gaggtggctt	cggacagggt	tgagctcgat	120
gagaacgacg	caattgaaaa	ctacgaatcc	cttctacgtg	agcagccatt	ggactttccc	180
aatgatctgc	cggagcagga	tgctctcaac	ccgcagacgg	aagccccgtc	agtcaatgcg	240
caatccaata	atgctcttcc	aatccatcga	gccaaggagc	cctgcgactt	ttgcaggcat	300
atgaacctgg	actgcttcat	ttcagacaga	ggagccttgc	agaatggctg	cacgtgctgc	360
gtaattttgt	tccgagagtg	cagcttcacg	cacgccaaga	agcctggcaa	gtacatggaa	420
actctccaat	cgatctcaga	gaacgcagat	atcccaacag	ttggtccaaa	gggaagggaag	480
acgctaaaaat	cacttacggg	gatgaccatc	tcggaagata	tggaaggccg	ggggagggaag	540
agcagttctc	gtctttcccg	cgacgcccgt	cggatcctca	aaacatggct	tctggagcac	600
ctggaccatc	cgtatccgtc	cgagcaagaa	aaagacgaat	tgaaaaagcg	cacgggtctg	660
aagagatccc	aaattagcaa	ctggctggcc	aacgcgaggg	ggcgtggaaa	ggcccagacc	720
ttgccgccc	gcaattcgtc	ggttccaggt	gccataaaca	ttcccgggca	gcaacagcag	780
cagcaaccga	acattgcgct	catgacgccc	cttgagcgat	ggaagtactc	tccacctgaa	840
aacgaacctg	cttccaccac	cgatattctt	cgagccctgg	tgaacaaccc	tttggattca	900
acacgacagc	caggtcacgt	gcgttccctt	tctaggaagg	gatccagcaa	tgactcaagc	960
catgccaaact	ccaatatatt	caaggcccca	tccatcagca	gcttgggtga	aagtccgtca	1020
gtcagtcggt	catccgtctc	tgacctgtcc	tttgccctctg	ccttctccca	tccgtccctcc	1080
ttggagtcct	ttgggtcaat	ggaaagggaag	gaacgtcgct	gtcgtcgcaa	gccctcgaca	1140
gccttgaaca	ctttcaatca	acagaaggct	cgcaactctc	gcatattcca	atgcacattc	1200
tgtactgaaa	cgtttgctac	caagtatgac	tggcagcggc	acgagaagtc	gttgcacctt	1260
gccctcgaca	agtggacctg	ctcacctcag	ggaggtgtgg	tgtacgtcaa	cggagccaat	1320
cgctgtgtct	tttgcatggc	gagtgaacca	gacacagacc	atctggaatc	ccactgttat	1380
agtacctgtc	aagagaagac	tctggcggag	cgaacatttt	accgcaagga	ccatctcaac	1440
cagcatcttc	gactgatgca	caatgtcaag	ttcaattcat	atatgaacca	atggcaaagc	1500
acaaccacag	aattgaaatc	gcgttgccgga	ttctgtggca	caaccctcac	gacctggaaa	1560
gatcgtgtgg	aacacctggc	tgacacttcc	aaaaacggcg	ctgatatgac	ccaatggcaa	1620
ggggattggg	gcttcgaacc	attcgttcaa	ggcttagtgg	aaaatgctat	gcctccttac	1680
cttattgggtc	aagatcgga	aacattgaac	ccttacacaa	cctccaaatt	tctcggacag	1740
tcggtgtgtt	caccaactac	tgcgtctcct	gggctcattg	aacctaacga	tgtgaattgt	1800
ttccatcgtc	tccagcgcga	gctcactgca	tatatccaca	agcaagttgc	ataa	1854

<210> 9785

<211> 894

<212> DNA

<213> A.fumigatus

<400> 9785

cgagcgctta	tcttccagcc	ccggcgggta	agacgtgatg	tatatcctag	ggatgggtcag	60
gattcgacgg	aggcccatat	tgattcccaa	aatccccaag	ggcccaacgg	cacggagagt	120
tctcaaaaat	cgaccggccg	caaatcgaag	aaaaagaaag	ggaaaaaagg	acgtaatggt	180
tctcacgcgc	aaggagacga	aacctcgacc	cccatgtcca	ccccttcctg	ttcgatgtcg	240
caccctttgc	cgccacctct	ctcctcacat	ctcgctctc	acaatatatt	gaagcctgcc	300
aaaaaccgca	gtattttgaa	tacatctact	caggaagaac	gtgagaacat	taagacgttc	360
tggctcgagc	taggagaaga	ggagcgacgg	cagctcgtca	aggtggaaaa	ggatgctggt	420
ctgaaaaaga	tgaaggagca	acaacgccat	tcggtgagtt	gtacgggtatg	tggccgaaag	480

cgaacggcta	tcgaggagga	gctcagaggtt	ctctacgatg	cctactatga	agaacttgaa	540
cagtacgcca	atcacaaatca	aggatcggtt	gaaaaaggct	cccctatggt	accgcctcca	600
cggttgtacc	aacctccact	acgatctccc	ggtcaacata	ccgaaccca	aggccaattc	660
catccttcac	gaggtcgtat	tcatgaactg	acagaagatg	atgacttgga	ggaggactac	720
gatgaggagg	aagatgacgg	ggatgagccg	tacagtgacg	aagaacttga	cgaagaagac	780
gaggaaactc	gagcagctcg	cgagatttcc	tttgcccttcg	gaaatagctt	aactgttaaa	840
ggtaaggctg	atgtgccgcc	agctttcgat	cattccaaca	gaatcctgta	ctga	894

<210> 9786

<211> 1512

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (800), (808), (820), (823), (848), (856)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9786

tcgaagaact	catggaggag	gagactcgga	acgaacagcg	aaatgctaag	aaagctcggg	60
aagcgcaaaa	acggaaagac	aaaaaaagac	ttcagaaaca	ggccaaggaa	gaggaacgcg	120
cgcgtcggga	agcggagaag	gctgcagagg	aagcagctgc	caaggcggaa	caggagaaga	180
aacttgagga	acagcgaaag	aaacgggagg	agcagcggaa	gaagaaagaa	gcagaacgga	240
aggcccaaga	agaggagcgt	gcgcgcaaag	aggcggaaaa	gcttagacgt	cagcgtgagg	300
aacgagagcg	acaggccgaa	gcgagcgaa	agcagcgcga	ggagaagaaa	cgacgcgaag	360
aggctcggcg	gaaagaaaaa	gaagaacgcg	aattgcggga	aaagaaggca	aaggaagagc	420
gcgaccgcaa	ggctcaggag	caacaagcca	agaaggatac	agcaaaaggc	ggagaggaag	480
ccaaagatca	ggagaagcgt	gatgatcaag	ccaaacggtc	gtcgcaacag	gtacctgtcc	540
ctattccgac	gaatttacat	catcttcagg	gcctttcccc	gactgtcgct	cattcgccgc	600
acgtcccatc	cgcaacacct	gtgttaccta	aagctcctac	tcttgccaaa	ccccgtcagc	660
catcccaaca	agattctcat	tctctctcgc	cacactccca	agcccctagc	accgaccggt	720
tttcagggtc	accttttttc	ttcgttcgat	gcccgggtct	cagtcacggt	gagttgccag	780
tgggaattcg	caacaagggn	cagggaaant	catgcaatgn	tnatcaacc	tcagcttttt	840
acgccctngt	ccccntagg	cagatccatt	cctcctggat	tctcgagcgt	caacggaata	900
ccacctaata	ccccgggctt	gtctggaatg	gtcgcgcgac	caccagttgg	acatgacctg	960
cctagttatc	cgtcgcattc	aggacctttc	atcagtcctt	tccgtggcta	tccagcacca	1020
accggaatcc	ccgccccccc	aggtatcaat	ggggcacgtc	caatgccgcc	tgggcgcgga	1080
tttccgcttg	agcccgacac	agggtttgcg	ttccatggcc	agcagattcc	tggagctttc	1140
tcgacgcgcg	aagggtggatt	gccccaccgc	cattccaggc	aaccctccgg	ctcacttgag	1200
aggtcacctc	tagagaatca	cgcacagcct	atgccaatct	ctcgacctag	ccctatcaaa	1260
cgacctacca	gcaccaaca	ggaccagcag	aagggtgatg	atcgaccac	acaacgggat	1320
gtggatgatt	tgagcgccca	tcttggttagc	agtgtctctc	ttgatgacag	tgatgtttct	1380
ctctctcga	atctgtcgca	atcgctacca	ggtgtctacg	taccgggcac	tttttcagga	1440
ccggcgcggg	ccagtttcgg	tggaccatct	ctgtttccgg	atccccctag	tggtaagttt	1500
ctccggctat	aa					1512

<210> 9787

<211> 384

<212> DNA

<213> A.fumigatus

<400> 9787

tgtgccgcca	gctttcgatc	attccaacag	aatcctgtac	tgattttctc	ctttttcccc	60
tcgctctccg	agatagatgg	tattcttaca	gttcgagacg	atctactgaa	gaatgatggg	120
aaacacttca	tcgacatgat	ggagcagttg	gctgagcgtc	gaatgcaacg	tgaagaagat	180
acgcagtacg	gcatagctgc	tgcgcacgaa	tcccttcata	gcggtcacaa	tcatggtcca	240

ttcgatgacg	aagattacga	cgacgaggag	gacgaggact	atgacagtca	agaggaagag	300
gattacgagg	aagatgaaat	ggtctgccct	ggagttgttc	cccccttcg	tggtattcga	360
ccgttatgct	ttgttcaccg	ctaa				384

<210> 9788

<211> 1053

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (945), (953), (965), (968), (993), (1001)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9788

cctctaccgc	aggatgccat	gacagaagaa	caacgcatgg	aagaaggccg	acggatgttt	60
caaataattt	cgccccgaat	gttcgagcaa	cgcgtcctga	ctgcataacc	agaaaagggtc	120
gccgagcaac	ggcaacagaa	gttgatcgaa	gaactcatgg	aggaggagac	tcggaacgaa	180
cagcgaaatg	ctaagaaagc	tcgggaagcg	caaaaacgga	aagacaaaaa	aagacttcag	240
aaacaggcca	aggaagagga	acgcgcgcgt	cgggaagcgg	agaaggctgc	agaggaagca	300
gctgccaaag	cggaacagga	gaagaaaact	gaggaacagc	gaaagaaacg	ggaggagcag	360
cggaagaaga	aagaagcaga	acggaaggcc	caagaagagg	agcgtgcgcg	caaagaggcg	420
gaaaagctta	gacgtcagcg	tgaggaacga	gagcgacagg	ccgaagcggg	gcgaaagcag	480
cgcgaggaga	agaaacgacg	cgaagaggct	cggcgggaaag	aaaaagaaga	acgcgaattg	540
cgggaaaaga	aggcaaagga	agagcgcgac	cgcaaggctc	aggagcaaca	agccaagaag	600
gatacagcaa	aaggcggaga	ggaagccaaa	gatcaggaga	agcgtgatga	tcaagccaaa	660
cggtcgtcgc	aacaggtacc	tgtccctatt	ccgacgaatt	tacatcatct	tcagggcctt	720
tccccgactg	tcgtctattc	gccgcacgtc	ccatccgcaa	cacctgtgtt	acctaaagct	780
cctactcctg	ccaaaccccg	tcagccatcc	caacaagatt	ctcattcctc	ctcgccacac	840
tcccaagccc	ctagcaccga	ccggttttca	gggtacctt	ttttcttcgt	tcgatgcccc	900
ggtctcagtc	atcgggagtt	gccagtggga	attcgcaaca	agggncaggg	aanttcagtc	960
aatgnttnat	caacctcagc	tttttacgcc	ctngtcccc	ntaggcagat	ccattcctcc	1020
tggattctcg	agcgtcaacg	gaataccacc	taa			1053

<210> 9789

<211> 195

<212> DNA

<213> A.fumigatus

<400> 9789

cgattgcgac	agattcgagg	agagagaaac	atcactgtca	tcaaggagag	cactgctacc	60
aagatgggcg	ctcaaatcat	ccacatcccc	ttgtgtgggtg	cgatcatcac	ccttctgctg	120
gtcctgttgg	gtgctggatg	gtcgtttgat	agggctaggt	cgagaaattg	gcataggctg	180
tgcgtagattc	tctag					195

<210> 9790

<211> 696

<212> DNA

<213> A.fumigatus

<400> 9790

attcgtcgga	atagggacag	gtacctgttg	cgacgaccgt	ttggcttgat	catcacgctt	60
ctcctgatct	ttggcttcc	ctccgccttt	tgctgtatcc	ttcttggctt	gttgctcctg	120
agccttgccg	tcgcgctctt	cctttgcctt	cttttccgcg	aattcgcggt	cttctttttc	180
tttccgccga	gcctcttcgc	gtcgtttctt	ctcctcgccg	tgcttttcgt	ccgcttcggc	240
ctgtcgctct	cgttcctcac	gctgacgtct	aagcttttcc	gcctctttgc	gcgcacgctc	300

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ctcttcttgg gccttcggtt ctgcttcttt cttcttccgc tgctcctccc gtttctttcg 360
ctgttcctca agtttcttct cctgttccgc cttggcagct gcttcctctg cagccttctc 420
cgcttcccga cgcgcgcgtt cctcttctt ggctgtttc tgaagtcttt ttttgtcttt 480
ccgtttttgc gcttcccag ctttcttagc atttcgctgt tcgttccgag tctcctcctc 540
catgagttct tcgatcaact tctgttgccg ttgctcggcg accttttctc ggtatgcagt 600
caggacgcgt tgctcgaaca ttccgggccgc aaatatattga aacatccgtc ggccttcttc 660
catgcgttgt tcttctgtca tggcatcctg cggtag 696

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<210> 9791
 <211> 408
 <212> DNA
 <213> *A.fumigatus*

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<400> 9791
caatccgcgt attacggcgc taccccaaca acaacaatta taattactgc tgggtgttcag 60
aagtaccgcg cgtcttcaca gatagcattc tgcattcatga gaccgtctca tttggggctc 120
ctggcccgtc gatcgtggat ctgcacgcga tgcagagtag ccaactactc ttccgtcgcg 180
ccagcccgcg ctggcaagtc caagaagaac ctcccgcgatg caccggccag aaccgggttc 240
gcaccgtcgc cgacgggata ctttcatctt ggatccttgc ggaccgcatt gttcaactac 300
ctcttggcaa aacggacggg gggccagttc cttctgcgaa tcgaggatac agatcagggtt 360
cggccttgga gcaagcacgg aacattggaa tgttgtgatac agggctga 408

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<210> 9792
 <211> 570
 <212> DNA
 <213> *A.fumigatus*

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<400> 9792
gacgctctgt tgcagtcoga acggacggcc atttaccgcg aacatgccaa ccaattggtc 60
caaaacggtc acgcataccg gtgtttttgc tctccagaac ggctcgactc gctcgcaaga 120
catcgagtc aggcgggtct cctccttggg tacgacagac agtgtgcaga catctccgcc 180
gaagaatccg aggatcgagc cgcaaagggc gaagcgcgatg ttgtgcgctt gaaagtagag 240
ggctacccca tgttcgatga cctgggtctat ggcaagaccg ggcagaaccg ctcgagcagt 300
aagctggacc tcattgagcg agtctacgat gaccccatcc tgctcaaadc tgacggacac 360
ccgacgtacc atctggcaaa tgtgggtggac gatcattgca tgaagatcac ccatgtaatc 420
aggggaaccg tcagtatact accccggaaa aaacagactg caaatattga ctcgtagagg 480
aatggatgcc ctcgacacca atgcatgtgg ccctgtataa cgccttcaac tggacacctc 540
cgcgcttcg tcatgttccc ctctcgtag 570

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<210> 9793
 <211> 363
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (71), (171), (253), (301)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 9793
acccccggga ccacgcctct gctcacagcc acccagttca acctcaaaat caccgcggcg 60
aacaccgtcg ntgccttcga aaagctgttg tttctccaaa agccccacgc gcagcgattc 120
gccgccaccg gcggggcccg cttcgacgaa atgggtcacg aagtgtctca ngccggtgaa 180
gagacctacc cagcggatca actgtacgta cataatccca gcacaccctt caggaacaac 240
caactcactt ttncacaatg gaaccatccc tcgattcccc gcccttgaa cggattacat 300
nccccccct ccttcaaagg cgacgcaaaa atcttcacca acgcccccg aattcttcca 360

```

ggg

363

<210> 9794

<211> 276

<212> DNA

<213> A.fumigatus

<400> 9794

ctcgtacagg	aatggatgcc	ctcgacacca	atgcatgtgg	ccctgtataa	cgccttcaac	60
tggacacctc	cgcgcttcgg	tcatgttccc	ctcctcgtag	acaagtccgg	ccagaagctc	120
agcaaacgaa	acgcagacat	cgatctcagc	ttcttcaagg	ataagcaagg	cgtgttcgca	180
gccacgctga	ttaatttcgc	cgtcttctcg	ggctgggtcg	acaccagaa	gtccgatgtc	240
ttcagccttg	acgaactgga	actactcgta	ggttga			276

<210> 9795

<211> 276

<212> DNA

<213> A.fumigatus

<400> 9795

tggacaaggt	ttgaggcaca	agtggctcct	tttcatgaac	accctagact	gatttggact	60
acaggattca	agcaaattctt	gacgcgaatg	ggacagttcc	tgacgccatc	caccgtgacc	120
tgttcgacct	gcaatggcca	gggagagttt	ttcagttcca	aggacaaatg	taagaagtgc	180
aaaggcaaca	aaaccgtgga	ggagaagaaa	atgctggaga	tctacattcc	acgggggagca	240
gtcttcacca	cggggctgga	aggagccgtg	caaagg			276

<210> 9796

<211> 489

<212> DNA

<213> A.fumigatus

<400> 9796

caggctgccc	tcgcaagtca	ccccgataag	gtccccgagg	ccgaacgaga	agccgcggag	60
gtacgattca	aagccgtcca	agaagcctac	gatatacctt	acgatgaaga	taaaagacac	120
ctttacgata	cccatggcat	gtctgctttc	aatggctctg	gagagcccg	catggcagga	180
ggaccggatc	tggacgatat	tctagcgcag	atgttcggga	tgggtgggtg	gatgcccggc	240
atgggaggca	tgcttgccgg	acggcctccc	aagcctcgac	ggagcccggg	cgagaataca	300
aagtacgagg	tgccgttaga	ggacctatac	aagggcaaga	cgggtcaagt	tgctagcacg	360
aagaatgtca	tttgagctct	gtgtcagggt	aaagggtggc	aggaaagagc	gacggctaag	420
aagtgtctga	cgtgtgatgg	acaagggttg	aggcacaagt	ggctcctttt	catgaacacc	480
ctagactga						489

<210> 9797

<211> 306

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (55), (58), (83)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9797

gaggagcatc	aattatgcac	tcttgagaga	cttacggatg	tgattcgttt	cgctntantg	60
atacctgcca	gttttttcgct	tcngtcccgg	ggactttcca	attgagagct	gggtctgacc	120
ggctgctatc	ctcttatata	cttgcttcaa	atccctatta	ccattgtgtc	tatctcccca	180

3001

atactcgatt ccagttggta caagttcaaa gaccctagag acggttcagg tttgcagcct 240
 gaaatatacc tttacgacgt caatccaccc acaatcgcta ctagaattat tagaagctgt 300
 aagtga 306

<210> 9798
 <211> 816
 <212> DNA
 <213> A.fumigatus

<400> 9798
 aacagaggtg ctaacaatag atcccaggac tactccctcc gtgccaaaga ctacaatgcc 60
 aaaaaggcca aactcaagcg cctccaggaa ctgcgcgcca accgcaaccc agatgaattc 120
 gctttcggga tgatgtccgc gactcgcag aagaaaggca aacatggctc tgcggcgcgc 180
 gactcggccg caaagcgggg actgagccat gaagcgatca agttgctcaa gacgcaggat 240
 gcggcgtagc tgccggacgac gggggagcgg ctacggcggg agatcgagaa ggtggagcag 300
 gaggtgaggt tacaggaggg gattcaggag gctcttgggg agaagaagaa ggatgagagc 360
 gaatccgaca tagaggagga tgatgacgac tttgatttcg atttcggggc aaaggagaag 420
 cgccgggcaga agaaggcgag gaagttgatc tttgcggatg atcggcggga gcagcgcgcg 480
 ttgaagaaac ggaaacttca cgaagatcaa gatgaggagg aggacgagga cgaagaacag 540
 tcgtttgggtg aattgcagaa gaagcagcta cagaaaaagt cgcagaagca acttgaggcg 600
 gagaggctgg ctctcgtcga ggctcgtcga gtccgcaaga tgaagaagag agctgctgag 660
 gcccgggaga acaagctcaa agcgtctcgg aagcagtagc ccgatatcac tgccgccgag 720
 cgcgagctgg actggcagcg agggcggtatg gataattcgg ttgggggggac gaacaaggat 780
 ggcatcaagt ggaagatccg cgagcgcaag aagtga 816

<210> 9799
 <211> 579
 <212> DNA
 <213> A.fumigatus

<400> 9799
 agatcctcgg acaatgtcca tccggggcag ggcccgggcc tgggcatcga cctcgtcctc 60
 gatggcctgc agttggctct cgttcaagtc gatggcgatc aggatcacct gcgagtcaac 120
 gccgtgctca gcctggctca gcagatccga agccacgaag gccgggttgg cgtccttgctc 180
 ggcgatgacc aacacctcac taggtccggc gggcatatcg atgctgacac cggccgaggt 240
 gtcgttggaa accagcatct tggctcggct cagcaactgg ttaccggggc ccaagatctt 300
 gtccaccttg ctgatactct ccgttcgcta agccatggcg gccacggcct gcgcaccacc 360
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<210> 9800
 <211> 417
 <212> DNA
 <213> A.fumigatus

<400> 9800
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 cgggcctggg catcgacctc gtccctcgat gcctgcagtt ggctctcgtt caagtcgatg 180
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 atatcgatgc tgacaccggc cgaggtgtcg ttggaaacca gcattctggc tgccgtcacg 360
 aactggttac cggggcccaa gatcttgtcc accttgetga tactctccgt tccgtaa 417

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 09/417507
 10/14/99

<210> 9801
 <211> 339
 <212> DNA
 <213> A.fumigatus

<400> 9801
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 ggctcgttcc tcaagcacat caccagctcg aacttgacgg cagagggatt gctgggattg 240
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 agcatccgag tcgcggcgat gaagaagaac caggcgtga 339

<210> 9802
 <211> 450
 <212> DNA
 <213> A.fumigatus

<400> 9802
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<210> 9803
 <211> 963
 <212> DNA
 <213> A.fumigatus

<400> 9803
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 aagattgtct tggcttctcc tctcggggcc gatggcagca tctccccga gattgtctac 180
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<210> 9804
 <211> 945
 <212> DNA
 <213> A.fumigatus

<400> 9804

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tatgagcctg	gagtagaggg	ggggacacgg	ttcatgcatg	cgagaatgac	tttgggggtcc	720
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gacaagattc	gggagactga	accgtcgttc	cagcgagatg	actggaagga	tgtagaggtg	900
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<210> 9805

<211> 333

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (301)

<223> Identity of nucleotide sequences at the above locations are unknown.

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gggaccctct	acgctgagga	atacaacttc	aacgacaagt	tcgtcgccct	ggtgtcgaag	180
atcgcatctg	actttcagca	aaaccatgat	cctacctctg	agcgctgttg	gatcgagag	240
cgcactggca	agaccaccaa	tgagccagt	gtttgtataa	tcgactcaa	ggacgttgat	300
nttatagcga	ccgctagcag	atttagctgt	gtt			333

<210> 9806

<211> 183

<212> DNA

<213> A.fumigatus

<400> 9806

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ctattaatct	ttactaatc	taatctagaa	gcctgtctta	ttaaagttgt	agaggtctta	180
tag						183

<210> 9807

<211> 234

<212> DNA

<213> A.fumigatus

<400> 9807

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acattttat	tctccgcctt	agccacgact	tattcccaac	tgaaatatgg	taccctacca	180
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<210> 9808

<211> 225

<212> DNA

<213> A.fumigatus

<400> 9808

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gtaaatttaa	tattttttta	tagatatact	aatctaataa	ccccccccc	tttaattagc	180
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<210> 9809

<211> 939

<212> DNA

<213> A.fumigatus

<400> 9809

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gacatgacac	taaacatgga	agacgcccac	gctcatctaa	aagagcatgg	ctgggtcaag	180
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ctcgcactca	gccatattgg	atacgtcgtc	aagggcgatc	tgacgtatat	ggctcagaaa	900
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<210> 9810

<211> 408

<212> DNA

<213> A.fumigatus

<400> 9810

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ggacgcatac	tggcgcgaca	tgctgggtcaa	cccgaaccga	ctagacctgg	ccaagtcctt	180
cctgggcgac	cagctgctgg	tcagcaactt	ctcgcccaac	attgctcgtc	ctggcgcgga	240
gagcatggcc	ctgcactcgg	accagagcat	cgttcttcca	gcgccgtggt	tggatgtctg	300
ggcagtcaac	gtgatctggt	gcctgacgag	gatgaccaag	gagaacgggtg	cgaccttgta	360
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<210> 9811

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9811

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<210> 9812

<211> 984

<212> DNA

<213> *A.fumigatus*

<400> 9812

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<210> 9813

<211> 324

<212> DNA

<213> *A.fumigatus*

<400> 9813

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<210> 9814

<211> 1593

<212> DNA

<213> *A.fumigatus*

<400> 9814

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<210> 9815

<211> 573

<212> DNA

<213> A.fumigatus

<400> 9815

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<210> 9816

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9816

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<210> 9817

<211> 1833

<212> DNA

<213> A.fumigatus

<400> 9817

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<210> 9818

<211> 285

<212> DNA

<213> A.fumigatus

<400> 9818

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ttctccaatc ttctgagaa gaagcccgaa ggggaagccc tcaatgacga gcagacattg 120
aaggatctgc atcggttgct actcgagacg catgttattg agggaaagtt ggtgtgcggg 180
aattgcggtc atgaatatct gatcaaagag ggaattgcga atttccttct gccaagtcac 240
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<210> 9819

<211> 303

<212> DNA

<213> A.fumigatus

<400> 9819

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aaggggtgta agacatcatc agcgtcattt cctctccact ttcaagacgc tgagcttgaa 180
ctcgaggagc ttgacttcca accggaattc atacgcaata ttattcctcg cgttgactgg 240
gatggactgc ggggtgactgc gaatgaggta aggtcggact atctcctggt ctggcacgtg 300
tag 303

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<210> 9820
 <211> 504
 <212> DNA
 <213> A.fumigatus

<400> 9820
 aactcgggaag gctttgtttt tgcactagat aaagagtgca acgtccaagt cactgcgag 60
 gtatctcggg ggaccttaat taaggaaccc ttgcaacct gtcgagccgc agaggcagg 120
 aattctgtcg tcaactgtccc attcccgttc gaattttag tagtaggtca gctcttcac 180
 tgcataatag ttagcttatg tccggatgta gagtcagttg gcttgtctgt cagaattacc 240
 tcttccaatg tccctgagag catatataac aattcttttg ctaccatcaa ccttgatgat 300
 ctttgacgtg caattaggag tacagctatg gttgatgaag cgagcgatac ctctctctct 360
 ggtggcatct ataacagtgt tctcgctgat tcggaaaagg tagctgctac ctatcccgt 420
 cttcaagtac tgcctctccc gcatgtctgc cacttgctgt cgcacctttt caccaacgta 480
 ctctatgac atactattcg ctga 504

<210> 9821
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 9821
 atttccaacc ttggatctcg actgcccgtc cagaacatgg cgaaggaagc agagatcctc 60
 ctcatctttg acgagattct gccagccgtc caaatccaag attatggttt catcatcaac 120
 aactgtcggg cgaggttcat cattagacac ccccatctcg atctccgtaa tcgggtcttc 180
 atggctcttt gtagtagtgg attcgtcagg taa 213

<210> 9822
 <211> 1212
 <212> DNA
 <213> A.fumigatus

<400> 9822
 atcgcttctg tggagcctgg agatatgttc tacgaggagt ctcagcactc agaactctgct 60
 gagcttggca ctgtgaagcc agaaaacctc gttggcatcg ggggtaaatt tcttgggcga 120
 gtggaagaca ggtcaatcaa tgaggatggt gagaaagaga atatggaacg gctgcatatc 180
 gactctgcca tacaaggagc aaatctcggc attcagcagc cattacctga cgaatccact 240
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 cctcgctcga cagttgttga tgatgaaacc ataactcttg atttggacgg ctggcagaat 360
 ctcgctcaaag atgaggagga tctctgcttc cttcgccatg ttctggacgg gcagtcgaga 420
 tccaagggtg gaaatctatc ggcattgggt tggagacaga aagagatcaa agctctcaac 480
 cgtgccggtg agagtgggccc ggtccatcaa gaaactagaa taccagatta ctacgtttgc 540
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 caagccaact ga 1212

<210> 9823
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 9823
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 atgtacatat atatccttag cttgtttcgt gttaattaca aaatacaaga tggaaagagg 180
 ctttttagcag agttcagccc cactgtctac accttctgga atattcaaga aatcgccagt 240
 tctaatactt ga 252

<210> 9824
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 9824
 acgcattcgc ggatccttcc atgtctgtgt gtgaagagcc atccacaagc tcgtacggca 60
 atctgttcag cagataatat taaaagtagc ttttcagcaa ctagattaat accactaaat 120
 ctagatcaga tgctcagtcg gcttaatatc cagcttagaa cacctacacc accaggcagc 180
 cgatcaacta attctgtccc aaaaacacct tacaatctca agcagctaaa gaagcaggaa 240
 actacactta agaagctact tagagagcat acatacagcc ctctacccc taaaaaggct 300
 gtgctaggtc agattattaa ggggtgtgag atggcaatga ataacactgc ctttcttgca 360
 aaggaaaatc atgatctaca tgctgcatat gaaaagcacc ttttaa 405

<210> 9825
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 9825
 ctggaacctc caaggtctcg gacaaacggg tcgaagagat cgtctccaaa gttctttcct 60
 tcgctcgctc cctcgctcta taacaccag cctgttcgag tctcgctcgc tttcggggag 120
 aaacacaagg agctctggag cattatcatc aaggtcgcgg aaccagtcct cacatccatg 180
 aaccccgatc tctgggcacg atttggcccg atactcgaag ctcataaggc tgccatgga 240
 tcagtatgtc gatga 255

<210> 9826
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 9826
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 gcgcataagc tgggcgagtg gagtgatgtc tctcaaggca tgcaccagat ccttgtctgg 120
 acagccctgg ggctcgaggg agtcggcgcc aacctgcagc acacgaattc tattccgccc 180
 atcgaggccg ctattaagaa atttgcgggt gtccctgaac attatacatg gaaggccac 240
 ctgaactacg gggacaaaca ggctgatcac ccggagaagc ctgcgaaact gcccatgggc 300
 gagatactga tgattctctg a 321

<210> 9827
 <211> 258
 <212> DNA
 <213> A.fumigatus

<400> 9827

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gggccatcgt	cttttggcct	ccgacgtcga	ttctttgcaa	aaatggcagt	gttagagacg	120
cagcctgctc	cgcaaaaagc	gcccagagagc	gcaactgcgg	agcctcggaa	gaagctattc	180
ggcagagagt	tttatgagag	cttaggaagt	cccaagtata	ttgtggcacc	tatggtcgac	240
agatcggaat	ttgtatag					258

<210> 9828

<211> 786

<212> DNA

<213> A.fumigatus

<400> 9828

gaagtcccaa	gtatattgtg	gcacctatgg	tgcacagatc	ggaatttgta	tagcccatgc	60
cactcctatc	agcgcatccg	gactaaccat	tccatctccc	aggcctggcg	catgctgact	120
cgttcgttca	tgccacccga	tgacccgaaa	ccaatacttg	cctactcccc	catgtatcat	180
gcgcgcttgt	ttcgagagca	agcgaatgtt	cgctggcaac	atttccagcc	tacccgagcc	240
ggtctcgaca	agaatgacaa	ttccctctac	cttgacggca	accgggcttt	tgacagacca	300
cttattgtac	aattctgcgc	caatgatcct	gatgattttc	tagaagctgc	ccgacatgtt	360
gcgccctact	gcgacgctgt	tgatctcaat	cttggatgcc	cccaagggtat	tgcgcggaag	420
ggccattacg	gagcatttct	ccaagaggac	tgggacctga	tctacaaact	gatcaaccga	480
ctgcataagg	agcttcccat	tccagttaca	gccaaattcc	gcatacagga	gtcgaaagag	540
aagacgctgg	agtatgcgaa	aatgatattg	tccgcccggag	ctagcataat	cacacttcat	600
ggacgcacaa	gggagcaaaa	gggtcacac	acaggcttgg	cagactggag	ctatattcga	660
tatctgcgcg	acaatttgcc	gccagagacg	gtcatcttcg	caaatgggaa	caatctgaac	720
catgatgatc	tggaacgttg	tcttgaggca	acaggcgcg	acggtgtaat	gagcgcgga	780
gggttaa						786

<210> 9829

<211> 414

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (397)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9829

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ttggagccat	ctaatacaaca	cattatttct	ttaccactat	tattaaaaat	gccactatcc	120
aaagagaatc	gaatgcagat	ggccatatca	gcataataaa	aggggcaatt	caaatacaaaa	180
gcagccgctg	ctaaggtctt	tgggggtgtc	agagagaccc	ttcgtgatcg	gcttcgcgga	240
atcaaaccac	gcgcagagac	acgcgcta	agccataagt	taacagctct	tgaagaggag	300
gcccttgcta	agcgtctatt	agatgctgat	aggcgtggct	tttcaattcg	accgcagttc	360
ctgcgtggaa	tggcacatat	tctacttat	tgtttgncca	accccggggg	gaaa	414

<210> 9830

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 9830

ccccattag	ggtccgcggc	cgtagaaaga	aagcccttgc	acagaactct	aaccattgcc	60
caagccgtca	aggcaagacc	aagcggggcc	aagggcgggc	gtcctttgat	gtcccgtag	120
gccagactcg	actcgtctca	ggccaggaac	aataagagag	tccgcctgtg	ggccgcaagg	180

ccatcgaagc	gtcgcaaaac	attgtctttg	cttgagactc	ttccggtgga	gttgatcgag	240
aagatcttct	tgtactcggt	gaatgtcaat	ctaccccggtg	catcgccctc	gctggcgggc	300
gcggtgtcga	gtgagcgcat	ctatcgcggtg	ttgatactgc	tcggtttctg	gaatgattcc	360
gcatcagaag	ctgaggatcc	tgactctgct	atctcgagga	tactgagacc	gttggactat	420
gctcctctgc	aggatgatga	ccgcgaaaat	cttcagacgt	ccgtcctgcg	ctgccggtgg	480
tgacagatgc	cccggttgct	catgcagttg	tcggacatga	caaacctaac	tatccagaga	540
cattgggtca	acgctgggtat	tgaaatgact	agagaccaac	aagaatcctt	agaccgggtc	600
ctcgacgag	agaacgacac	ttctacatac	gaaggtaccg	acaaagacgg	caaccactac	660
actctatcca	tactcctctt	cgtatcaata	aacatcgcat	gccaggaaac	cgacgagcaa	720
caaaccacaca	agatcctcag	cattaaacac	tttccggaga	agctcctcct	tggcgccagc	780
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ctcagtcgct	ccgaccacct	agagacagac	gtctctgtct	cccgcgaatc	cctacaccaa	900
ggcgctccaca	ttgccctcgt	ggaacacaa	acgagagcac	tcgccaccct	cctcaaaata	960
gacgagtaca	tcttcgcgag	caacgcagcc	gtcgccggcg	gcttgccata	tagcatccca	1020
cccgaacatt	tccgcacagc	tgctcgagtc	gcacggaacg	accccgctct	gttccaaaca	1080
ttgcttcgag	ccagcgcgga	atctgtcccg	gcggatgac	ccgatattac	tgagtggcg	1140
atgaatctcg	gggacccgtt	tggccattgg	ttgctggatt	taatgttaag	gcttcgcgag	1200
cagatagaga	ctgcgaatgc	gaatccggca	gaggggtgcg	tggtctatct	ggggagagcg	1260
aatgggcata	ttgagctggc	gagacgggtat	ttgcgggatg	tattgaatgt	ggacgagctg	1320
ccgagttgga	tggaggcgct	cgatgacctg	tttaggcaat	ggaggggtat	cacaactacg	1380
acaggaatat	acatgttcgt	atag				1404

<210> 9831

<211> 582

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (29)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9831

atctgccccg	gcaagcgcta	caatcatcnt	agacaccctt	acggccatta	cttcacgccc	60
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gtctttgtcc	tcattgcgcg	ggaatcagtg	tcccacgcta	ttagcatcgc	aaactcaaca	180
atgtacgcc	tgggagcaag	cgtattcggg	tataatcaga	aagatgtcgc	ggcgtgcgta	240
tctcaaatca	aagcgggcat	gggtgtccgtg	aacgactttg	ccagttacta	cgcggtgcag	300
ctgccgtttg	gcggcgctcaa	gggttccgga	tatggccggg	tcgccggaga	agaggggtctc	360
cgggtccgtga	gtaacatcaa	ggcagtttgt	gtcgaccgct	tcccagggt	gatggctacg	420
cggatacccc	cgagagtggg	ctatccgatt	cagaagggtg	acgatgataa	gcagaatggg	480
actggagctt	gggagctgtg	caagggtgtg	gttgagacgg	ggtatcagct	gacgttggct	540
ggcaggttag	gggggatcct	gcggctcttg	aagaatatgt	aa		582

<210> 9832

<211> 189

<212> DNA

<213> A.fumigatus

<400> 9832

atccagggcg	tcttccggtc	catcgggcgc	tgctcatgg	gcacgtcaa	taccatcggc	60
gcggtcctta	aagccatcat	caacgggtgc	gtcagttctt	gcaatatcgt	catttcatgc	120
ctcacttgtg	gctactgcgg	aaaccgggga	aggatgaggt	cttcgagaca	tcgacgatca	180
agggtctaa						189

<210> 9833

<211> 312
 <212> DNA
 <213> A.fumigatus

<400> 9833
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 tttcatgata ttcagttgtc gcattcctgg aatatcccaa cctcatacat cattctcaga 120
 ccttggcgct attgtgacat cgtacctgcc atatatagcc tcaactatccc tctcgttcaa 180
 ccccttcacga tgcgtccatt ttctgatacc tctgtccaca ccaactgcac ttccagtact 240
 ttgtcaaaca cagacaacgc ttctctctct aaaccacaaa ccgtgatcca catcaaaaca 300
 aagatcctat aa 312

<210> 9834
 <211> 795
 <212> DNA
 <213> A.fumigatus

<400> 9834
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 cggaagcata tcttcgatag tattgaggcg agcctgaaga ggttggatct gccgtatgtt 180
 gatctgctgc agatccaccg gtttgatccc aacacgcctg tgaaggagac gatggaggcg 240
 ttacatgatg tcgtcaagtc gggtaagggtg cggatatatcg gggcgctcgtc gatgtgggcg 300
 caccagctgc tggagtatca gtatacggcg cgtatgaacg gatggacgga gttcatttcc 360
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 gccaaagtctg ggatgggtgc gataccgtgg agtccgcttg cgatggggtt cttgaccggc 480
 ccatggaaag cgtttgagga aaccacgcgg gggaaatcgc tgaatggcaa actaatgggc 540
 caaccgttta ccgaaacgga caagaagatc agtgagacga tagaggatat tgccaataaa 600
 cgcgggtgtg cgatgaccat agtgagtcctt gcctggctcg tatcgaagcc attcatcacc 660
 gcgccgattg tgggtttgag caagaaggag agagtcgatg aggcgattca agcaatcgac 720
 ttcaagctca ccgaggagga gatcaagagt attgacgatc tgtatcaacc taagaaggtc 780
 ataggccacc actag 795

<210> 9835
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 9835
 atgctaacac caccaccttt ttcaactact aaaactacct actattcgac tacctcagcc 60
 tctaccgatt tcttgacaaa tttcttcttc tttctctcat ctattattct ccagcggcac 120
 cttttctctc cacatctcgg cgcacattat agcgcgatat tcaactatct ccgcccgtc 180
 atctaa 186

<210> 9836
 <211> 201
 <212> DNA
 <213> A.fumigatus

<400> 9836
 ataactctta ggtccccact gttattccca aagactggca ggatgatatt tctcgccctc 60
 tccgttctta tccccctcatt tctgtctctc cttgcgttta tcagtattag ggaaaaggga 120
 agcctaaaca gacagttgac cgattatgtt gcgttctacc tattaatcag aagtgaacaa 180
 tattataatc aggattatta g 201

<210> 9837

<211> 348
 <212> DNA
 <213> A.fumigatus

<400> 9837
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 ttcacagccc gtcgactcct taccagcgcc cctcgcgcca tctcccggag ggcgctgttt 120
 cacagcactg cgccggcctt cgtccaaaag ggagacgcca ttccagacct cgatgtgctg 180
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 atcatcggtg tccctgctgc tttcagtacg tttgctgccc cccgccttga acccctacat 300
 ctctacgca tccaatccga catgagatcg acaagaggga aaagataa 348

<210> 9838
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 9838
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 gtcggaataa ttcccatatt cgtgaaggat atggaggaga ccatcaacac cgcgactcag 120
 tttgtcagtc agcgcatattg ccccatcttc cagggtgtcca atgtcacggg tgaaaatctg 180
 gagttggtac ggacattcct gaacattctt cctcaccggg gccaatataa cacagaagca 240
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 ggagtggcca agtccggggg gatccacgct ggcgattcgg tgctcgtggg ccctgattct 360
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 gcttgctttg cgggacagtc tggctcgttt gctctcaagc gtgtgcgcag aaaggaagtc 480
 cgtaagggaa tgggtggttct caagaaattg gagcagcctc ccaaggtcta ccgagaattt 540
 gtcgctgaag gtacgttcta a 561

<210> 9839
 <211> 291
 <212> DNA
 <213> A.fumigatus

<400> 9839
 cttgaaccag tgctcattct ttcccacgct accacaatta agccgaggta tcaagcaatg 60
 ctacatgtgg gcgcagttag tcagacttgc tcagtcattg acattgaccg ccccttcac 120
 cgaaccggtg atcgagctct tgttgctttc cggttcatcc aacgtccgga attcttggcc 180
 cctggcgatc gagtccattt ccgagagggg aaaaccaagg gcttggggat tgtcaagagt 240
 gttggatacg acccgatca tcccctgaac cctgaagcta agaccaagtg a 291

<210> 9840
 <211> 1563
 <212> DNA
 <213> A.fumigatus

<400> 9840
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 agccgccatg agccccctgac gtctatttgc acgagcgcca ttgagtctcg accggatctg 180
 actgatacat ttgaagatga ccaaccgaaa gggctctaca attccaactc taacgggtgg 240
 acgggttccc ctaccggagt tggttctcct aaccgtccct attcccccg actgaggtcg 300
 ctttcttccc agaagcggcg atcaactgaa cgtggcgagc atggtgcccc agagattcag 360
 atgcaaagct ttcattgacgg agctccgcct ccgcccccg tggcccatc atggcgaaag 420
 atcgatcgat ggctggaaaa taattacgaa gagctatacg ataactcttg cgaggggtgc 480
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cgaggagtccc	ttatgatcca	cgacgggtcag	gagcgccctg	gccttccac	aggcggtatc	600
ttcggatgta	tgcttctgga	ctgcgaggaa	attggtcaag	aatggaagaa	ctggaggacc	660
gtcaacgaag	agtttctgag	caattccacc	atgatgaatc	ctccccgaa	ggccacagca	720
agctcatcct	ctgcggtacc	tctctgcaa	ggcggaatc	ccctctggag	acaagaactt	780
ctggaccgcc	aggactcaca	acctccaggc	gccgtacaga	aggcatacgc	acaccctgcc	840
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cctgccggga	aatggggtca	agtcattcatt	ttcgggtcgtg	actacgactg	caaatacgtt	960
gtagctcgct	cttgggctgc	tttccttget	gtgctcgcg	atgatatctg	cagtggtaag	1020
gtcagcgtag	atgaggagac	aaatgagctt	aaattgttgg	aattcaagg	tcagaatgtt	1080
gagccgcctt	atttggagat	tctgcgttgg	agaacagacc	agaaatatgg	cagaagagcc	1140
cctcgacgca	aggcgccaaa	tggactggga	ctcaacacga	acagccgcc	cgggaaagaa	1200
tccccgtatg	ggagcccaac	acctagtga	gaacgtggcc	ggtctcctca	ccgatttccc	1260
aaccgcggtt	ctactcagag	ccctaagaca	cagttcggcg	tttcgagtcc	tctagctcgt	1320
gtcacagaag	aagcgacaag	ccctgtgaat	acaagcgctg	aagttgagat	gcccgaagat	1380
gctttcaagg	agcatagaaa	ggagcccga	acagatgac	tgatggaggt	agttacaccc	1440
caaattctctg	ggaaggaaaa	tcaggacctc	acagacaagc	atgacgagtg	gaagtcaccc	1500
aaaccagaaa	aagtgcagag	acgtgagtct	agccaaggga	caaccgcagt	ctcggaagcc	1560
tga						1563

<210> 9841

<211> 420

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (22)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9841

ccttcggccc	cgtctggaga	anacgcaaca	cgggaccatg	aggtgcgctt	cgcgcgctc	60
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attgggttta	aggacggaat	tgttgtcgag	cgtgtggtgg	gatttgaagg	tcctggagct	180
ggggggcggg	acggggctga	cagttttgat	atcgcgactc	tagaaaagcg	gctgcttgg	240
aaagggatcc	tcaccagac	gaagttcaaa	aataatgagg	atgattctga	tatatctgag	300
ggtggcagtg	gcgacgaagg	ttccaacagg	agacggccat	gtactgggcg	acggactatt	360
cggagcggaa	atggacgaca	ccatggaggc	gatgatgacg	atgacgacga	ctggggctga	420

<210> 9842

<211> 1437

<212> DNA

<213> A.fumigatus

<400> 9842

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atgccccctc	cgaagctgtc	ctacgggctc	aatttgccca	gcaaaaaagc	tccaatctcg	120
aaactcggac	cgccagggtc	ccagaaacgc	agaagacca	tcttcgattc	cgactctgaa	180
ggcgacaacc	agaacgatgc	cggcgacggc	ggcggtgacg	gccccatcga	gataaccaca	240
attggcggtc	tgaagaacc	acccagaccg	tccaccaacg	agcgacaaac	tacagaaccg	300
cctgcaaaaac	gaaaaccatt	ggctggtccc	ccaaccggca	aaccaacat	caaaccctta	360
agcaagaact	ccatctttgc	cgacggggaa	gagacccaag	aaccacaggc	aatgccgctg	420
ggcctcaacc	ccgcaaaaaa	caaatccagc	gcgccaccca	ccgccgagct	cacaaacctt	480
tccgccctcc	gcagtagcaa	gaaacacgcc	gaggacgccc	aacagcttga	ccccaccatc	540
tactcctacg	acgccatcta	cgacagcctg	cataccgccca	aatctgacaa	agccaaagcc	600
gcttccgctg	acgccaaaaa	cgacggggccg	cggtagatga	cctcgctatt	gcgcagtgca	660
gagatccgca	agcggggacca	gctgcgcgcg	cgggacaggc	tgctcgccaa	agagcgtgag	720

gcagagggcg	acgagttcgc	cgacaaggag	aagttcgtga	cgtccgcgta	caaggcgcag	780
caggaggagc	tgcggcggat	cgagcaggaa	gaagcagagc	gggaacggca	ggaggaggag	840
cggcggaagc	agaacggcgg	ggcggggatg	gtcgggttct	accgggacat	gctatcgga	900
gacgagcagc	ggcacgagga	agtctgcaag	gctgcagagg	aggccgcgcg	acgggtgcag	960
gcgggcgaga	tcccagccga	cgaagccgcc	gcggaggcgg	aagcaagcaa	ggaaaagacc	1020
gaggcgcaga	tgcgcgcgga	gctcaacgcc	aagggcgcgc	acatcgccat	caacgacgag	1080
ggcgaaatcg	tgcacaagcg	gcagctgctg	tccgcggggc	tgaacgtcgc	gccaagccc	1140
aagccgtccg	cctcggcgag	cgccgctgcg	gctgctgctc	gtgcggctgc	caacaagccg	1200
cgtctcgact	cggggcacca	cgcggcgcgg	acgaaccagc	gcgcccgtca	gacggagatg	1260
atcgcgcgac	agctagagga	gaaggcccca	caggaagccg	aggccgaggc	cgcgcgacag	1320
cgggagatcg	cggagcgcac	gcgtactcgc	aaaacggaga	cggatgtgct	gagcgcgaag	1380
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<210> 9843

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9843

gcaagaactc	catctttgcc	gacggggaag	agacccaaga	accacaggca	atgccgctgg	60
gcctcaacc	cgcaaaaaac	aaatccagcg	cgccacccac	cgccgagctc	acaaaccttt	120
cgcgcctccg	cagtagcaag	aaacacgcgc	aggacgcca	acagcttgac	cccaccatct	180
actcctacga	cgccatctac	gacagcctgc	ataccgcca	atctgacaaa	gccaagccg	240
cttccgcgga	cgcaaaaaac	gacggggcgc	ggtacatga			279

<210> 9844

<211> 789

<212> DNA

<213> A.fumigatus

<400> 9844

ggcagagggc	gacgagttcg	ccgacaagga	gaagttcgtg	acgtccgcgt	acaaggcgca	60
gcaggaggag	ctgcggcgga	tgcagcagga	agaagcagag	cgggaacggc	aggaggagga	120
gcggcggaag	cagaacggcg	ggcgggggat	ggtcgggttc	taccgggaca	tgctatcgcg	180
agacgagcag	cggcacgagg	aagtctgcaa	ggctgcagag	gaggccgcgc	gacgggtgca	240
ggcggggcag	atcccagccg	acgaagccgc	cgcgaggcgc	gaagcaagca	aggaaaagac	300
cgaggcgcag	atcgccgcgg	agctcaacgc	caagggcgcg	cacatcgcca	tcaacgacga	360
gggcgaaatc	gtcgacaagc	ggcagctgct	gtccgcgggg	ctgaacgtcg	cgcccaagcc	420
caagccgtcc	gcctcggcga	gcgcgcgtgc	ggctgctgct	cgtgcggctg	ccaacaagcc	480
gcgtctcgac	tcggggcacc	acgcggcgcg	gacgaaccag	cgcgcccgtc	agacggagat	540
gatcgcgcg	cagctagagg	agaaggcccg	acaggaagcc	gaggccgagg	ccgcgcgaca	600
gcgggagatc	gcggagcgca	cgcgactcgc	caaaacggag	acggatgtgc	tgagcgcgaa	660
ggagcgatat	ctggcgagaa	agcgggagcg	agaagaagcg	gccaagaagg	ggtcgtagcc	720
ttgcttggtt	atttctttgc	atccgccttg	accaggtgtc	ttaaccgccg	gaaaggaagg	780
aacagcgct						789

<210> 9845

<211> 243

<212> DNA

<213> A.fumigatus

<400> 9845

ttacctgtcc	caaagatgtc	gtattatttc	actatcctct	ccccaccga	cgttccccta	60
ttcaatatcg	ccttcggcac	ctccaaaggc	ggcggagatg	gcacgcccg	attccgcttc	120
ccagacacag	cgcaatacat	gaaccaattc	atcatccact	cgagtctgga	cattgttgag	180
gaggcccaat	ggatgaatgg	caatatgtac	ggcccgccat	attccaatct	taccgacatt	240

tga

243

<210> 9846
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 9846
 acaagcaagg ctaagacccc ttcttggcgg cttcttctcg ctcccgcctt ctgccagat 60
 atcgctcctt cgcgctcagc acatccgtct ccgttttgcg agtacgcgtg cgctccgcga 120
 tctcccgtcg tcgcgcggcc tcggccctcg cttcctgtcg ggccttctcc tctagctgtc 180
 gcgcgatcat ctccgtctga cgggcgcgct ggttcgtccg cgcgcgtgg tgccccgagt 240
 cgagacgcgg cttgttggca gccgcacgag cagcagccgc agcggcgctc gccgaggcgg 300
 acggcttggg cttgggcgcg acgttcagcc ccgcggaacag cagctgccgc ttgtcgacga 360
 tttcgccctc gtcgttga 378

<210> 9847
 <211> 456
 <212> DNA
 <213> A.fumigatus

<400> 9847
 cgacttcctc gtgccgctgc tcgtctcgcg atagcatgtc ccggtagaac ccgaccatcc 60
 ccgccccgcc gttctgcttc cgcgcctcct cctcctgcgg ttcccgtctt gcttcttcct 120
 gctcgatccg ccgcagctcc tctgtctgcg ccttgtagcg ggacgtcacg aacttctcct 180
 tgtcggcgaa ctcgctcgcc tctgcctcac gctctttggc gacgagcctg tcccgcgcgc 240
 gcagctggtc ccgcttgccg atctctgcac tgcgcaatag cgaggatcat taccgcggcc 300
 cgctcgTTTTT ggcgctccgc gaagcggcct tggctttgtc agatttggcg gtatgcaggc 360
 tgtcgtagat ggcgctcgtg gagtagatgg tggggtcaag ctgttgggcg tcctcggcgt 420
 gtttcttgct actgcgagg gcggaaaggt ttgtga 456

<210> 9848
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 9848
 acccgtgtgg agtatatgga gaaaggtggt gacataggaa gaagaggcga gcggaaaaag 60
 aatgaaatcc cgtatacgt gtcgtacacg caacaaacgt cgttgtgtct ctggcgcggt 120
 tggaagcgcc tgcttgcgga tccctcacta ccatatatcc agcttggagg caataccatc 180
 gtgggtttgt cttgggaggt atcttcttca atctgcacaa tgacccaaac agcttgtaca 240
 gccgaggagg gttga 255

<210> 9849
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 9849
 aactgtgagg caaatgcaga ggcggtgtaca gtttattata aggccggtaa tattcatcat 60
 aattggagtt taacctttgt gtttagtagt gtaagcggca gcatgttctt acaatttctt 120
 gccattggtg ctccggacca ttacagcagt ttccttattg gacgctgtcg aggtatcat 180
 gggctgtctg tttag 195

<210> 9850
 <211> 387

<212> DNA

<213> A.fumigatus

<400> 9850

gtgatcgtgg	acgttcaacc	tcctttctcg	tgctatgtct	atagagggtta	ctatggcgcg	60
gccactggta	aggggagaca	ggccgcgaaa	gctgaacttg	agaaattgga	cctagcctcc	120
gaaaagttga	ctttgctcga	ggccgtcaga	gaagccgccc	gtatcatata	cgtggcccac	180
gaagatagca	aggacaagga	gtttgagttg	gagatgtctt	ggattagctc	attagacggt	240
ccgaccaaag	ggaagcatga	agcggtacct	agggaacttc	ttgaagaggc	cgaaaaggct	300
gcgaagagag	ctttggaggg	ggaagatgag	gacgagggaag	agacaacaaa	gaatgatggc	360
aatggaggcg	agcgaatgga	ggaatag				387

<210> 9851

<211> 249

<212> DNA

<213> A.fumigatus

<400> 9851

gtaccatggg	gatatggtga	cttattcaac	ggtgaccgat	tttgccagat	tgcgtgggaa	60
atcaacgttg	agtcctctct	caacagcaag	ccaataagca	ataagctgca	gcggaataac	120
gttgagaagt	ccctgaaggc	agtcaacggt	ctttgggacc	tcaatctttt	cggctctgggc	180
ggaagagaac	tctgggtcgt	catggttgca	aatcacaatg	ggacgaccac	cgcgagcaat	240
cactggtga						249

<210> 9852

<211> 291

<212> DNA

<213> A.fumigatus

<400> 9852

ggacccatcc	cgatctccgc	cctgggccaat	cgtcttggca	gttatgtcca	agcttacact	60
ctctattcca	gtgtacgacc	atttgggggt	acagctattg	tcggagggtg	ggattctgat	120
accgaacttg	ctgttgatgg	tcaagtagga	accggaccgg	ctgcgggttc	cggcggttaag	180
acttcacatg	ccaaggttgg	tgggcccgggt	ctttatatga	tcgagcccag	tgggttgtag	240
tgggtaagtg	atcgtggacg	ttcaacctcc	tttctcgtgc	tatgtctata	g	291

<210> 9853

<211> 366

<212> DNA

<213> A.fumigatus

<400> 9853

aggatatttg	ctttgcta	tgccgtgaga	ctaaacaatt	tttccttcta	cccagtctct	60
tctcttcaaa	ccaagttcca	cggcggcttt	acccaatcc	tcaccatgat	tgtgcattcc	120
cttcttgcca	agaccagctc	tttccaggcc	ttgttcttcc	gtcagaacag	tgagcactcc	180
gaaaattact	ggcacgccag	tatcaagttg	aacacgcac	aaaccatgag	acaccgcac	240
cgcaatgtac	tcaaaatgca	ttgtctctcc	cttgatgaga	acaccgatag	caatgatggc	300
gtcaaaaggc	ttagctgcag	tcgaagttgg	cgatgtctta	ctcaggtctg	cagtagagga	360
cgataa						366

<210> 9854

<211> 270

<212> DNA

<213> A.fumigatus

<400> 9854

ctatctctcc	ctcctgcctt	cattttacat	acctctaacc	attcaccagt	gattgctcgc	60
ggtggctcgc	ccattgtgat	ttgcaaccat	gacgaccag	agttctcttc	cgcccagacc	120
gaaaagattg	aggtcccaaa	gaccgttgac	tgcccttcagg	gacttctcaa	cgttattccg	180
ctgcagctta	ttgcttattg	gcttgctgtt	ggagagggac	tcaacgttga	tttcccacgc	240
aatctggcaa	aatcggtcac	cgttgaataa				270

<210> 9855

<211> 426

<212> DNA

<213> A.fumigatus

<400> 9855

tccgagatct	ttaccaggat	atacacggcc	tcgcagctcc	aagctgcca	aggatcatca	60
tccgcaggag	ggatcagtgc	gacggattta	ttatcgctct	ctactgcaga	cctgagtaag	120
acatcgccaa	cttcgactgc	agctaagcct	tttgacgcca	tcattgctat	cggtgttctc	180
atcaaggagg	agacaatgca	ttttgagtac	attgcggatg	cggtgtctca	tggtttgatg	240
cgtgttcaac	ttgatactgg	cgtgccagta	atthtcggag	tgctcactgt	tctgacggaa	300
gaacaaggcc	tggaaagagc	tggtcttggc	aagaagggaa	tgcaaatca	tggtgaggat	360
tggggtaaag	ccgccgtgga	acttggtttg	aagagaagag	actgggtaga	aggaaaaatt	420
gttttag						426

<210> 9856

<211> 255

<212> DNA

<213> A.fumigatus

<400> 9856

agtcttaccg	ccggaaccgc	cagccgggtcc	ggttctact	tgaccatcaa	cagcaagttc	60
ggtatcagaa	tcccaacctc	cgacaatagc	tgtaacccca	aatggctcgt	cactggaata	120
gagagtgtaa	gcttggacat	aactgccaa	acgattggcc	agggcggaga	tcgggatggg	180
tccttagaat	acgcttctcc	acgaggaagc	ttcgtctcta	gctcgcgaca	cgaagtgcgc	240
accgtctggg	actaa					255

<210> 9857

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9857

cgcgtttgct	tatgcttcat	ctccctctct	aaaggctctg	gacttcgcgt	tgccatagtt	60
catgccaggt	ggaacatggc	aataatccag	cctctcgtgg	aaggggcaaa	gaaaagcctt	120
ttggcggccg	gagtacttga	agaggatata	acccttgaga	cagtgcgccg	cagttacgaa	180
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<210> 9858

<211> 1482

<212> DNA

<213> A.fumigatus

<400> 9858

acgcccaga	agacaagagt	attacctttt	cgcgatggat	tcgacgatga	tgaaatcatg	60
gcgatttcgc	cgagcaagtc	cgcaaatca	aagcggacaa	ccccacggg	gcctggaaag	120
aagaaaagga	agctcgattc	tggcagtcct	acacctctgc	cactatgtca	gccagccgag	180
cttgtagctg	agccgcctga	ggacttattc	gacgaggaga	tgatggatga	tgtgatgggt	240
gacgagccag	tccccgcgag	agaggaccgg	aatgcagaac	tcatgaaatc	cattctcaac	300
cacaaaacat	atcccaacga	ggaatgcgat	atagaggtat	tatcgcaaat	ggcgtttccc	360

tcagaaccgc	gacggaagct	gtctacgatt	gtcctggagg	aaacagcaag	gttgcactcg	420
ggcaactatg	tgggtggaata	tgcgcaagtc	atcgcacatc	tatgggtccc	ggccctaaag	480
gagaagtctt	tcaagccggg	gccgatgttc	atggagatta	cccaccacct	gttagcattg	540
gatgcaccgt	cgtgcgtccc	agacatgac	gaccatcttg	tgccagtgtc	acaagagtcg	600
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caggtagcgg	agacgcgcgt	gtcccaactt	gaagtccttg	tggattcgac	cgaagcgcta	720
agcctgttgt	accgcatggc	gtatctctgt	atacacatgg	agcgacgat	ggagagggtc	780
tggcggcaca	tgcgctacga	ctttgtcttg	atgatgctga	attgctcaca	acccattcga	840
gacatcacct	taatgctgaa	tctgctttca	acgagcatcc	gagcggagtc	ctttggatcg	900
gtccaggaga	cccagcaaga	tcagcttgcc	aacgagaatt	acattgtaga	ccgtgtggcc	960
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atctgcagca	tgcgcttgca	ggcaatgtat	tttctcacct	cggtagcttt	taatccagtt	1080
gcaccggcca	gtgagcacgg	aagctccgtc	attgcacagc	acccaacggt	gcttgcgcgg	1140
atgatacgag	ccatgcatga	cgaactggat	gcactctaca	cgtatccgcc	cgagcgagat	1200
ctccacgcga	ccatggtcaa	cggcctcatg	cgcttagtct	acggagtaat	ccgtcgtcac	1260
aagaacgtgg	acctgcaatc	gaagttatgt	cgagtcgctg	gtgggaagca	aaagtttcta	1320
gtggtgctga	cacggttggc	gttcagcgaa	ggaccgatac	tcgagggcgg	catcgatgac	1380
gagacggtgg	agatggccca	tgagatcttc	gatgatgccg	tcaccctca	ggaagcagaa	1440
gcgctcttag	aggcattccc	gagtgcgaag	cgagacgatt	ga		1482

<210> 9859

<211> 522

<212> DNA

<213> A.fumigatus

<400> 9859

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cccagtacat	tattgcagct	ggagcagAAC	gcgtatctag	ctacacaggc	gcaaaaacca	120
gcgcaatcag	aagcttctat	tcacactgct	cctacttcac	atgcgcaagt	cgaccgacaa	180
tttgcggtcg	cagaatccc	atcaatacct	atcaatgcta	cgttgaaacc	gcctgcgcgt	240
ctacacaccg	gtctgacgaa	cgattacgat	tctctggatg	tgggtgaatt	tgatgcggaa	300
gtgctcgatg	gtgattctgg	atttcctgtt	gccctggatc	agccgcctgc	ttcggcagga	360
caagctgttc	ctctccgcaa	tgagtccgcc	ttagagccta	tggacattga	agaaggacgg	420
ggaaaccggt	accaagccaa	tatctacgag	gcttacaatg	cgctggagga	gaaggtatct	480
gttgtggaag	catatacaac	ggcaggcttt	tggctaattgt	ga		522

<210> 9860

<211> 489

<212> DNA

<213> A.fumigatus

<400> 9860

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gacattacca	ccctcggccg	agcagggttt	acctcccagc	gcacaacaga	tgatatgtcc	180
tgggacctat	ccgacgccga	cgggctcgag	ctggacgtcg	ccggttcgga	tgggaaagtg	240
tacactctag	ttgttaaaga	cagactacta	ccaacccggg	ctgatggtcg	tgagcagagt	300
acgatcagct	gggagtatga	tttcagacg	gtggagaggg	caattgtgag	agtgagatgg	360
gaggatctac	gggcgtcgta	tcgggggagg	aaagttgatg	cggagccgtt	ggatttgagg	420
aatgtaaaac	ggattagtat	tatggttcgc	aggtatgtat	ttattctgca	aagaaaaagt	480
cgttattga						489

<210> 9861

<211> 279

<212> DNA

<213> A.fumigatus

<400> 9861
 gtcaccttgc tcagatctga catagctaata gttatagacg atggteccctc acatactgga 60
 cctcctccga cgaccgcgtc cggggcggtt cctcgtattc caccctcacc attctcccaa 120
 acaacacagt ccaattccac ggacatctgg acattaccac cctcgccga gcagggttta 180
 cctcccagcg cacaacagat gatatgtcct gggacctatc cgacgccgac gggctcgagc 240
 tggacgtcgc cgggttcggat gggaaagtgt acactctag 279

<210> 9862
 <211> 243
 <212> DNA
 <213> A.fumigatus

<400> 9862
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 tgcctccgca agtacacgaa gttcatcatg atcatgactt attgtcgaag tacgaatatg 120
 ttggaccgcc ggatgatgag ttggatttca gctaagggtca ttcttttgat tctgggttct 180
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 tag 243

<210> 9863
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 9863
 ctccagcgaat atagtgcggg acgacgattt ctctgctgcg ttcacatcat tccggactcc 60
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 atttattatt tttattatta ttggaaaagtc agtacttcta taatcggtaa tgtgattgcc 180
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 cattctatct tattcccttg cagcctgcct ctgcaggcct ga 282

<210> 9864
 <211> 555
 <212> DNA
 <213> A.fumigatus

<400> 9864
 tctcgtgacc ggccgtgccc ggccgaggac gccatcatgc ctgctattca tggagattta 60
 ctggccgctg tgataccaac cgatagagac atcccggtca atatcactcc gcggcaggtc 120
 actctaagag accgggtcac tgttgcgacc ctgggtgcta tttcatcagc cgatgatgtg 180
 cctccctcct tgatgcgcta tctgtctgat cagttgaata aagaaattgc caagggtgac 240
 acctatgcca tggttgatcc catcccgtca gagcagtttg cgacgtactg gttcttcaac 300
 tttggcgcca tcatgctact aggcgacatt aagagtgtgt atgagatgaa ggccatggaa 360
 agggctggcg cggattggac caagacctgc ttgggcagct tcaatatccg gccgaattac 420
 cccggacgta gtagtcatgt ctgtaatggc atgtttcttg tgacagatgc ggcgcgcaat 480
 cgtggtgttg gtcgattgat gggagagggc tatcttgaat gggctcctaa actgggtcagt 540
 atgatctcca cttga 555

<210> 9865
 <211> 1116
 <212> DNA
 <213> A.fumigatus

<400> 9865
 cagggttaca catatgccgt cttcaacctg gtttacgaga gcaacgtggc gtcttgtcgc 60

atttgggatg	ctcttggctt	taagcggatc	ggtaaggtgc	caaatgctgg	caaggtgctt	120
tccagccccg	gtgaatatgt	tgatgcgatt	atctatgggc	gcgacctgag	ttctgaaggc	180
gatgattcat	ttacgcaaga	tcgcttcgac	aagatccggt	attatctcaa	gcattctaaa	240
tacctagag	gtgccgatag	agccgagaag	agtcggctga	gaagtgcagc	caccactac	300
aagcttatag	aggggaagga	cggcgactca	gataaactga	tgctgaaaga	caaagaggtc	360
gtttcagatc	cccagcagca	atacgaaatt	gcccgaacta	ttcatctcaa	gcagcatgca	420
ggcatcaata	agacgactgc	agccattgcg	gtgaaatatc	actgggtcag	gatcaaagag	480
accgtcagtc	gagtcattcg	agattgtcct	caatgcaaag	agacgctcaa	actgccaccg	540
agtaacggta	tgctaattca	cgacggcgct	gtaaccatgg	agaagttgag	cgccaacgag	600
aatgaaacga	gcttgctgac	acggagcacc	atggagacac	cgcagttgat	ggacaataat	660
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ttatcccact	cgaactttga	agacgccgta	cggcatcaca	cagcgcagta	ctaccatag	960
atggttgagg	acgcttctga	ttcagatgct	gccgtgttac	gccaggaagc	gctcggcttc	1020
gtgcctccgc	aagtacacga	agttcatcat	gatcatgact	tattgtcgaa	gtacgaatat	1080
gttgaccgc	cggatgatga	gttggaatttc	agctaa			1116

<210> 9866

<211> 447

<212> DNA

<213> A.fumigatus

<400> 9866

cgcagtttag	ccagtcccaa	tggtctggtca	tacgatgata	ccaacgtatc	taccgactct	60
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tccgaggccg	ccgatgtacg	cagcgcaagg	atgtcgggat	acagtggaat	cgagatggat	180
gcctggcaaa	gacgacaagg	ggtgaaacca	agtgcgctac	ggcgatatgg	aaccaggaag	240
atcaacctcg	tccagggttc	ggtactcagc	gttgactacc	cggcgccgag	tgcgattcag	300
aacgcgatcc	aggcggagta	tcgggatgcg	gaggaagcgt	tccatgaaga	attcacgcat	360
atgcggtgta	agtactcatg	ccgaattgcg	atcgcatata	gtcggctaag	gaggtctaga	420
tactgccgcc	acctgcgacc	cagatga				447

<210> 9867

<211> 417

<212> DNA

<213> A.fumigatus

<400> 9867

ggaggtctag	atactgccgc	cacctgagc	ccagatgaat	tcactctgag	caacggctac	60
aacctacgtc	ccgccatgta	taaccgtcat	acggaactgc	tcacgcgat	cacttattat	120
aatgaggata	aagttctgac	cgcccgaact	ctgcatggag	tgatgcaaaa	cgtccgggac	180
attgtgaacc	tgaagaagtc	agaattttgg	aacaagggag	gaccggcatg	gcagaagatt	240
gtggtgtgtc	tcgtgtttga	tggaattgag	ccttgcgata	agaatactct	ggatgtcctc	300
gccacgatag	gtgtgtatca	ggatggggtg	atgaaaaaag	atgtggacgg	gcgcgagaca	360
gtcgcacata	ttgtgagtga	tacaaggcag	cgcgttcctt	ttgaaaaaca	tcactga	417

<210> 9868

<211> 1035

<212> DNA

<213> A.fumigatus

<400> 9868

ttcgagtata	cgacacaatt	atccgtcacc	ccgacacagc	agctggtcag	accgcagcct	60
aatgatccta	gcaatctccc	cccgggtccag	atgctattct	gcctcaagca	gaagaacagc	120

```

aagaaaaatca attcccaccg gtggctgttc aacgccttta gtcgaatcct gaatccggaa 180
atatgcatcc tgcttgatgc tggcacgaag cccgggagca aatccttgct tgccctatgg 240
gaagcattct ataatgacaa aacactgggc ggagcatgcg gcgaaatcca tgccatgctg 300
ggcaggggggt ggcgcaatgt gctgaaccct ctagtgcgag cgcagaatct tgagtacaaa 360
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ggtgctttct cggcatatcg ctaccgggag atcatgggac gaccgttggg gcaatacttt 480
catggggatc atactttgtc caagcggctg ggaaagaagg gcattgaggg gatgaatata 540
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gctgggtata aatggcatct cactatgtg aaagcatcca agggagagac agatgttccc 660
gaggcggcgc ccgaatacat cagtcagcgg cgacgatggc tcaatggctc ctttgctgcg 720
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atgttcttct tgcataattca gatgatttac aactgctgcc agctcatcat gacctggttc 840
tcgttggcat cctactggct gaccagctcg gtcacatgag acctcgtagg gacgcccagc 900
tcgcataaca agtacaaggc atggccattc ggcaacgatg cctcccccat tgtcaacttt 960
tttgtcaaat atggttatct ctgggtgctg atgctccaat ttgtgctggc tctgggaaac 1020
cgccccaaag ggtaa 1035

```

<210> 9869

<211> 723

<212> DNA

<213> A.fumigatus

<400> 9869

```

gccgacggaa tctcgtgtcc gagacggaaa actgctgaca caaacagaac caaattagcc 60
tacaccatgt cgttcctctg gttttctctg gtgcagttct acgtgctgat cctgtccttc 120
tacctggctg ctaatgcctt catgggtggc atgacgcact ttgatttcga ccaaggcgtg 180
ggcaacttcc tctcctcctt ctccagctcg actgggtggg ggattgtcct gatcgccctg 240
gtgtccactt acggcattta cattgtcgcg agcattctct acatggacct ttggcacatc 300
ctgaccagtt cctgggcata ctccctgggc atgaccacgt cgatcaatat tctcatggtg 360
tatgcgttct gcaactggca cgatgtgtcg tggggtacga aggggtccga taaggcggac 420
gctctgccct cagcgcagac gaaaaaggcc gacggcagca agaacaactt catcgaggag 480
atcgataaac cgcaggcaga catcgacagc cagttcgagg caacgggtcaa acgggcgctg 540
gccccgtatc aggagcccaa agaagactcg actatcagcc tggatgattc ctaccgcaac 600
tttcggacca gctggtgtt gctctggatc ttgagtaatt tgctggcttc gctgctcatt 660
acgagcgacg gcatcaggaa gatgtgtctg acggtacgcc tgggatcccc gggatgcgcc 720
tga 723

```

<210> 9870

<211> 2085

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1926), (1999), (2031)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9870

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caggtgttgg actcagagga caaagggcag ttacaggcta ttgtacgaac cctaggactt 60
gcacggcggc tgtactttgc tcccttcgtg gactacttgc taccgctcct gaaccatgcc 120
gaccaggaac gggagctccg cgcaatggcg tatacgttcc agatggtggt aggatatgcc 180
ctgccttggg cagcagatca agagtgtctc ttccgagagc tcacaagaga cgcgctcatt 240
gtcctggggg ttgacgcact ggatgaggaa gcgaactttg aggacagtgt cagtgtggat 300
aatatggagg tcgaccggca gttctcggtc tcctaccagg attggcggga agaaccgtcc 360
gcggagggtc gaatgcagat gatggcagag tacgaggatg tacgagtcgt tgcgacgcgc 420
gaacgcctgc tgtccctact gagaagcttg cagctcgttg gcttaggcgg ggacaaggcc 480

```

```

caaaaaggctct ttgccagcgt gatggacatg atgttgacgg tgtttattga atccgcataat 540
gccaaccagt gggagggggcc gtcgttggtc agccagcacc tgcgacagtg gattgagaat 600
gtgtttgtctc gggtgggtgt gtaggttctg gcgattatca atcacgacga gactggagcg 660
aatgcctccg gacgtctgga tgaagtttg gtggatgtgg aaaggtggca agagatggga 720
atctcgcgcc tggggctact ccggaccgcg gagctgtttg atatcattgt cgagtggcct 780
gcgagcagcg gtgcgattga ggacttgca caattttgga cacatccgcc cgccaggtac 840
tgtctgacgc aagcgttcat caaggtgctc aaccaacggg tgttgcaccc cggggcgta 900
accattgaca tcttacgagt gtatatttct atcatccgcg cgttcaatct catagatccc 960
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aatctcccggt ctactggaga gactctttca gagctgtctg ccgagctagc caaggcacat 1140
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gaccgggtgg acgcggcgcc ggactacaaa aagtctaaga gttccgatgt cattggcagt 1260
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gacaccgggc ctgagctgca tgcgaagatt ctctctact tcttctggcc cgaattccca 1560
gcgcagcaat tcaaggtgcc tccggagatt gcggcgctgc aggaacgcta cgcgacagga 1620
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gtcgagctgg atctcgagga ccgagtgtt gtggacgagg tgacgacctg gcaggccacc 1740
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gaactgggca tgtcgacagc gtcgtgcgc agtgctgtc tgttctgggt cagtaaacgc 1860
atcctgagcg aattgcagcg caataccttt cgcgtcctgg aggtcctgcc caacgacgat 1920
gacacnggag ccgtcgcccc cgctggcggtg tcagcaatgg agtctgggtc ggccaacgcc 1980
gccgccgcag ccgattcanc ggcgcgggcg gcagccaagg aaaccgcca ngcggcgggc 2040
atggaaaata tgacctgtac tggccattca cccttggcat gttga 2085

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<210> 9871

<211> 1227

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (392)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9871

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atctcgacgc acgtatggca tctcattgca actcaaggta ttatgtgcgc catcggcaat 180
gcgctcatgt tcagcccgtc atctctgtat atggaccagt ggttcattca caaaaagggc 240
cttgcctctg ggatcatgtg ggcagccaag agcgtaacgg gtgttgatt gccctttgcg 300
gcaaattttt gtttgacca cttcggttct agtacgacct tcagagtggg gactgtcact 360
acggtatgga gcccggttcc attgctgcga tntgttgcca atctatgcag aggaaccaac 420
ttgggtggcg tttgtcgtg tccgaatgca tccagtacta acactgaatc acagttgctg 480
actactctag gatctctgcc gttcatgaag cctcgaatcc ctgtctcgcc gtccgcacga 540
gcccggcgtc tggacctggg gttcctccgc ctgcgcgctc tctggacgct ccaggcaggc 600
aatatcatcc aaagcttttg atacttcttg ccgtccacat atctgccatc ttattcgacc 660
gcaacagttg gtctctcaag aacaatgggc acaatgctag tctcgtctct caacgcgact 720
tctatcgtcg gcggtatctg catgggaatg ctctgtgatc gtttcgcagt atcgaatata 780
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tctccggggg ccgactcacc tcggacgggc attgctttgc tcaccctgtt ctccatcttt 900
tacggattct tcgcgggtgg ttccagttcc acttggctcg gtgtcatcaa acaaatcaag 960
cgtgattctt ccacctcttt ggagacaggg ttagtctttg gtttgcctggc cggagggcgg 1020

```

ggaattggca	atgtcatcag	tggtccgctg	agcacggcac	tgatcaagca	gggatcgctg	1080
ggtggctcgc	aaaccagcaa	cgctgggact	ggcttttagca	ctcaatatgg	gactctgatt	1140
ctcttcactg	gtatcacggc	agcgttggga	gcttggagct	cgatgtgggg	ttatatcagc	1200
tccagcgtgc	gctgtgtgag	tcgctag				1227

<210> 9872

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9872

gggctcgtgt	tcctcatcca	gcatttgcag	agccgcagta	agctcgacct	ccagagggca	60
aacccatccg	actgtgtagt	cctcatgcgt	gaacctcttc	ttctgtatct	ctgcgctatt	120
ttgggcctga	tcatcagccc	cttgtctttc	tacctacta	tcctccgcgt	ggctcgacacg	180
tttgagcatg	ttgggtttta	ctga				204

<210> 9873

<211> 1833

<212> DNA

<213> A.fumigatus

<400> 9873

atcataccaa	gcatgccgtc	tatatccctg	accgcgaaag	atcgcttgcg	aagaagccag	60
tccgctcgct	ccatgcgcag	atcgcgtcag	tcctccctgc	cttcggagct	gttcgacccg	120
tccattgcca	gacagcatgc	ggctgtcgct	gccactcgctg	ccatgctgcg	ctcctcggac	180
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gatgacctta	ctttctcggc	ggccttgcca	cccataagtg	aatttcgagg	cctgaatggt	420
cgtgactcct	cgtgccttc	ctcctatcgc	cggcttcgta	aagcacgttc	gatgttctcg	480
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ttcaatgaca	cagagcaatt	tgaaacaccc	cgcggttaca	ggacgttgag	acgctccatg	600
tcttttctaa	gaagtggtea	atctcctaga	ttcatccgcc	acgcgcagag	tcaagaagca	660
gctatccagc	tcgcgcgcag	tcagttccag	gagaacatgg	tcggacaatg	cagtgggtcaa	720
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aagcgagttt	tgggtctgtc	aaagacatca	gcggtccggg	gacaagcgga	agcttcaccc	960
ctctcacttc	agcaacacaa	ttacggccca	tcgtcgacca	tctatgccgg	cgattctagc	1020
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agtgttcaaa	gcaatgaaag	tcttttcgact	tcccgtcttc	gtgtaacaag	ttggactgac	1140
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attaacgaac	aaggagactt	caacggacgt	gccggttccg	agctcccacc	aagaccaagt	1260
gcaatacgac	cagacggctc	catcgacagt	aaacacttgt	acgatgcgtt	gttgagacgg	1320
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catcgactca	taccagcgcg	cacgtcttct	cttcgcccc	ggcgcagcag	gcagaccatc	1440
cgccagatac	caagtgatgc	atcgattgca	acttcagga	catttgccac	agcctacgca	1500
ggtagttcat	ctcctcagaa	gcagacgcag	cgccattccc	ggctcgtccat	gccttcgcaa	1560
aggaaatcaa	gtgcgccgaa	gaaagcgagc	acaccactgg	attttagtgc	agtcgataat	1620
gcaaaggaac	ctgccgctgc	atgtgctgaa	gacgccgagg	acgattctcg	aagcgtgac	1680
gtcgccagtc	aagccgaccc	agagactctc	tccaattctc	ccagcatcta	ttctcggacc	1740
accagcggga	gctctcctga	aaggaaagat	caggcgatcg	atttgtattc	gcgtcttcac	1800
cacggggctg	gaaggatccg	cgggagcgca	ttc			1833

<210> 9874

<211> 693

<212> DNA
 <213> A.fumigatus

<400> 9874
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 aagcctcgcg ttcttccagg acttgggtccc atcagctaca gttgggacat acgcgaagga 120
 caccatcaca ttgtcctcta tatctgcagc tgttcgagat tacgcagatc gatttctccg 180
 aatcgtggta ggtgttactc tctaactttt tttttggcca gaaccgtgtc aagcactaac 240
 atgacctcac agcagaaata cacacccccg aatggcgccc tcgcagagca attctcgccg 300
 tatgacggct cccccctctc agcgcaagac ctcaacttgg cctacacatc ctttctcaact 360
 gcagttcaag cccgaagaca tgctcttaat ccttcgcgat cacacatcca acctctcctc 420
 tcaaacgcga ccaccgccac tgccctcccc caagtctgca ccccttcctc cgcacgaggg 480
 ccctaccagc ccgttaaagc aatcaagtgg cccagaccag agtgtctctc ccctcggagt 540
 accgtcgccg ttcggttcaa tgctcctggcg accaccgtta ttggcgagga catcttctc 600
 gtcgggtcca tccccgcgct gggcggaatgg gatgcgcggc atcaggcttt gaagttggaa 660
 gcgaatgagt actcgagcat cagcccttg tga 693

<210> 9875
 <211> 507
 <212> DNA
 <213> A.fumigatus

<400> 9875
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 gagtgtgacc gctcagcttc tcgtttcaat tttccttatt tccctaccat catcatcatt 120
 atcatcatca tcatcactgt gatctattca aggcagtcac cgataagagc atgtgaaagt 180
 tgtgcatgag aggcagcttc catccgcctt gatgaaatga aagatgaaac gccgcgaatg 240
 accgagatga caaggaagcc gttcctgacg atcgccatag gcgtcttgac cactgtcagc 300
 gctctctcgg accccgctca gattgtgatt ccagcaacaa taacacccca gacgacggac 360
 cccttggtgt catggttagc gcaagaaact tcatacgccc tcgatgggtg gttaaacaat 420
 gtcggaccga acggggctaa ggcaactggc gctagctctg gcatcatcat cgctagtctc 480
 agccaaagca atccggactg tgagtaa 507

<210> 9876
 <211> 249
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (41), (52), (53), (123)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9876
 tgggcctgag ctgagagcaa caacactgat ttccctacgca nacttgatga tnngtatggt 60
 ttgctctttt caataaagat tgagcttccct aacttcgtgt actctaatag gataatgggt 120
 atntctctac cgttgagtc aagcatctggc caatcatttc agaatgacct tttctatcct 180
 acggagtttt ggaactcttc tacttttggg acgtttgtgt gtttctcata cgggaggatc 240
 atccagtga 249

<210> 9877
 <211> 669
 <212> DNA
 <213> A.fumigatus

<400> 9877

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ccagatccgg tagatctttg ggaggaagtt cgcggttcct cttttttcac caccggcagtc 60
cagcatcaag ccctcagaaa aggtgcagcc cttgcccaga ggcttggtaa aacctgttca 120
aactgccagt cacaggcacc gcaggttctc tgtttcctgc agacttactg gactggctcg 180
tccatactgg ccaatctgta tagtgatcgg tccgggaaag atgccaattc aatactaggc 240
atcatccata cttttgaccc caatgcgggc tgcgacggac agacgttcca accgtgttct 300
gatcggggcg ttgcaagcca caaggaagtc gtagactcct tccgctcgct gtacccgatc 360
aatgcagaca ttccccaggg ccaagctgta gccgtgggtc ggtaccaga ggatgtctat 420
caaggtggac acccttggta tctgtgact tggcagcag ctgagcagct atacgatgca 480
ctttatcagt gggagagatt ggggtccctc gccgttacia atataagcct cgcgttcttc 540
caggacttgg tcccatcagc tacagttggg acatacgcga aggacaccat cacatttgcc 600
tctatatctg cagctgttcg agattacgca gatcgatttc tccgaatcgt ggtagggtgt 660
actctctaa 669

```

<210> 9878

<211> 408

<212> DNA

<213> A.fumigatus

<400> 9878

```

cctcacagca gaaatacaca cccccgaatg gcgcctcgc agagcaattc tcgcgctatg 60
acggctcccc cctctcagcg caagacctca cttggtccta cacatccttt ctactgcag 120
ttcaagcccc aagacatgct cttaatcctt ccgcatcaca catccaacct ctctctcaa 180
acgcgaccac cgccactgcc ctcccccaag tctgcacccc ttctctcgca cgagggccct 240
accagcccggt taaacgaatc aagtggccca gaccagagtg tctctccctt cggagtaccg 300
tcgccgttcg gttcaatgtc ctggcgacca ccgttattgg cgaggacatc ttctctcgctg 360
ggtccatccc cgcgctgggc gaatgggatg cgcggcatca ggctttga 408

```

<210> 9879

<211> 183

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (87)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9879

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gactactata cctggactcg agacgccgct ctacccgtca aatacctcgt tggttctttt 60
gccgccgatc acgaatcctg catccanagg atcatagagg attacgtaga atcccaggcg 120
cacttgcaga ctgtctccaa cccttccgga aatctatcaa gcggaggctt gggggaaacc 180
taa 183

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<210> 9880

<211> 411

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10), (18)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9880

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<210> 9881

<211> 288

<212> DNA

<213> A.fumigatus

<400> 9881

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<210> 9882

<211> 1326

<212> DNA

<213> A.fumigatus

<400> 9882

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<210> 9883

<211> 366

<212> DNA

<213> A.fumigatus

<400> 9883

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<210> 9884

<211> 432

<212> DNA

<213> A.fumigatus

<400> 9884

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<210> 9885

<211> 333

<212> DNA

<213> A.fumigatus

<400> 9885

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<210> 9886

<211> 1368

<212> DNA

<213> A.fumigatus

<400> 9886

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<210> 9887

<211> 903

<212> DNA

<213> A.fumigatus

<400> 9887

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<210> 9888

<211> 1029

<212> DNA

<213> A.fumigatus

<400> 9888

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 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 9889
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<210> 9890
 <211> 807
 <212> DNA
 <213> A.fumigatus

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<210> 9891
 <211> 1227
 <212> DNA
 <213> A.fumigatus

<400> 9891
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<210> 9892

<211> 387

<212> DNA

<213> A.fumigatus

<400> 9892

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<210> 9893

<211> 486

<212> DNA

<213> A.fumigatus

<400> 9893

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<210> 9894

<211> 315

<212> DNA

<213> A.fumigatus

<400> 9894

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<210> 9895

<211> 258

<212> DNA

<213> A.fumigatus

<400> 9895

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<210> 9896
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 <212> DNA
 <213> A.fumigatus

<400> 9896						60
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<210> 9897
 <211> 615
 <212> DNA
 <213> A.fumigatus

<400> 9897						60
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ctgctcgcta	ggggtcgggg	gcaggggact	ggcgtcgcca	agccattggc	tggtgacggg	480
cgggcagctt	tgacagagctg	tgcttggggg	gggtgaggag	gctttattgg	tgcgggaggg	540
gctggcgctt	ttgttgatct	ggctggagta	gtacttgaag	tccggccatg	tgctgacgct	600
ggtgctgtca	acagcggaga	caagacctgg	atggatcagt	tgccggccaa	gactggatca	615
aagagcttac	cgtag					

<210> 9898
 <211> 741
 <212> DNA
 <213> A.fumigatus

<400> 9898						60
tccagtcatt	ggccgcaact	gatccatcca	ggtcttgtct	ccgctgttga	cagcaccagc	120
gtcagcacca	tgcccgactt	caagtactac	tccagccaga	tcaacaacaa	cgccaacccc	180
tccggcacca	ataaagcctc	ctacaccccc	accaacacag	ctctgcaaag	ctgcccagacc	240
gtcaacagcc	aatggcttgc	cagcgccagt	ccccgcccc	cgacccttaa	cgagcagctc	300
tgacactgca	tgagcaacgc	cgctcctgt	gtcgtcaagg	actccgtcag	cagcgacgag	360
tacggcgacc	ttttcagctc	tatctgcggc	tacactgact	gcaccggcat	cgcccgcaac	420
gtaccacacg	gcagctacgg	cgcttatggc	atgtgcaccc	ccaagcagca	gctcaacttc	480
ctgctcaaca	agtactactc	cgagcagagc	tctgcttctc	ccgcttgcaa	ctttggtggc	

tcgggcaactg	tcacctccgc	taccaaggcg	accggtgcct	gcagctccct	catgaaggag	540
gccggcaccg	cgggcaactgg	caccgtcacc	tccaagccca	cgggcaactgc	tgactcgtoa	600
ggctcgtctg	cttcttcgac	tagctcgtct	ggtacggccg	ttgctcttac	ccgcggtctt	660
gcggtgaccg	ttggctcggt	cgagctgggt	gtgtatgcca	tactgcgct	tctgactgag	720
gtcggcatgg	tcatgctata	a				741

<210> 9899

<211> 825

<212> DNA

<213> A.fumigatus

<400> 9899

atgcgtcaca	tgagattaac	ttcaacagag	gactattcga	gcaatggtac	caactgatggc	60
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ttccgggagt	taaacaccaa	caccatccgt	gtttacgcca	tcgatccac	tgctaaccac	180
acagagtgtg	tgcagatgct	ggccgatgcc	ggcatctatg	tcactctctga	tctctctgac	240
ccatcccagt	cgattgaccg	cagtgatccc	tcctgggaga	ccaccctcta	caaccgctac	300
accagcgtga	tcgacgccct	ggcaccttac	aacaacactc	tcggcttttt	tgcgggcaat	360
caggtttcca	acaccgtcgg	taccaccgat	gccagtgcct	ttgtcaaggc	ggcgggtgcg	420
gacatgaagg	catacatcaa	ggagaaggga	taccgctcaa	tgggagtcgg	ctacgcgacc	480
aacgatgact	cgtccatccg	cgtcaacatg	gctgactact	tcaactgcga	agacagtgcg	540
gagtcgattg	acttctgggg	atacaacatc	tactcctggg	gtgggtgattc	gtcctacact	600
gagtcgggtg	acagtgttcg	cacagaagag	ttccggaact	actccgtgcc	tgtcttcttt	660
gccgagtatg	gttgcaacga	ggtcactccc	cgcaagttca	cagaaatcga	agccttggtt	720
ggagacaaga	tgaacgatgt	ctggctgggt	ggtattgtat	acatgtattt	ccaggaggcc	780
aacaactacg	gtaagctctt	tgatccagtc	attggccgca	actga		825

<210> 9900

<211> 306

<212> DNA

<213> A.fumigatus

<400> 9900

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ttgacttctg	gggatacaac	atctactcct	ggtgtgggtg	ttcgtcctac	actgagtcgt	180
ggtacagtgt	tcgcacagaa	gagttccgga	actactccgt	gcctgtcttc	tttgccgagt	240
atggttgcaa	cgaggtcact	ccccgcaagt	tcacagaaat	cgaagccttg	tttggagaca	300
agatga						306

<210> 9901

<211> 402

<212> DNA

<213> A.fumigatus

<400> 9901

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tggagggcac	attcctccat	cctgatgacg	catccgtctg	cgagtttcgg	gatgtggcct	180
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gaacctgttg	ccgagagcgg	gcagaagaag	cgctcactgt	tcaaggtcta	cgccaaggcg	300
tggaggttgg	gcttgcatag	tcgcgcgaatt	attgcgtatc	gtggccgtct	ggaaccacac	360
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<210> 9902

<211> 483

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (306)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9902

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tcagctgttg	cggttaatgg	agttttggga	tttgtcatgg	ttgtcactct	ttgcttcacc	180
ctcggcgatg	ttgacagcat	cttgagtact	cggactgggt	ttccgttcac	ccagattttc	240
tacaatacca	ccaacagcta	cgcggaacg	aacactatga	cagcggtcct	ggtgatcacg	300
ctcacngcca	gcacaatcac	tgaagtccg	acggcattcc	cgcaactatg	gtcttttgct	360
cgagatcaag	gactgccatt	ttcatccttc	ttcgcttatg	tgagtcttac	gcccccaatc	420
tctgggcggc	gttactggtc	gccc aaatgc	aagtcaactc	cgggattgga	tattcccttt	480
taa						483

<210> 9903

<211> 264

<212> DNA

<213> A.fumigatus

<400> 9903

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aagcccagtc	actccattgt	tgagattgtt	tctgttgctg	gagtctccat	cttactgtgg	180
gctgtcgaat	actctcttat	cgcccttgag	cttctaagca	aaaagatggt	cgggtgtggac	240
caagggatca	ctatggcctt	gtga				264

<210> 9904

<211> 615

<212> DNA

<213> A.fumigatus

<400> 9904

gagtgtcttt	ccgcttttga	tcgagctctt	tttgacgatt	ctagggctcc	aacctccgga	60
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attaccggta	ggcatcaaga	cctgggtgtt	tcgcgggcgg	aactgacgtt	gataggatgg	180
ctcagtgcaa	ccggatggca	gtgcgctatc	gtatctattg	ctttcctcgc	tggcacgata	240
atacaagggc	tggtcgttct	aaacgacca	acctatgagt	ttcagcgggtg	gcacggcacc	300
ttgtttggtg	tggcaataac	aaccttttca	atattgttta	acacgttctt	agccaaaaac	360
ctacccatgg	tggaaggact	catcctgatc	attcatgtgg	tagggctggt	cgccatcatt	420
atccccctct	gggttcttgc	tcctcgaaac	agtgcgaaag	cagtgtttac	agagttcaat	480
aacgctggag	gatgggatag	tgacgggact	gccactctgg	tcgggtctctc	caccactatt	540
acagccatga	taggctatga	ctgttcgggtg	cacatgtgta	agtgtgtctt	ttttttcttt	600
ttttcgtttt	actga					615

<210> 9905

<211> 1428

<212> DNA

<213> A.fumigatus

<400> 9905

aaccgccttg	cgtggaaccg	gaacccggaa	acaccactcg	gaattagaac	caagcgcata	60
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ggttacgcaa gaaaggggaa agagttcgaa atcttgagga attttcgtgg agtgctacac 300
ccgggagaga tggctcctgt tctggggcgt ccaggatcag gctgcactac attcctgaaa 360
acgatcacaa accagcgttt tggctatact agcatagatg gcgatgtcct ctatgggtatt 420
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gacgttcacg agcctacgct cacgggtcaaa cagaccttgg gatttgcgct agacacgaag 540
accccgggaa agagacctct ggggggttct aaggccgagt tcagagagaa agtcatcaat 600
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tcttggatta cgtccaccgg agttgccatc attctaggta cagtttggct gcgactgcga 1380
aaaactattg gcaggagcat ttaccagggg tggtttactc ttcattag 1428

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<210> 9906

<211> 1479

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (89)

<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 9906
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atgggtcgct ctatcgtcaa taaacaccgg caatttacct tctatcggcc aagtgccttg 180
tggattgcgc aaattctggt tgatacgacg tttgtatttg cacgaatcct cgtcttcagc 240
attattgtct attttatgtg cggcctggtc ctcgatgcag gcgccttctt cactgtcatc 300
ctgattatcg tgctcggata cctctgcatg acttgcttct tccgtgtcat tggctgcatg 360
agtcctgact ttgactatgc catgaagttt gcgtctgtgg tgatcacact gtttgttctg 420
acgtccggct acctcataca atggtctagc gagcaagagt ggctgcgatg gctgtactac 480
atcaatcgtg tcggactggg gtttgccgcg ctgatgggtg acgagttcaa ggatctcacc 540
atgacatgca ctgcagactc gttgggtacc agtgggcccg gctacgacga catggcaagt 600
cgcgtgtgca cacttgctgg tggtagacca ggctcgggtc ttattccagg tcgagcttat 660
ctagcaaaaga cgttcagcta cttcccaggg gatctatggc gaaactttgg tatcatggtt 720
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gctggaggga ggaccgttac cttctaccaa aaggagaaca aggagcgcag agcgttgaat 840
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tcgggtactc gccgcctcct tcaatctgtc tacgggtacg tgcagccggg caagctgacg 1020
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cgagaggcat tacgcttctc ggctgacctt cgccagcctt atgaaacacc acaatctgaa 1260

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aagtacgagt	acgtcgaggg	catcatccaa	cttcttgagc	tcgaggatct	tgccgatgcg	1320
atcatcgga	ctccggagac	cggcctctca	gtcgaggaaa	gaaaacgcgt	cactatcggt	1380
gttgagctcg	ctgccaaacc	tgaacttctt	ctttttctgg	agaacctacc	agtggcctcg	1440
tcttcaccac	agcggggcga	ccgatccgag	ctaagcatt			1479

<210> 9907

<211> 687

<212> DNA

<213> A.fumigatus

<400> 9907

cttcttgaca	catacactct	caaaaacggcc	ctttcctccc	tcctcccggc	accagctcca	60
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ctgcaagtcc	agccctcgcc	ccccgaagcc	ctcgtccaag	catatctcat	ccatatcgcg	180
gaccgcaaca	atgcaaattt	ccgcaagatc	ctcgacctta	agggcatccg	cagccgccag	240
gagcagaatc	agctcgtgga	actattccag	gtccatcgca	cctccgatcg	ctacgcctcg	300
aatcttcagc	agagcaaccc	cgctcctagc	gccatgcaga	ccactcctgc	cctctcgtcg	360
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tccaatttga	acgagaattt	gaagaatatt	gggaaattct	tcaggagaga	tctgggaggg	660
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<210> 9908

<211> 318

<212> DNA

<213> A.fumigatus

<400> 9908

ctctttgatg	ctttcagcag	cgccatcaag	accatcacca	cggctctcct	ggcccttaac	60
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gtcgccatcg	agaccgacta	cagctggccc	gagattgagg	agctcaagga	ccgtatcgcc	180
aaccctgacg	cttacgctgc	cgctgctcct	gtcgccgccg	cccctgctgc	cggcgggtgct	240
gctcctgctg	cggaagagaa	gaaggaagag	gaggccgagg	agtccgacga	ggacatgggc	300
ttcggcctct	tcgactaa					318

<210> 9909

<211> 201

<212> DNA

<213> A.fumigatus

<400> 9909

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aacatggctt	ctattcagaa	ttttttgctc	cgacgttccct	ctgatgactt	actgtacata	120
gattacttat	ggcaagaaat	ctatcagcct	ttctctgtgc	ttcagtctcg	tcttcttttc	180
ttcaggttga	tatcagattg	a				201

<210> 9910

<211> 1401

<212> DNA

<213> A.fumigatus

<400> 9910

ctgggccttc	taaacgctga	cttggtccac	acagtatggg	tcaatgggtg	gccgggttgt	60
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<210> 9911
<211> 183
<212> DNA
<213> A.fumigatus
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<210> 9912
<211> 207
<212> DNA
<213> A.fumigatus
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<210> 9913
<211> 357
<212> DNA
<213> A.fumigatus
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attactatgc	tectagtggc	tcacgcaaag	ttatcaccac	tggtcaatca	tacattgcta		180
gcgtctacgt	ttatcaaaat	agtggctatg	aatacttgta	gggcctgat	ttacattctt		240
caagtaccag	aaaggctggg	ggaactagtc	tccagcaaac	ttttgctgca	ctgcattggt		300

gtctattcag tgatgggtgct gacagacaac attttgaccc cttctatgga cgcttaa

357

<210> 9914

<211> 705

<212> DNA

<213> A.fumigatus

<400> 9914

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tttaagttcc	tgaggttgat	cgaaggcggt	ggacattggg	cgccacagga	gagcccagag	660
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<210> 9915

<211> 597

<212> DNA

<213> A.fumigatus

<400> 9915

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cagggtcatc	aaaccgcctt	catctacatc	aacctggggc	tgggcacaat	ccctccgaac	180
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agctttgggtg	aggctcttcac	aacaacgctc	ctcacatcag	cagcggctcc	caagtcgtcg	540
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<210> 9916

<211> 195

<212> DNA

<213> A.fumigatus

<400> 9916

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tatattgtgt	ataattgctc	agcaatcgta	catgaagcta	gtcatacatg	gaagccatcg	120
tctagtgtct	tggacaagga	gcaagggttc	tcggccgaag	ccatccaaac	ccatgcccga	180
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<210> 9917

<211> 1065

<212> DNA

<213> A.fumigatus

<400> 9917

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caacactttc	caatgccaat	tggtccgcct	cagtcggtac	acatctcagt	cctggagcgc	420
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ttatgtcgtg	cattgagctc	ttcttctct	cagttcagca	tcgtggatgc	ccggaagggc	780
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acgtcgtcga	gtatcgccaa	tacgtatatc	ctggccgcgg	acaaggaagt	gacctcggcc	960
atgttactga	gcgagattat	cgacggcatt	cgcagacggc	cctacgagag	tgagcctcga	1020
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<210> 9918

<211> 1215

<212> DNA

<213> A.fumigatus

<400> 9918						
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<210> 9919

<211> 1287

<212> DNA

<213> A.fumigatus

<400> 9919						
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aatctgctgt	ctcagatggc	cttcgtgggtg	gagagaatgt	caatgaggca	tgcacctgct	180
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<210> 9920

<211> 696

<212> DNA

<213> A.fumigatus

<400> 9920

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attaagctga ctctggccg cgccttcaact cccaccactg tgaccctgtt agcggatgcc 180
aactttgtgc acctcgagca ggaaatccct gcaaattggg cattccgcat cttcatcttt 240
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cccgaaaagg gaggtgttgt agtactcgt cccgacagcc acgttgccctg cactgtgcaa 600
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aaacccttgg gccaggacca gcaaagccgt ctataa 696

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<210> 9921

<211> 195

<212> DNA

<213> A.fumigatus

<400> 9921

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tggtatgatt atgacgagaa agccggggag gaggtctcca tcaaggaaat caagtggag 180
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<210> 9922

<211> 237

<212> DNA

<213> A.fumigatus

<400> 9922

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<210> 9923

<211> 273

<212> DNA

<213> A.fumigatus

<400> 9923

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gaattcgcca	agactttgat	ttccgaactc	ttcaagcaca	ataactatgc	ttcttttggt	180
cgtcagctga	acatgtacgg	attccataag	aagggtgggc	tgtccgacaa	ctcgatgcga	240
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<210> 9924

<211> 264

<212> DNA

<213> A.fumigatus

<400> 9924

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gagatgaagt	tgaagatgaa	gagatacctg	gagggattcc	ccttcccata	ctacctgggt	180
gttcgtgacg	ttcgggagtt	accggctgtg	ctggctacgg	cgttgaaaca	atggtttgca	240
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<210> 9925

<211> 2262

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (271)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9925

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cccgaacggg	acatactccg	acacaaggaa	gattttatcg	tcaatgagaa	cctgaaacgg	240
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gatgggctgc	tctgcgatgt	taccgagact	gcgatcaatg	attggtggac	cgagtttggg	480
attgatctat	acaacatcga	accaagtgcg	ggcgtattag	ggccgacaa	tgtagcggcg	540
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aagatggaac	ggacacgcag	actggaccgt	caaacgctcg	atcggcttca	ccgtgtaact	720
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cctgaaacaa	gaatgaaagg	attgataaag	aacgaggaag	agaaacaaaa	caattcatgg	2220
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<210> 9926

<211> 327

<212> DNA

<213> A.fumigatus

<400> 9926

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taccttgacc	tcatacaggaa	acgagcaaac	ggaaccctct	ggacaggagc	tcgggtggatt	180
cgcgagtctg	ttgcctctca	tccttcgtat	aaacaggaca	gcgtggatc	tgaagagatc	240
tgtctacgacc	ttgtgaaagc	tgttgaagag	atgaccgtaa	aggaaggcag	ggatgggagt	300
gtcggatggc	aattactgag	gggctaa				327

<210> 9927

<211> 636

<212> DNA

<213> A.fumigatus

<400> 9927

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ttctacacca	gcacctccaa	tcaattccac	aagtcacaaa	tgtgttgagc	actaccgaat	180
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gactctcgaca	agtactgcgt	caaggcagga	ggaatggctc	tctggccacc	gccaccacgc	360
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gtgtggggcc	cgttcagggc	gaagatcaat	gggggtgtgg	accatgtcgg	tgtcgaactg	540
ttcgtcctcc	acaagattaa	tgggggatgg	aaggtgactg	gcctggccga	ttcgtgtcga	600
cggccccagg	acgacgagaa	aatttccactg	gtctga			636

<210> 9928

<211> 336

<212> DNA

<213> A.fumigatus

<400> 9928

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gcaaacacga	gctcactcgt	tgggtggagt	attcagatta	tgtttgtcat	cggtaggatt	120
tatctcgaca	tattcgtgca	caagacgcaa	aacattaatc	atatcgctct	aggttcattg	180
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ggcttatgtt	cttgcttttt	gatgcttgcc	atcctgtctt	cgttcgaacg	tatcttcaag	300
tctcctttcc	gagcaattca	gcgctttaac	gtttga			336

<210> 9929

<211> 198

<212> DNA

<213> A.fumigatus

<400> 9929

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gtggccatga	tactcccat	cctccttgag	aagctgcgct	ggaagaccta	tctcatcttc	120
atgtgtctta	acttctcctt	tatacccgta	agtggagccg	actatcccag	tccactgacc	180
ctgaccgtca	tgtactaa					198

<210> 9930

<211> 183

<212> DNA

<213> A.fumigatus

<400> 9930

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tga						183

<210> 9931

<211> 216

<212> DNA

<213> A.fumigatus

<400> 9931

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gatacctaacg	actatactcc	cttgattgta	gtaagtaaac	tatcccttga	ggatcgccgg	180
aatgtgaaac	ccgggagttt	gcctttatca	ttgtga			216

<210> 9932

<211> 966

<212> DNA

<213> A.fumigatus

<400> 9932

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gattgtctct	ctgaggttct	ggagattgtg	ctaattgttc	tgtacacgga	aagggcggat	900
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ttataa						966

<210> 9933

<211> 633

<212> DNA

<213> A.fumigatus

<400> 9933

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caacgacaac	agctggctga	ttctagtggc	gtcgacaaag	acttggtaga	gattaccgat	420
aaagtggaca	caatgggcat	tcaaagtcag	actctgcccc	tgggcgcaga	agcagaggtc	480
acgcctggtg	aaatgattag	agaacaaggc	cccatcatcc	ggactctgga	tggagaaatt	540
gctggcgatg	aattcagcaa	ggatgcatc	aactaccaga	tctcatgga	gaaactggat	600
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<210> 9934

<211> 189

<212> DNA

<213> A.fumigatus

<400> 9934

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gagcacgaat	tggaggacaa	cgctgcatgc	tctctggctc	aaagcatgtg	tttgaactcc	180
agcaaatga						189

<210> 9935

<211> 327

<212> DNA

<213> A.fumigatus

<400> 9935

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gaaggattga	ttggtgcat	attctacgag	cccaaccggg	cgtttgaact	gtcaaccttg	300
gctgaagctg	agcacggcct	cttttga				327

<210> 9936

<211> 306

<212> DNA

<213> A.fumigatus

<400> 9936

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aaatggaaac agaaggatth caagcgthtt ctgtgctccg gcattaaaag gtcgcccgcg      180
gacgctaagt ctgcgcaacg aaaattagga tcgtggcatc aatgttaccg gcttgacggg      240
aagctcatag cggttgcggg tttggacttg atgccaagtg gtgtgagctc cgtctatatc      300
ttgtga                                           366

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<210> 9937

<211> 366

<212> DNA

<213> A.fumigatus

<400> 9937

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gaacgaaatg ctaataggat ccgagacccc gagagctaca cctgggaccc gcttgacggg      60
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gccgcgcagg gccagccaga atctacggag ctggattcgg cggaggaaga gatcaacgac      180
gaggagatgt ctctgtttga cctgcacatg cccggagtca tgactctcga tgaggtaaag      240
acgctagatc tggaccactc gtcctcctc gtgcagggtc cgcttattca tatgatgggtg      300
agacgctctt attgccggtg catccaagct ggccctgctaa catggctgga ctctaggatc      360
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<210> 9938

<211> 846

<212> DNA

<213> A.fumigatus

<400> 9938

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ccaactcctc cttcaaacac gctactaata accgacctcc acgacctcta cctctttcaa      180
ccggcctccc tcgcttccat ccgctcccag atcgagtcca tcgccccctt aaactccttc      240
tccccgtccc cctccttgcg gcgcacgtgc tgctcctttc actcagaaga cgacgccttc      300
cgcgtccgca aactcctcga cggccaatcc tcctccaacc gcaacgtctg cacaagatc      360
tacttcggcg aaccacccc gctcctcgac gaggttcgcc ccaaactcct cgaggccccc      420
cacctcgaca agctcttctt catcagtcgg ccccggagcc cgccacacgg ctgggtcatg      480
cgcaccgagg atccccccaa caaggaggtc cacgccagt atctcgccca ggcgcttgcg      540
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tcgatgtctg acgagaagcg gacggggagc tggcccatcg ccatgtcagg gcagcgcagt      660
cggagtagta cgctgatcta caatcccag gatcatgggt gtagtcccgg tttaccggcc      720
gtgatgggtc aggatacgac agtcgattcc gacgatgagg atatcgagat gatgagtcgg      780
attgacatgt cggttagaaa gctgccgcgg aagacggcac gcccgccggg tgagttgatg      840
cattga                                           846

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<210> 9939

<211> 444

<212> DNA

<213> A.fumigatus

<400> 9939

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actccttctc cccgctcccc tccttgcggc gcatcgtctg ctccctttcac tcagaagacg      60
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caaagatcta ctccggcgaa cccaccccg cctcgcagca gggtcgcccc aaactcctcg      180
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<210> 9943
<211> 978
<212> DNA
<213> A.fumigatus
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<400> 9943

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aagtaccctg	tatgcttcgg	ggggggcggtg	agggcggttaa	tgccaacacc	ctttgacaaa	180
ggcatccaag	tcgaccatt	ggatttcgaa	ggtgtggccc	agggggggcca	gaccattcct	240
accgatgatg	aggacgctga	gggcaatggt	catgggacgc	actgctttgg	aaccattgcc	300
ggccggaagt	atggtgtcgc	taagaaggcc	cacctctacg	cgtcaagggt	cctcagatca	360
agtggctctg	gtaccatgtc	cgatgttgtt	gctggcgctg	agtgggctgt	caagtctcat	420
ctcaagaaag	ttaaggatgc	caaagacggt	aagatcaagg	gattcaaggg	cagtgtcgcc	480
aacatgagtc	ttgggtggtg	caaatccagg	acgcttgaag	ctgctgtcaa	tgctggtgtt	540
gaagctggtc	ttcacttcgc	tggtgtgtgc	ggtaacgaca	atgccgatgc	ctgcaactac	600
tctccagcag	ctgccgagaa	tcccattact	gttggtgcct	caacactcca	ggatgagcgt	660
gcctacttct	ccaactatgg	aaagtgcact	gatatcttcg	ctcctggtct	caacatcctc	720
tccacttggg	ttggctctaa	gcacgcagtc	aacaccatat	ctggcacttc	gatggcgtct	780
ccccacattg	ccggtctggt	ggcttacttt	gtgtctctgc	agccttctaa	ggactctgcc	840
ttcgctgtag	atgatctcac	tcctaataag	ctcaagaaag	atattatcgc	tattgtctacc	900
cagggcgctc	tcacagacat	cccgtctgac	actcccaacg	taagttacca	cttcggtgat	960
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<210> 9944

<211> 1239

<212> DNA

<213> A.fumigatus

<400> 9944

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tacgccaacc	agcagtctcc	tgacggacct	gctatgacgt	gggctatatt	tgcaatcact	120
gcaaagtatg	tctcaccatc	cggctgctct	gcctatacct	accatcagga	ctcttacgac	180
ccgtacatga	gagctccggt	ttaccaactg	tccgaacaga	tgatcgatga	cgccgggtatc	240
aacgggtggca	ctcacccggc	ttatcccttt	ttgacaggac	acgggtggtgc	caaccagggtc	300
gtcctcatgg	gatacctggg	cctgagactg	cttcccgatg	atgccattca	tatcgacctc	360
aacctgcccc	ctcagggttc	caacttgaag	taccgcacgt	tctattggcg	cggatggccc	420
atttctctga	gctccaaccg	caccatacgc	actattatcc	gagcggcaaa	ccttgcgcct	480
ctcgacaacg	cagactctcg	ctttgccaac	gcctccattc	ctgtcttggg	tggcgacccc	540
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aatgattatg	ctcccggtca	gttccccatt	gcggcgctcg	acgggtgcaac	ttttaccaag	720
tggcgggcctt	ccaccgcca	catgagctcg	ttgaccggtg	ccctggccga	cgctcgagatc	780
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aactcccgat	acagggtcgt	caccacattg	acaaacatcg	aacaatctca	gccttatgac	960
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ggcggcgagg	aagggtgctac	tggtgtgtgag	tgggctatcc	tgggtgagag	caagggatcg	1140
tcgagtggtc	acggcaacaa	caagagaagg	ctggacgtca	gggctgctgc	tgctctgtct	1200
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<210> 9945

<211> 861

<212> DNA

<213> A.fumigatus

<400> 9945

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ctcccgctcg	atcgagagaa	gacgacgctt	gtcatcgggc	cgaacgcaga	tcttgcggcg	120
tactgtggcg	gcggctcggc	gtcgctgctg	gcatattaca	ccgtgactcc	ccggcagggg	180

atcgcgggata	agtgcgggcgc	cgagcaagtc	gtcttttcgc	agggctgcta	cgggcacaag	240
gagctgccgc	tgctcgggga	gcatttgagg	acgatcgaaa	ctgggcagcc	cggatatacg	300
ttccgggtgt	atacggagcc	tccgccgcgc	tccgggagct	tcaagggcag	cgacagccgc	360
acgcccgtgg	acgagttgca	catgacgaac	agttccgcgt	tcctgatgga	ttacagcccc	420
ccgcagattt	cgggggatac	gtactatgcc	acgctggagg	ggacatttga	gcccccgag	480
agcggcgtgt	atgagtttgg	gctgacgggt	gccggcacgg	ggctgctgta	catcgacggg	540
gtgctgggtg	tcgacaacaa	gacggtacag	cgcgcgggca	cgctcctttt	tcgggatcgg	600
gacggtggaa	gaacgcggcg	agcgttacct	cgaggcgggc	aagaaacatc	atgtctttgt	660
agagtccggc	acggcgccga	cgtcgaacct	gcagcaccac	cacggcgtgg	tctcgtttgg	720
gccggggggc	cttcggctcg	gtgggtgccg	gaagctggat	acagatacag	cgatccagca	780
ggcgggtgcag	tcagccgcgc	aggcggacca	ggtcgttgtc	tgtgtggggg	tgagcggcga	840
ctggggagagc	gagggccttg	a				861

<210> 9946

<211> 474

<212> DNA

<213> A.fumigatus

<400> 9946

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tacctcgagg	cgggcaagaa	acatcatgtc	ttttagagag	tcggcacggc	gccgacgtcg	180
aacctgcagc	accaccacgg	cgtggtctcg	tttggggccg	ggggccttcg	gctcgggtggg	240
tgccggaagc	tggaacaga	tacagcgatc	cagcaggcgg	tgacgtcagc	cgcgcaggcg	300
gaccaggctg	ttgtctgtgt	gggggtgagc	ggcgactggg	agagcgaggg	ctttgaccgg	360
ccgcacatgg	accttcgcgc	gggggaggac	gatctcgtca	acgcgggtgc	agcgggtccac	420
cccaacgcgc	gtgattgtcg	tgacagagtg	cacctctgtg	aagatgccgt	gggc	474

<210> 9947

<211> 459

<212> DNA

<213> A.fumigatus

<400> 9947

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agtgcgcgct	caaccccaca	cagacaacga	cctgggtccgc	ctgcgcggct	gactgcaccg	120
cctgctggat	cgctgtatct	gtatccagct	tccggcacc	accgagccga	aggccccccg	180
gccccaaacga	gaccacgcgc	tggtggtgct	gcagggttca	cgtcggcgcc	gtgccgaact	240
ctacaaagac	atgatgtttc	ttgcccgcct	cgaggtaacg	ctcgcccgct	tcttccaccg	300
tcccgatccc	gaaaaaagga	cgtgcccgcg	cgctgtaccg	tcttggtgtc	gacaaccagc	360
accccgtcga	tgtacagcag	ccccgtgccg	gcaaccgtca	gccccaaactc	atacacgccg	420
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<210> 9948

<211> 330

<212> DNA

<213> A.fumigatus

<400> 9948

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aagccctcgc	tctcccagtc	gccgctcaac	cccacacaga	caacgacctg	gtccgcctgc	180
gcggctgact	gcaccgcctg	ctggatcgct	gtatctgtat	ccagcttccg	gcaccaccgc	240
agccgaaggc	cccccgcccc	aaacgagacc	acgccgtggt	ggtgctgcag	gttcgacgtc	300
ggcgccgtgc	ogaactctac	aaagacatga				330

<210> 9949
 <211> 534
 <212> DNA
 <213> A.fumigatus

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<400> 9949
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gaagtaagggt cttggttctt gaaggagctc acagttgacg tgccactcat gaagattctg 180
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gtgggtgaca atgactctgt tgaaacagtg ggatcaaaga tgaatggcat taacagcgct 360
catgaaaatg gttctagtgg tgtcaatggt atcagtggtg cttatacacc tgatatggat 420
agcactacag accttaatgg tactaatggg gctgcagtta tcaaggaaat gttagggcat 480
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<210> 9950
 <211> 1212
 <212> DNA
 <213> A.fumigatus

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<400> 9950
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acttggaaaca cttccaagggt agcttctccc ccattccgga agggatccga aggagttcct 180
tggcgggtgga tcaaaaatgct ccatttacgc atcgcgtccgc tccccgtct ccaaccggca 240
tcatccatcc ccacccagtc tgccctcctt tccgacttcc acaatgaaga caacagcaac 300
gatgacgact ccgctgagga cctcttctct gccttccctc ctcattcttt ccccgacgac 360
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gacctcgaga tcatggtgcc ctcataccgc agccagagcg agcgccgctc ggaagagatc 480
gcggtctggc tgccgtcaga agatggcagc gtgaatgccg tcgacgaggg ccgcaagcta 540
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accttgcca cgcgcggtga gctcgacgct gacacagcca tgtggatggt gcgcggcgag 660
cgtgtgctgg aactcggcgc tggcactgcg ttgccttcta ttatatgtgc acgtgcacac 720
gctgctgctg tcaccatcac tgatcaccca tcgtcgctg cattaaccgg tgctattgac 780
tttaacattc gtcgtaatct agcagcgaca gaaacagaag tcatgagcca gccgcatgaa 840
tggggcatgc tggaaccaga cccgtgggccc gttgctgacc gcggtgcctt caccgcgac 900
actcgggctg actgctactg ggtgcgctcg cagcatgaga acctggtgcg ctcgatgaac 960
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gagcgggcat ttattgccac cagcgaggat gggggcgagg tgcggcgtga gtggatgcct 1140
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aggagagagt aa 1212
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<210> 9951
 <211> 204
 <212> DNA
 <213> A.fumigatus

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aaattcctat tcttacaagt tattataagc ctactgcttt caaatttaag acttagaata 180
gttcctttac cctttattca gtga 204
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<210> 9952

<211> 210
 <212> DNA
 <213> A.fumigatus

<400> 9952
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 agggcaaagg tcttgaaga gaagctgaag cgggagcgtg tgaggaaccg tgccttggtc 180
 ggcgttacgg ctgtctttgc acttgcgtaa 210

<210> 9953
 <211> 837
 <212> DNA
 <213> A.fumigatus

<400> 9953
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 ggcgatacga tatcgacgat agatggacta ggatcgggtg gtctgaacgg cgagggggcg 180
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 aagattctga cggcatatgc gactaagggtc gggaggcagc cgatcgtggt caatttggat 420
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 aagctgccgt tagtttactt ctatccgttg cagaatccgc ttgaggctga gggtgccgtc 600
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 ggtagtcttg agattatcaa ccatatcggt acggagtttg caagtaaggc tcccttctctg 780
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<210> 9954
 <211> 570
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (534), (537), (541), (557), (561), (562)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9954
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 caacaatctt caagacgtat ctcccgtgtg tcttaciaaag aggattgggc gaaccttgac 180
 gagtatggca agcttgtgaa gtacgtctcg acctaccgag agcctggcag ggaggagggc 240
 gtcgaggaag aaaaagtga gcgagtgtgg tacgtccgt ggaagaagcg caaggtcaaa 300
 gttaagcatg tagataaaga gccgggccaa tttccgccag aatggcttat tacagacatt 360
 cgtcaaggcc tgcccagctc ggaagttcct atcagacgtc gtgtctcagg atggaacgaa 420
 ctcatatctg agaaggaaaa cccgatcgcc aagatcctgt cctatttcag aggtccaatt 480
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 nctacgggccc cgggcentaa nnaagtaaat 570

<210> 9955
 <211> 429
 <212> DNA

<213> A.fumigatus

<400> 9955

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cagtttgcaa	aagaggccgg	gtgtggccga	tcagcatctg	ccagatccaa	gcacaagacg	180
acttttgact	gcctagttgc	cgcgccctagt	gagacactgc	aaactgccag	cggggctgtc	240
tccggtctg	gaatctttgg	taccttcgcc	tttctccccg	ttgtggatgg	tgatatgac	300
cgtgcgcgac	catcggtgca	gttactgaca	ggacaaatca	gcggtcggcg	tatccttgtc	360
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caactgtaa						429

<210> 9956

<211> 762

<212> DNA

<213> A.fumigatus

<400> 9956

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gttctctatg	gtacggcgga	ctcacaggca	agcgacgacg	gacctcgctt	tgatacccta	180
ggcacctccg	gtccgactgc	gaataatcag	tccgaaatcg	ctacgggggtt	gcaacagaca	240
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ggtgccgac	tcaactccta	tttcaatatg	ggggcctcct	ggcccaatgc	tggattcaat	420
cacgctttcc	agaagatgtg	gggtaacttc	atcatgaatg	atagtccgg	cattcctctt	480
ggcgacgcga	cggccaacaa	cagccaagcc	gtcgttcctg	tcggacgaga	tggatcatctg	540
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agcgtgagta	aggttgtggt	cacaccaaac	ttgacctact	acgtccggga	gggagacgac	660
atcgtcaatc	acttccggtt	ggccaatgca	tactcctggg	aagggggccg	tggacttcgc	720
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<210> 9957

<211> 264

<212> DNA

<213> A.fumigatus

<400> 9957

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ggcgacccca	aacgagtcac	cattggcggc	gaatcggcgg	gtgcaggtgc	ggtaatgctg		180
cagtcactgg	cgtatggagg	agcggaatcg	aatctgttcc	agaatgtaag	cctcattact		240
ccatctcggc	tcgcctggaa	ctga					264

<210> 9958

<211> 738

<212> DNA

<213> A.fumigatus

<400> 9958

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catgacaagc	ctcagaagct	cacttacaca	catgagcgtc	tcttcatcca	ttacatcgca	180
gattcaccct	cgggctcttc	agacgatgcc	ggctcgtcagg	aacccaactc	ctatgcacct	240
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ctcgagatga	aacgcaagtt	cctatcgacc	tacccccctt	cgagcactga	tttctcttct	360

ctccctgcat	acggctgcgc	cgttttcaac	tggagcttc	gttctcttct	ccagacatac	420
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gtcgataaga	ctgatcggct	cggcggcagc	gcgcacgact	tccgagtgcg	tagtcgcggt	600
ctgcggcggc	ggatgtgggtg	gaagaatatc	aagctgatgg	tgcttctggc	tgttgtgggtg	660
gtcttctctca	tctatctttt	cgtcggatatg	ggatgcggct	tgccagcttg	ggggaagtgt	720
gttgggcaca	gtgcgtag					738

<210> 9959

<211> 426

<212> DNA

<213> A.fumigatus

<400> 9959

ctcaagctcc	attgtgcgcc	ggaagacggc	ttcatcatca	aagctgtttc	agaaacagcc	60
agtcctgaga	catcgagac	gtacgggctg	cattcaatga	ccgtcaccgg	acccggtgca	120
gaaggataca	gcaccttctt	cgccatcgct	tgcgcgaccg	cagtgtatcg	ggataagaca	180
tcggtccgct	tgcgagctgc	tagtgaactc	agaaggctgc	tcgctgagat	ttatcacacg	240
agagtcacaa	acggacagta	ctctcagctc	cgtggggctg	tggctgttgg	tcaatccgtc	300
cagttcttca	actggggcga	ggatgggttc	ctaaggggtg	ttccctgggc	gacacatccg	360
ttcgatatca	aaagcgacca	ttacgctgtc	caaggttgct	ttgacctcat	cgtccaaaat	420
cattga						426

<210> 9960

<211> 1497

<212> DNA

<213> A.fumigatus

<400> 9960

tctaactctg	ttcttcttct	ctttctcttt	tttattctga	tatactttct	tcttcaacaa	60
tatttcctac	ttttcttaac	ttctgttttt	gcttttgtac	acgtttctgc	catcatgagt	120
tctggtatcc	caccttggcg	tactaccgca	tccgcgactg	ctacgaccgc	tcactttcct	180
gcacatggta	tgtgtttttt	tactctaata	tctttgtatt	taatttctaa	ttgtgaccta	240
gcaaccctcg	catatatccc	tgttcaagca	cgtcgtagct	ttgctcatac	atccaccacc	300
gccatggtac	ctcagccgca	gccaacgaca	actcaagcac	ctcgaaaacg	agtagaatgg	360
ccagccccc	ttcgatcata	tgtacaacga	agcttcgcgc	ctgagaacca	acttcttgga	420
gtcaaccggc	aggagatgga	ggtgaaactg	aagggtgtta	ttactgaggc	ggcgggagaag	480
ggtcagctgg	agaagatcaa	ctgggatgca	ttgcccctac	cgcaagtcat	gattcaaaac	540
gagcggaaac	agattcttac	caaccagct	gtctctgggt	ggagtgattc	acttttaact	600
gctgctcaga	aaccggacac	cgttaccgag	gacgtttcta	gaaaaaggaa	atcggctgag	660
tacggggaca	aagacagctg	tccaccatgg	aggcagacta	acaaccatca	tgcatttgga	720
gatcgaacta	cttatccctc	agcagacaag	cgtcagcgtg	ttgatcataa	gaaccccagt	780
aagtcaaaaag	ctaactctgga	aatgcggagg	aaacgtttcg	aagaaccgcg	ggccagggtat	840
ggctcttcgc	catctctatc	tcgtggggaa	tcccagcgc	ccagtgccaa	tcagggacct	900
gttgttgga	ggtgccagga	gctagagaag	aactacttcc	gcttgacttc	agcgccaaac	960
ccagacaccg	ttcgaccgct	gcatgttttg	cacaagaccc	tggatcttct	gaaaaagaaa	1020
tggaaagaag	ataacaatta	tggatatatt	tgcgaccagt	tcaagtctct	gcgacaagat	1080
ctgactgtcc	agcacatcag	aaatgagttc	actgtcagtg	tctatgagat	tcatgcccg	1140
attgcgctcg	agaagggaga	tcttgggtgag	tataatcaat	gtcagacaca	gctgcgagct	1200
ttatatgccc	aaaatctcgg	tgggcaccct	acagaattta	aggcgtatcg	tattctttac	1260
ttcatccaca	cccgaattg	gacggctatg	aacgatgcgt	tggccgatct	aacagcagca	1320
gacaagcgtg	atcctgctgt	caaacatgcc	ttggatgttc	gctcagccct	tgccctggga	1380
aactatcatc	gtttcttcca	gctttacctc	gacacccta	acatgggggc	ttatctgatg	1440
gacatgtttg	tggaccgcga	gcgactttcc	gcacttgcag	ccatttgtaa	agcgtaa	1497

<210> 9961

<211> 654
 <212> DNA
 <213> A.fumigatus

<400> 9961
 gccacattgg attcgtcctt tatgtcaaag ctggacggct atctaaagtc gctagttgct 60
 cgtcggtcgc tggtcgacaa cgtgacatcc gggttttcta ccgcggttga ctccgttgga 120
 agcgtcggta acactgccag cgtgcacag actctgacgg acgtggctgg gagtgcggca 180
 agtactgtag ctagtgtagg ggaggatata acgagcgcca ccaataagac tttggtgaat 240
 gctgtagacg ctgctctgtc caggacccgc gccgactatc cagacttttt gattgttggc 300
 ttgtggagtt attgcaacgg gagcttcgac ggcagtcaca ccccgatagt aactaactgc 360
 tccacgccaa gtaccacctt ctcgttcaac ttttcaggcg cccttggctt agacagctca 420
 tgggtagcct ctatctttcc gtctgtctta caagatgcaa ttgactatta ccacaaattc 480
 accaactgga tggctctcggc ttggatcatc acagttgtct cgacggtcct cgttttgctc 540
 gcgggactca ccgcttttgg gtctcgggtg ggtagtctga ttacgagctt ctgtgccgtg 600
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<210> 9962
 <211> 768
 <212> DNA
 <213> A.fumigatus

<400> 9962
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 gacccattaa ctttgtggat gagcggaggc cccggagtct cgagtatggt tggcctgttc 180
 caagagattg gccctgtct cgtgaatgaa tacggcaacg ggacctacca caaccctgg 240
 ggggtggccc gctactcatc gctccttttc gttgatcagc ctgtcgatgt gggcttctca 300
 tacgttgatg gaggacatga gctgcctcgt gactcaaaag aggcagcggg tgacatgcat 360
 cgctttctgc agctgtttgt ctctgaggtg tttcctcacc tgcaggatct tccggtccat 420
 gtttctgggg agtcatttgc ggtatggaag atgctttcat ttccccgtac aaaccatact 480
 gacattccag ggtcactata ttccgtacct tggcgctcag atcatacagc agaacgagct 540
 gtagcccagc cagccacagg tgccggtcaa aacgctctgc accacgaatc caggtgtgga 600
 cccgagggat acattcttcg ggtactggga cgcgctcgca tctcatcgcc tcgaacatgc ctcggtgcat 660
 aaagcccgtg ttcaaccaga cgcgctcgca tctcatcgcc tcgaacatgc ctcggtgcat 720
 ggaagtcagt gcagtgtgtg tccagaatcc agatccggct ttgtgtag 768

<210> 9963
 <211> 516
 <212> DNA
 <213> A.fumigatus

<400> 9963
 gcagtaccca attcagtcac ggcgccctgt gaaatcgacg acatgtgcta catccaagct 60
 gtgcatgttg aacagtatct caacacgcca gcagtctgga acgctctgtc acccccaaaa 120
 cagatttccg aatacaaaat ggtctcggag gcagtcattg acgcctttgc aaaatcttca 180
 gacggtatga catccacttc cgatctggtt gcctttctcc tggcgaacca ggtccatttt 240
 ctggcgtatc agggaaacct tgatctcgcc tgcaataccg ccgggaacct ccgctgggcg 300
 cattcactgg tctggaaggg tcaggctgag tttgcgtcga agcccctacg tccctggagg 360
 tcgcctgttg cagcgacaga ccggaatgag acggttggtg ccatgaagga agtttgggtt 420
 cgtgtgggta atgcagacac cgagtcacgg tttgcacttg tcaactgtgga tgggtgctggt 480
 catctggtga gcacatgtcg agaatacaat ccgtag 516

<210> 9964
 <211> 276
 <212> DNA

<213> A.fumigatus

<400> 9964

gatgtggtag	gctcgggtctc	tcgcagtggt	cgcttttagta	gaactgttaa	gcgggagggt	60
gatctcatta	ggcttaccag	gtttattgcc	accggcgtaa	cggtaccggg	gctgtttgtg	120
agagccgcct	actggccgga	aaaatgggac	tgggtcaaca	atgttcttat	gtactggctg	180
gtgggcgctt	tctattgctt	ggatatagcg	tatgggatgt	gtttgtggta	tttccggagg	240
cttgaaagga	tgtcatctcg	agtcaagcaa	gggtag			276

<210> 9965

<211> 531

<212> DNA

<213> A.fumigatus

<400> 9965

actatcaaaa	tggatggact	cgatttcgac	actgctccgg	tcgagttcca	aaaagtgcgg	60
tggatagtgg	agacgccact	cattattgcc	gggatgggat	ggacgctgaa	ctattttcttc	120
actatccgca	aagcatatca	ggaccgcatg	tctggtgtct	cgctaatagc	tctatctaac	180
aacctggctt	gggaaattgc	ttttgctctt	atcaatccac	cacctaatcc	tctggcgagg	240
gtcaactatc	ctctgtggct	gtctgtcaat	gcttttgtcc	tatatgctac	cgtcaaatgc	300
gagagagagt	ctgggtctcca	ttcgccgttc	atgcggagac	acctaccctt	tattgtcttc	360
atcagcattc	taggcctggt	gtccgggcat	ctcgcttct	catcgcatgt	tgggtcccctg	420
gcagctctct	tctggggcgg	gatgttttgt	caagtgcgc	tcagcgcaag	tgcattgggt	480
ctccttcttc	agcgtggcca	tacgcgagga	atgtcatata	agatgtggta	g	531

<210> 9966

<211> 306

<212> DNA

<213> A.fumigatus

<400> 9966

aaagacgaag	aggcatcgaa	ggccatccca	tccttgaaac	agtcgccatc	gctcaaaggc	60
ctcaaccacc	ttgctaccga	cggagtgtac	cgcagtttta	gctcgagtgg	ccaggtagta	120
gattataagc	aattaagtcc	agcggatatt	acaaagggtg	tggagtcca	tgaaaaatat	180
atggactcag	agatctttca	gaagactaag	aagaaatttg	acggtgtgga	tggcagaaat	240
gtgaccgatt	tggagcaact	gcttcatcca	ggaccggaaa	gtcgtccagt	gagatttaga	300
gagtga						306

<210> 9967

<211> 666

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (13), (15)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9967

cggggggggtt	tttnnatagt	cgaacgttcg	ttctcccatc	cccgtggtga	agacgccatt	60
gccctggcga	atacaggtgc	aacgctcgcc	ttgatcgacg	tcgacgttga	ggctctcgaa	120
cctaccaagg	ccgcagctcg	caatgtccag	gatcgctcag	cccacgtcga	gacctacgga	180
ttggatatca	ccgacccggg	cgctgtccag	tccacgttca	agtccatcgc	ggccaccctc	240
ggccgcgtgg	atatectcgt	gaacaacgcc	gggattactc	gcctccactt	atttgccggag	300
gaagaggggt	tcgacgactt	ctggaggacg	gtggaagtca	atttcaaggg	gaccatgctc	360
tgcattccacg	ctgttcttcc	cggcatggtc	gaacagaaat	caggctgtat	catcaatatg	420

```

gctctgcggg cagcaacggt ggatgggccc aagagtgtgg gctacaacgc gagcaaagcc 480
gcactgggtcc gcgccactgg aagtctccag gaagacctgg cgtccatggg cctcggagag 540
caggtgcacg cttactgtct tcatccgggg agcgtgtggg gagacattat cactggtaag 600
ctcacacaca cgaggggtgc ttttcctggg atccagggtc aacaccccaa gaagtggttc 660
aagtga

```

<210> 9968

<211> 1791

<212> DNA

<213> A.fumigatus

<400> 9968

```

tacgttgacc gttatccagt taatggctgt cttcccgtga agcctaatat cagggctcta 60
tctgagccat ggggtgagaag cgcaaacttg agttggatga gcttaccatc ccgagcaaat 120
ctcggaaacg cccggcgctg gatgatgctg gtaagatgtt tgaactctgg gattgaattg 180
actgtggagc tgaacatcgc tgttgcatat ccaatttacg aggaacctca gtcagatgcc 240
gattatgtgt cttccgacga atcgagtgtg aacagcgaca gtctccacga gactccagcg 300
acaccaatct ctacgacctc agccaaatat ccttcagagc tgaaaactca ccgctgtccc 360
ttcgatgggt gcacaaaggc attcaaccgg ccagcgcgac ttcaagaaca tctgcgctcc 420
cataacaacg agagaatctt taaatgcaca ttcgaggagt gtgacaagac attcctccgc 480
gcatcgcatc tgaatcacca tatcaaaagc gcacacactg ggggtccgaga ctacgtatgc 540
gaccgtcctg gctgcgggaa gagcttcgtg acgggctccc ggctccgtcg acatctggct 600
gcccacgatg gacgagataa gtaccgctgc acggagtacc caccttgcaa tgagacgttt 660
cggaacatt ccacccttca aaaacacatc atgaccgcac atctaaagca aaagcctttc 720
caatgcccc acacggatcc gagtaccggg cagaaatgta cgatggcatt tgacacagca 780
ggacatctcc gagccacga aagccgcatt cacaccgaga aacggtttag ttgactgaa 840
tgctcccagc acgcagaggg tgccgaagca acctttccca cctacgcgct cctacaagct 900
catatccgat ccgttcaccc cccgcaatgt cccaactgtg ctctgacttg cgcgacgtcc 960
cgcgaactcc gccgccatct cgaagtcgcc catggcgatg tcagtctcga ggagcgcaag 1020
atattccctt gcaccgtacc cggctgcgac cgcagcttca ccaagaaggg aaatctaacc 1080
gtacacatcc gcaccgttca tcagggcgag aaacgcttcg tctgcggcga gaccgacctc 1140
tcgtcctcga aaaaggtgtc cggctggaac aacgacaacg gctgcggcaa gcggtacggg 1200
agcaagctcg cgctggaaga acacatccgc actgcacacc tgggctacca aaacgccaaa 1260
gccgaacgcc ggcaacgtct cggcatcacc cgcgacgac agcactctac cgcaacctca 1320
ccgggtgtgt ccgcgctggc cgcgctcacg ggtgagggct acgccgagga aacgggccgc 1380
cacatcgctg gtctgggtga gtcgtgcccg caccggttcc acagagacta cgatctctgg 1440
gtccatatga gcggcaagca tcatttctcc gaggaggaaa cccgcgatct atttctgcgg 1500
cgagccctgc tcgcgcatga tttcgggtgc tctgcgtctg cttctgcttc ctccgaggaa 1560
ctattcgggg gtatctacgg ccttgaattc gataacgac attcgtcgta tgatccgtat 1620
gtgttgacg ggtccgagac gatagcgact tctggcgcgg ccgtgtcgaa gccgttgctt 1680
gcgcatggcg ccgatgtaat gatgcatgac aacagttcta cgataccac tcctggtgat 1740
gatatggcgc tgattgatcc tgcactggct tacgatatga tggagtcgta g 1791

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<210> 9969

<211> 237

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (197)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9969

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acataccctg atttgcttgt cttcggctcc ggtggcaagg tacttgccgt cgggactgaa 60
gcagacgctg cgaatataca ggtctccatc cttgtctaca ctttctctt gcaaggtagc 120

```

```

gacgatctgg ccagtgggtca cgtcgaagat ctgagcggag cggttgcagc ccgcggcgag 180
gtggcccccg tcgcgantga gtcgggaagt cggccgtaca gcgctagtat caggggt 237

```

<210> 9970

<211> 252

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (41)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9970

```

acccctgata ctagecgtgt acggccgact tcccgactca ntgcgcacgg ggaccacctc 60
gccgcgggct gcaaccgctc cgctcagatc ttcgacgtga ccaactggcca gatcgtcgct 120
accttgcaag acgaaagtgt agacaaggat ggagacctgt atattcgagc cgtctgcttc 180
agtcccgcag gcaagtacct tgccaccgga gccgaagaca agcaaatacag ggtatgttca 240
ctgttctcct aa 252

```

<210> 9971

<211> 543

<212> DNA

<213> A.fumigatus

<400> 9971

```

gattttgttc tgagcgtgtg tctcaccctc gatggacact gggtcacatg cggttccaag 60
gaccgggggtg ttcaattctg ggatcccatc actggaaatg cacagatgat gctccaagga 120
cacaagaatt ccggtcagca cttcttccct tacttgctt gccattctct gtggccgac 180
tcgtcagttt tccagtgtct aactgggttt tacagtcac tccggttgct ccagccctac 240
aggcaatttg ttccgcaagg gcagtggcga catgcggggc agaactctga ggtatgtttt 300
ggcggtcaat tcttattgct gatattgaaa ctaacaccgg ggtgtcgctg gcagatactc 360
cacttatacc ggacggtaat gggcttgatg atgggaagct tcggcgcaaa tgtgacttct 420
tttgttgtt tgatccacaa tgtcgtagcc tcttgaaca tggcctgggt ttgtttctgc 480
gttcaacctt tgcaagggtc tgtcctgtcc catcgcagct tcggattttc gtttcctcgg 540
tga 543

```

<210> 9972

<211> 360

<212> DNA

<213> A.fumigatus

<400> 9972

```

gtgtgggaca ttgcggcgcg taaccattaag catatcttca ccggtcacga gcaagatatt 60
tactcgcttg acttcgctgg caacggtcga tacattgctt ccggcagcgg agacaagacc 120
gtgcgtctct gggacatcct cgacggtaaa ctctctaca ctctcagcat cgatgacggc 180
gtcaccactg tagccatgtc tcccgcgggc cactacgttg cggccggctc cttggataag 240
agtgtccgtg tttgggacac cactactgga tatctcgtgg agcgtttgga gagtctgat 300
gggcataagg ataccgttta ctcagtcgcc tttggtccc aatggtcggg atctggttag 360

```

<210> 9973

<211> 204

<212> DNA

<213> A.fumigatus

<400> 9973

ggggggccacg	ccaacgttga	cactgtgggt	agcaacattc	gtccagccaa	gacattactg	60
ggcgagcttg	cgaagaccaa	aacaaacact	aaacagaaaa	atgctcaaca	gaacccaaca	120
agcgagcgag	tcaagcagga	ggtcgactcg	gacctgtccc	tgaatcatca	ggctaaatgc	180
aatctgcagt	gctccgcgac	ctaa				204

<210> 9974

<211> 276

<212> DNA

<213> A.fumigatus

<400> 9974

gcatttttct	gtttagtgtt	tgttttgggt	ttcgcaagct	cgcccagtaa	tgtcttggct	60
ggcgaatgt	tgctaaccac	agtgtcaacg	ttggcgtggc	ccccctacga	cacgtggata	120
gatgcacct	gtgataaaga	cttggatgct	gattttatct	ttttatcatt	ggataaagaa	180
gaaaactcca	atgccgggag	atcagacgtg	tccgactcca	acgcctacct	gcaagtcctt	240
gatacttttg	cttcgtatga	tctgtctgct	ggatag			276

<210> 9975

<211> 228

<212> DNA

<213> A.fumigatus

<400> 9975

actgatctcg	tggtctcagat	tgagcggaga	ctcgcgccgt	tttggagagg	actgaatgat	60
ttctcggagt	cgtggactga	gcatacattg	atggcagcag	cgcggtggcct	gccaatacca	120
ccaccagatg	aaattccccc	ggagctggaa	tataagaacc	ctccgaaatt	gagtggagat	180
gggaaggagc	ccagcattca	gcacagtctt	caccgagggg	tgcgatag		228

<210> 9976

<211> 942

<212> DNA

<213> A.fumigatus

<400> 9976

agtctacgaa	aagtgagtgc	gctcgtctca	tccattccca	tagtcattgt	gcttatggtc	60
tctaccagag	tcggcatgat	attgtctcgc	tacaagtcgc	gacctcttcc	caagcctttc	120
aagattcttc	cctctgtccc	caattggcca	actcttctct	ctatcactcg	ccccgagtcg	180
tggacagcga	acgctgttta	tgccgggact	aggattttca	tatcatcgaa	gccagccggt	240
gcacaggagt	tcatatcgac	agttctcctt	gaccgcgttc	gagaggagat	tcacgaaaca	300
aagaagttaa	atgttcatac	ctacaatgct	ctgaagaaag	cgctgtacaa	gccagcttgc	360
tttttcaaag	gcctgctggt	cccactggta	tcgagtggta	cttgcactct	acgggagggc	420
cacatcgtct	cttctgtcat	cgcacgtgta	tctatcccag	tattgcactc	cgcggtcgct	480
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gcggtcaatg	tcttcatccg	tgtgttcctc	gagaagaagt	acgcgcttcc	atataagggtg	600
attgacgctc	tcgttttcca	ttttctgcgc	ttccgcgctt	gcgacaatgc	cgaggactcg	660
atgatgaccg	atggaccttc	tggggctgct	acgaaagcgt	ataagcttcc	tgttctttgg	720
caccagtcac	tattgggtctt	tgcccaacgt	tatcgcaacg	atatcactga	agatcagcgt	780
gaagctctcc	ttgacctggt	gttagttcgg	ggccacaagg	atatcgcccc	tgaggtcaga	840
cgggaattgt	tggcaggtag	aggacgcggc	gtggttgtac	ctgaccacga	aaagcagggc	900
gctctcgacg	ctggcgatga	cacgatggat	gtcacgtttt	ag		942

<210> 9977

<211> 186

<212> DNA

<213> A.fumigatus

<400> 9977

ttgtgtagga	atgtctctgt	gctacgcaac	ggcccgaaca	caactcataa	gaacagtagc	60
ttctactcca	agtttaacgc	caaagatatt	ggacatgtct	caatatctga	gagtcctgga	120
aggactgata	cataccaagg	ggtcgcacca	cccattctca	ggtttcccaa	cgagtgtcaa	180
tggtag						186

<210> 9978

<211> 723

<212> DNA

<213> A.fumigatus

<400> 9978

ctttgctctg	tctcttctgc	agcggaggat	cgtcgaaata	tgcccagtct	ctggggggttc	60
atcctggcga	ttttgggaat	ggtagtggtt	ctcagtatca	tcctcctact	atgttatcaa	120
ttcgtgcaga	agagacgccg	actagccctc	gaacgtcgta	tctctgccgg	cgagacggat	180
actgaaaatt	ttgggctaca	tcatatcagg	gtttcgcggg	aagttcttga	tcagatcccc	240
acatacgttt	attccgctgt	caacattccc	tcaaaagtat	ctttgagaag	cagccctagt	300
caaaccacga	tcacactggc	aagagccgat	gatgcaagct	cgatacgatc	tgttgacccc	360
aaagagcctc	gtctagtcta	caaggagaca	gaaatgcaag	caagcagttc	caccatcaga	420
ctaccggaaa	ctgcaattac	gtgtcagagc	agtcgacctc	cctccgcgcg	agagtgcagc	480
gactctgccca	gcaggtcaca	gcccacttgt	gcaatctgtc	ttgatgactt	tgtctcggga	540
ataacgatcg	tacgggaact	tccatgcggc	catatctttc	atccgagttg	catcgacgtt	600
tcgcttacgc	agataagcag	tctttgcccc	ctgtgtaaga	aaagcgttct	accggcagaa	660
tactatacaa	cgcttcggga	cgatatggga	gtgcatcggg	attatgtcgt	gactgagcat	720
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<210> 9979

<211> 396

<212> DNA

<213> A.fumigatus

<400> 9979

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aacctaccaa	gcaaacttgt	catgcttccc	cttaaccctc	acatcgagca	cctcttcattg	180
gaaagtctct	tcctctctcg	ccctcttcaa	cctcttcacc	tcattgctct	ccagcgcgtct	240
ccccacaata	ccctccaact	ccttcgcact	aattcttctc	ctcgccttgg	tctccttggt	300
cgctttgata	cgcggttgga	atcgcgcctg	catgcgaacc	cgcagcgtcg	tctcaaaacc	360
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<210> 9980

<211> 189

<212> DNA

<213> A.fumigatus

<400> 9980

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atcctgccat	tggttttctga	ttcttccgat	gacgtccgca	tcatcacctt	aattagactt	120
aagtctccta	gtaccaagtc	ctatcttaga	cctagtctct	ataacttcgt	cagggtatcgt	180
gttgccctga						189

<210> 9981

<211> 1518

<212> DNA

<213> A.fumigatus

<400> 9981

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gctcctcctc	tggagctttc	agggccagcc	actccggatc	gacggccaag	tctctctgca	180
tcgcctgagc	tggatgaaaa	agtccaagtc	caggtttccc	aagccgatca	gcgcaagctc	240
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ggtgctcccc	tgcggcggtc	aagatcacga	tcgaccacat	acctagcatc	tcctccagat	360
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attgacactg	ctggcgagcc	cgagctgcgt	ataatcgcca	aagagctcct	cagtgttgcg	480
caagaagctc	gtatgtcggc	gctgcatttc	aaacttcaga	atagccttct	gtctttcaca	540
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attcttcaga	gttccgagta	ccgaaataga	catgggtccga	ccgaggtgaa	accactgcaa	660
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gacagcacga	tatctgcctc	ggacatcgaa	gaagccgaga	cagaagaaga	cattccagcc	1260
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<210> 9982

<211> 237

<212> DNA

<213> A.fumigatus

<400> 9982

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ggcgattata	cgcagctcgg	gctcgcacgc	agtgtcaatg	tcaccgacag	atggaagatt	180
ctcagaggca	ccgtatgcag	cgcacagagt	cttttcaata	tctggaggag	atgctag	237

<210> 9983

<211> 663

<212> DNA

<213> A.fumigatus

<400> 9983

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aactgcttcc	gatgcaaate	ggcattttac	tgctctcgcg	actgtcagaa	agccgaccgg	180
aagactcaca	agaaagtctg	cgccagcaat	gctcaagcaa	acactggctc	caacaaccag	240
tctgcgagcg	acactaacgc	cacccaatcc	accaaagctc	tggaagttga	cgacttcctg	300
aagccgtttt	atcgctctca	cgcaaagacc	tggtccatg	accacaccga	aaaggaaacc	360
tacaagctac	taatcgatac	ctaccgtctc	cggtctgcag	acgactacac	gttctcaggg	420
gatattcacg	aggataacat	ctatggcgga	gcaactgatg	acggacgcgc	tggtttctgc	480
cggttcctga	agagcggtga	acgcaaacc	catctgctgc	cgaggtgggtg	gacccagcc	540
aaagcggagg	aatgtatccg	gtacggaag	aattccacaa	actggagcta	tcttggttac	600
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663

<211> 351

<212> DNA

<213> A.fumigatus

<400> 9984

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ggaaaaagcga	agagtgtgga	tcctgacaat	ggtccaacgt	caaagagacg	ctgcgtaagc	180
acagccttga	tgccttgtcg	gaggaggaaa	tcgaaggtaa	tgcgatggca	ttttcgctta	240
gtgctgtatc	tccatcatat	ctttaccaa	ttcttaccag	tgcgatggga	atctgccgag	300
ctgtgccgca	tgttcatccg	tttatcatac	acctgtatag	gagagcccta	a	351

<210> 9985

<211> 549

<212> DNA

<213> A.fumigatus

 $\langle 220 \rangle$

<221> unsure

 $\langle 222 \rangle$ (393), (395)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9985

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tttttcgggt	gtatctctga	cgaagacagg	tgctggtcta	actaccttg	ccgccagcct	180
caattattga	cctcgcaggt	ttgcgtgccg	aagatcgata	tcttgccata	tgaggaggca	240
gagctctggt	ccccatacac	agattctggc	ccgagccagg	acaacacaca	accttcgcgg	300
atcaggacag	ttgctttaca	gcttgccaag	ctcagtgaga	tcagcggcga	tttgcttggt	360
tacttctatg	acccgagccc	aacggatagg	ccngncaaca	aacaagcggg	tcttaaaaag	420
ctcagcgaga	tacatactag	acttgaagcc	tggaagaaa	gcctacccaa	ggagttggaa	480
acctcgagaa	ggccagcttc	ctcaggtttc	tgttatgcag	taagcaagca	agcactcagt	540
ccacaatga						549

<210> 9986

<211> 273

<212> DNA

<213> A.fumigatus

<400> 9986

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cacacgctgt	ttacggagta	cattcaattc	tatccgcaat	ttgcgatctg	tgagtatacc	120
cagatgaact	tgggcacgaa	gtttgcgtgt	gtaaatctgc	aatcgcaatc	aaagcgatgg	180
agttcaggct	ccgagtcgct	tctaactctg	ccccgactta	acatgcatgt	tctgatgttt	240
ctccaaccat	ttcaagtttcg	gtcaaacacct	taa			273

<210> 9987

<211> 1215

<212> DNA

<213> A.fumigatus

 $\langle 220 \rangle$

<221> unsure

<222> (1166)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 9987

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cctcttcctc	agcatgtctc	tctcgcgaga	atatgcacac	aagccgcagc	caccatatcg	180
aaattgctgc	ggatgtataa	acgcacatat	ggcttcaaac	aaatagttaa	tgctgcgggc	240
tatatgcac	atactgcttg	cactatccat	cttctcaatt	tacctgaaaa	aaatgcacag	300
agggacttaa	ttcacggcct	ccgcaactta	gacgagatgg	gcgagagctg	gctctgtgct	360
cggcgacgc	ttcgtattct	cgacatatct	gccaataact	ggcagattga	gttgccctact	420
gaagcttcga	gcgtctttga	gcaaacacac	gcgaaatggg	gcccttgggg	ctcatgggat	480
caagcagtat	ccccctcgac	gtcggagaaa	tccccaccga	ccgtttcggg	acagcttccg	540
tcttcagctt	cggcttacat	accaccagcc	ccaggaggag	catcaataac	tcaacctgga	600
gtttctcctc	aaaacctttc	aacctcagct	tcatatcaag	gcaatcaaca	atatcgttca	660
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cagatttcac	gagcagatgg	gcctctaccg	gagccaacct	atcttaggcc	tgttcctcat	780
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aatgcactct	taagcatggg	gacagaaaat	tgggagcaac	gtctgaacct	gagcttcacc	1020
gggcccgtct	caagcatgcg	ctacgacacc	agcgttctca	actccggaca	gtcatcagga	1080
ccggacagca	cgcggggagc	accacaggcc	ttcaggtacc	ccgttggtgt	gcctccta	1140
ctgaccgatt	cggacaag	tcccancatc	tctggatata	acaatatagg	tcttccgggc	1200
gatttccagc	gatga					1215

<210> 9988

<211> 1005

<212> DNA

<213> A.fumigatus

<400> 9988

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tacgatgaag	aagacgcttt	tgacttagtc	cggcaaatac	gatcctgtga	cagtttggaa	180
gatgtggctg	aatcgatcgt	gagccgggac	aaagggccca	cacctgggga	ggtcttcccc	240
agcggagacg	agtcttcgac	gcatgaagat	caatttgtat	ctactttggc	aggaagaatg	300
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gtgaatgcga	tgcttgctct	gggctgtcat	tttagctcat	ggaaaggagc	tcgggcggat	660
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gttagagaag	ctggttgccg	tcgcgagggc	aaaggttggg	tttacagtgg	catgagcttc	840
cgtatggcgt	tcgacctagg	tctaaatttg	gattccaaca	gcctgggaac	tcgtaagctt	900
gccgacgaag	aattggatgc	acgacgaatc	acattttggg	gctgtttcct	ctttgataag	960
tttgtccccc	cttttcaaat	cacacttttt	cgggtgtatc	tctga		1005

<210> 9989

<211> 267

<212> DNA

<213> A.fumigatus

<400> 9989

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gtgggtgctt	gcgacgcagc	tcatgtgact	ggtgcctttg	aacattctct	catcttccag	120
cacagtgaac	tcccgatcca	gtacaagctc	cagtctctgc	tacggagtat	tagtagttcg	180
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tacgtaccta	accatcgcaa	ggcgtga				267

<210> 9990
 <211> 222
 <212> DNA
 <213> A.fumigatus

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ctttggcaac	ctaactctgg	aaagagagac	tcacaccgga	accaccgtgc	cgagtggggc	120
actcgggagg	atgaaatcgc	tactcctggg	ggaggacatt	attaccctcc	cacctccac	180
tcgactgatt	cgctgattct	gaatcacctc	cgccaattat	ga		222

<210> 9991
 <211> 900
 <212> DNA
 <213> A.fumigatus

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ttcaagatgg	aaagcaagtg	gaaagacatt	gtcgctctgt	atccccaca	ggcaatagaa	180
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tccttagacg	ccttggtccc	gtccttctcg	caacggcaca	aattgcaacc	agcactcaga	300
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ggaagtata	tccttacctt	ctgggccttc	ctggccttacg	aactcgccaa	taccgcgaca	720
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<210> 9992
 <211> 1248
 <212> DNA
 <213> A.fumigatus

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gagagtcgag gaatcgacag cgtaaccgtg attctgggag gtgatgtggc acttgccga 840
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cttcatacca acgtccaagc aaaggacacg aaccggggcg ccagatgggt gtttgagtgc 1200
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<210> 9993

<211> 861

<212> DNA

<213> A.fumigatus

<400> 9993

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gctgtgtcct acaatcagat caacaaagaa ctacagccac tcccatcaat ggattcagga 180
aatggagccg tgattccgcc agcttctgcc cgagtaagag gcagcagcgg caagatgttc 240
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<210> 9994

<211> 1242

<212> DNA

<213> A.fumigatus

<400> 9994

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tacttctcc cggtcaacgc cgagttcgtg cgcaagggtc tcaagcacga gcgccctgat 960
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<210> 9995
<211> 432
<212> DNA
<213> A.fumigatus
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<210> 9996
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<212> DNA
<213> A.fumigatus
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<210> 9997
<211> 228
<212> DNA
<213> A.fumigatus
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<210> 9998
<211> 477
<212> DNA
<213> A.fumigatus
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<400> 9998						
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gctggcgccg	ccgtcaccat	ccactcccgt	aacgagaaga	aggccagaaa	ggctattggc	180
aagcttggcc	tgaagcactg	tcccggcatc	actcgtgtca	ccctccgcag	acccaagaac	240
gtaagaacac	ggcccatttg	cgcgacaaaa	acagtcata	tatcgggttt	ctgcaaggca	300
gagcccaaat	ctgaaagagc	aggagctaat	acgtcgtctg	cagatccctc	tcgtcatcaa	360
ccagcccgat	gtctaccgct	ctccctccag	caacacctgg	atgtatgtgc	cttacggttc	420

tttcgatgcg gtctatcgtc ttcaccaacg gggccgccgg atcagcgcat agaggta

477

<210> 9999

<211> 789

<212> DNA

<213> A.fumigatus

<400> 9999

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attcttcgga	actttgggcg	acctgtccaa	gctgtcgcac	tatcaccaga	atacaagaat	180
gatcgaacat	tcttgtcttg	agggcgagcg	ggtgatctga	ttcttacgac	tggaggacga	240
gtgggtgtga	gcacgaactc	aacgacaatg	ggaggcgccg	cagctgcagc	gtccagctgg	300
cttggatcga	ttgggctggg	agccaataacc	ggcaaggaca	ccatattaca	cagcggggag	360
ggtgctatca	gcacgattaa	atgggtcattg	tgggggaaat	acgtcgtttg	ggtcaatgaa	420
gaagggatca	aaattatgcg	gtcgaactta	catctggact	cagctgactc	tgagcttgct	480
tggaaacgaa	ttagccacat	tgaccgtccg	aacggccctg	gatgggaaga	aatggccagc	540
gtctggagag	ctcgagctga	atgggtggac	gaagattctc	ttcgctggga	ggataatgtg	600
aattcccagc	aggacgaacc	tcatcttaac	accccgcccc	cgccggatat	agttgcgatg	660
aaggagaatg	tagagaggct	cgctcgtggg	tggggaggga	ctgtttgggt	cattaatgtg	720
tatcccgaac	ggccaaacaa	aaacaataag	gacctgaaga	taggatctgt	ccaagtctcc	780
accatgtga						789

<210> 10000

<211> 801

<212> DNA

<213> A.fumigatus

<400> 10000

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atatatgaag	aaatcctggg	tcattatgtc	tctcgagatc	ggcacagatt	cagcgaactc	120
ttggatacct	ggcctttcac	tctgtttgat	gttaatagtg	tcacaacagc	tgctcgaggaa	180
cagttggatc	caaggacggt	gtcacctgag	acagaggact	ggcggatact	aaccaaagtc	240
ctggccaagc	tctatctggc	cggaggtcat	tataacgaag	cattgcactg	ttacattcga	300
ctacaggatg	cggacactgc	catggccttg	atcaaggagc	accgtttgct	ggacgctctt	360
tcagatgata	tccttgcatt	tatcatgatt	cgagtttcca	agcaacagat	gaaaacagct	420
ccactttccg	aactggaaga	gataactgcc	gagccaatca	agcttctcgt	cagcgaagca	480
tatactggaa	ttgtgcgccc	tgaggctcgt	gtcactcagc	ttaaagatgc	aaatcggctt	540
ctctttcttt	atttctacct	ccgcgctctc	tggcgaggag	aatcgcttcc	acacagcgct	600
gcaaagccac	gcagaggtca	cgggtgctga	gttcgggacg	cagcaagcaa	actagcagca	660
gatgagggga	aggcgctagt	tgataatttc	gctgataccg	ctgttggaac	ttttggcgac	720
tatgaacgtc	catggttgat	gggattcttg	gaggtttacc	acgcgtactc	ctttgaacac	780
accgttgctg	ttctgcgata	a				801

<210> 10001

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10001

agacgtgaga	ttctcatatc	gactaactgt	aagcgtatca	gcgctgagct	cttctttcgt	60
atcaatatca	ataatgcgaa	gctcgggttc	caggccccgg	ggacggcggt	gtgtgcgagg	120
acgaagaacg	ccgtgcttcg	tccgctcttc	cgaaacattc	tcttctcggg	cctcaatata	180
tgcaagaaca	gctaa					195

<210> 10002

<211> 396
 <212> DNA
 <213> A.fumigatus

<400> 10002
 tcgagacaca gagattgcgt gccgctcgtc gaccttctcg gaatcatctt ccaaatecgc 60
 gatgactacc agaacctgca gagcgacttg tatgctaaga acaaaggggt tggatgaagac 120
 atcaccgagg gcaaattctc ctacccatt atccacagca ttcgcagtga tccgagtaat 180
 ttccagttga tgaatatcct gaagcaaaag acagaggacg aagatgtcaa gcggtacgct 240
 gtctgcatta tcgagtcac aggaagcttc gatcattgcc gcaagaaact ggccaatctg 300
 acggcagagg cgagagaaat cctgaaggac tttggtgatc taggcaacac agatggcttg 360
 aagggtatcc tggactttct ggagctgaag gggtag 396

<210> 10003
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 10003
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 ggagtgggga cttaaagagtt caggaacagc gccaggacgt atttctacgc attgtctctg 120
 accgaggagg cgcaacaaaa gtacgaaaca cgagggcagt cgacaacagc atctctgtct 180
 tctcaacccat ctogatga 198

<210> 10004
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 10004
 acgtgggact ctctccattc gccattctac ttttttgttg tcgtttctca ttcaataggc 60
 gcatactcta tgagataccc gggaatctgt acttatgaac ccctaggaaa tgggactttg 120
 ctgcatgtaa tctacatcat tgtatttagt gacagcatta tcacgaggac agggccatt 180
 taa 183

<210> 10005
 <211> 228
 <212> DNA
 <213> A.fumigatus

<400> 10005
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 ctccgtctcc agcccatgag cattcgccgt gtctccacgt tcttcgatac ttctctctcc 120
 tgctatctat tcttcttcgg tcagatcttc gctgcagttt ttgccccagc gctatcagtc 180
 gctccctcc atttcaattc tttgcaaatt cgccatgact atcggtga 228

<210> 10006
 <211> 534
 <212> DNA
 <213> A.fumigatus

<400> 10006
 gcattcgccg tgtctccacg ttcttcgata cttctctctc ctgctatcta ttcttctctg 60
 gtcagatctt cgtctcagtt tttgccccag cgctatcagt cgctccctc catttcaatt 120
 ctttgcaaat tcgccatgac tctcgggtgac attgtctccg atccctcatt gctaccctg 180
 ttgcgtactt gcgccgagac gcgggaacaa tgcgagaagc ttttatcctt gttagatccc 240

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acgacacagt ctacttcate cgaccccgaa caggecgcttc tagctgcctc taaacagcag 300
aagcagcttt ttgcccttct agcccagctc cgcggtcaaa gtcgggatgc tattcttcgg 360
gttcgccaga caaaacaact tacagcagaa gctcggcaag agatcgatcg attgcactcg 420
caactgcaga atctgtatta tgaacagcgg catctgaccg gagaaatcgc tgcttgtgaa 480
tcatatgagt atgtggaccg ttgtttgacg ttcattcagc ccccttgcaa ttaa 534

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<210> 10007
<211> 1398
<212> DNA
<213> A.fumigatus

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<400> 10007
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cgtccgttcc gacaaaggcg atacttctac taccttagcg ggggtgaaga ggcggactgc 180
tatctgacgt atgatataca gaatgatctc ttgacgcttt atgtgcccga tttcgacttg 240
caccgggcca tatggatggg accgactttg acagtgaag aagctcgaga acggtacgat 300
gtcgatcaag tgcggtacca tgcgtctctc aagggtgaca tccagcgatg ggcggataac 360
tacaacaaga cgagtctctt atatattctt catgataccc agaagcccca ggtgctgtca 420
aatgaacttc gcttagatga cgaattgctg ttaccagcca tggatgcagc tcggggcatc 480
aaagatgagc atgagattcg gatgattcga gaagcgaaca gagtatctgc tctggcccac 540
cgcaagggtg tcgaaaatgt tctccgaatg tcgacagagg cagagatcga aggtcttttt 600
ctagacacct gcatctccca tggagcga aaaccaagcat atgagatcat cgctgggtca 660
ggggagaatg cggccgttct tcattatgtg aagaataatg aaccgcttca aggaagacag 720
ctggtctgtc tggacgcagg tgccgagtgg aactgctacg ccagtgcagt aaccgggacc 780
tttcccctgg ccgtgactg gccacagcg cgggccaggg acatttacca gctggtagaa 840
gagatgcaag aggaatgcat caagcgtata cagaaagggtg tgcgatttct agacctacag 900
gtcctggcac acgtgattgc aattgaaggg ttgatgcgac taggcattct caagggcggc 960
tcggtagaag aaatccgcga gtccggggca tcgaccgtct ttttcccgca cggattgggc 1020
catcacgtcg gactcgaagt acatgacgtg tctgcgaaac ggctcacagc tgttgagggg 1080
gacaaggaat actacagctc gatattggtg ccgtctatga gccattgtcc ctgtacactt 1140
tccgcaccat tattggagga aggtatggtg gttacagtgc agccggcat ctacttttcc 1200
cggctggctc tggcgaatgc acggaagctg gcctttgcaa agtatataaa ctttgacgag 1260
gccgagaaat acattccaat tgggtggtg cgcattgagg acgatatttt ggtgaccagc 1320
tctgggcacg aaaacctgac tacagctccc aaaggggaag aaatgctaga gatcatccgt 1380
cgggggatcg acagttag 1398

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<210> 10008
<211> 261
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (103), (118), (128), (130), (226)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 10008
tataaccttt catcaaaaat agtcggacca tacggcatga tcacatttgc cactctgaat 60
ggcattagta ttgagaattg gcgaaattgg acatggcatt atntggcgca tttggtancg 120
gaattttntn ttttgtcttg ctccgacttt ccggaatacc cttttttttt ctgtcggagt 180
cataccactt tttttaataa agggggaaga aaaaatgtaa ttacctntaa aaccttaaaa 240
aatttcctgt ggattggaat a 261

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<210> 10009
<211> 222

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<212> DNA
 <213> A.fumigatus

<400> 10009
 ggtgggtgga taacgatagc gctgatcttc gcccttgggg tgatgacat tgtgtccacg 60
 ctgcaagcgg gctgcttctt tggagccctt atcgcttcgc aggtggctga tcgctgggga 120
 agaaagcccg gtctgatatc ggcacatgatt atgtcgatcg ttgggtgtgat catgcagggt 180
 gccgccagtg gccacctgga agccatgtac ataggacggg ga 222

<210> 10010
 <211> 1389
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (355), (377), (395)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10010
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 tcgttgcaga cttatcaccc gcttcggtgt cggtttcgcc tcgatgatca acccctcta 120
 cgtgtcggag aacgctcctc gtgccatccg tggcatgctg accgggctgt accagctctt 180
 catcaccatg ggcacatgac tggcgttctg gatcaactac ggctccctgc tgcacatcag 240
 cggccccggc atgtacctcg tgccgctggc catgcaggcc ctccccgcca tcctcctcct 300
 ggtcggtatg ctctgtgca acgagtcctc acgctggctc gccgccagg accgntggga 360
 agccgcgcgc gccacantag cccgagtgcg ccacntgccc cccacccacc catacgtcga 420
 gcgcgaattc caggacatcg tcgcgcagct cgagcacgag cgcagctca tcggcggctc 480
 gggccccctg gacctcatgc gagagatgtg gacgatcccg ggcaaccgca agcgcgcct 540
 catcagcatc ttctcatga tctgccagca gatgaccggc accaacgcca tcaactacta 600
 cgcaccccag atcttcaaga acctggcggt caccggcaac gcgaccggc tcttcgccac 660
 cggcgtctac ggcacgtcga aggtcgtcgg ctgcgcgctc ttctcgttt tcgtcgccga 720
 ctccctcggc cgcgcgcgt cctcctgtg gacctcgtc gccagggcc tgacaatgct 780
 ctacatcggc ctgtacgtcc gcacgcgcgc ccccgtagcc ggcgagcccg tcatccccgc 840
 cggctacgtc gccctcgtct gcaccttctt cttcgccgcc tgcttccagt ttggctgggg 900
 gccgctctgc tggatctacg tctccgagat cccacccgcc cgcctgcgag gcctgaacgt 960
 ctcttctgct gccgtacct agtggctctt caactttgtt gtcgcccgcg ccgtcccaa 1020
 tatgcttgct accgtcgggt cgaatggtta tgggtacctc tctctctctc tctccccgga 1080
 aatccccctga gatatcagac gcgtgctaac gggctcacag aacgtacatc attttctcct 1140
 gcttctgtct ctccatgggt gtgtacgtat ggttcttcat cctgagacc aagggtact 1200
 ctccctccc cggccaatca acagttcatg ctgatgagaa taggtctctc gctcgagaaa 1260
 atggatgagt tgttcggcgt cacaacgccc caggatagca aggtggccga tgctgagcgg 1320
 gccatgagtt cgcacgacaa ggaggctgag gctgagaccg ccgtggagac aagggttgaa 1380
 aggtctgtag 1389

<210> 10011
 <211> 1038
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (303), (325), (343)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10011

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ccccctctacg	tgtcggagaa	cgctcctcgt	gccatccgtg	gcatgctgac	cgggctgtac	120
cagctctttca	tcacccatggg	catcatgctg	gcgttctgga	tcaactacgg	ctccctgctg	180
cacatcagcg	gcccggccat	gtacctcgtg	ccgctggcca	tgcaggccct	ccccgccatc	240
ctcctcctgg	tcggtatgct	cctgtgcaac	gagtccccac	gctggctcgc	ccgccaggac	300
cgntgggaag	ccgcgcgcgc	cacantagcc	cgagtgcgcc	acntgcccc	cacccaccca	360
tacgtcgagc	gccaattcca	ggacatcgtc	gcgagctcg	agcacgagcg	ccagctcatc	420
ggcggctcgg	gccccggga	cctcatgcga	gagatgtgga	cgatcccggg	caaccgcaag	480
cgcgccctca	tcagcatctt	cctcatgata	tgccagcaga	tgaccggcac	caacgccatc	540
aactactacg	caccccagat	cttcaagaac	ctgggcgtca	ccggcaacgc	gaccggcctc	600
ttcgccaccg	gcgtctacgg	catcgtcaag	gtcgtcggct	gcgccgtctt	cctcgttttc	660
gtcgccgact	ccctcgcccg	ccgcgcgtcc	ctcctgtgga	cctcgcgtcg	ccagggcctg	720
acaatgctct	acatcggcct	gtacgtccgc	atcgcgcccc	ccgtagccgg	cgagcccgtc	780
atccccgcgg	gtacgtcgc	cctcgtctgc	atcttctct	tgcgcgctg	cttcagttt	840
ggctgggggc	ccgtctgctg	gatctacgtc	tccgagatcc	ccaccgccc	cctgcgaggg	900
ctgaacgtct	ccttcgctgc	cgctaaccag	tggctcttca	actttgttgt	cgcccgcgcc	960
gtccccaata	tgtttgttac	cgctcggtgcg	aatggttatg	ggtacctctc	tctctctctc	1020
tccccgaaa	tccctga					1038

<210> 10012

<211> 729

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (711), (729)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10012

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attcgcaccg	acggtagcaa	gcataattggg	gacggcgccg	gcgacaacaa	agttgaagag	120
ccactgggta	gcggcagcga	aggagacgtt	caggcctcgc	aggcgggcgg	tggggatctc	180
ggagacgtag	atccagcaga	cgggccccca	gccaaactgg	aagcaggcgg	cgaagaggaa	240
gatgcagacg	agggcgacgt	agccggcggg	gatgacgggc	tgcgcggcta	cggggggcgc	300
gatgcggacg	tacaggccga	tgtagagcat	tgtcaggccc	tgggcgacgg	aggtccacag	360
gagggagcgg	cggcgggccga	gggagtcggc	gacgaaaacg	aggaagacgg	cgcagccgac	420
gaccttgacg	atgccgtaga	cggcggtggc	gaagaggccg	gtcgcgttgc	cgggtgacgc	480
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tcgggctan						729

<210> 10013

<211> 789

<212> DNA

<213> A.fumigatus

<400> 10013

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gggcaccttc	cacacgtgct	gttcgagaga	cattattttg	acagatatgg	gaaacttctg	180
ttgatcttca	tgaccgttca	ggaagcattg	gggctattat	ctctctaccg	tattacgaca	240
actagcgata	ctagctctca	agcgcgccag	cccggccagt	ctccggacgc	aagcgccccg	300
ggcagtcctg	cactcgggag	cgttcggccc	gagcaaccat	cttcattcatt	cagttcttcc	360

gagccccctg	ttccccctct	ttcattttct	tcgacggctg	ctggttccag	cttcatgacg	420
cagccaccgg	aggcacagta	ccaactagca	ttcccgaacc	agaatcaagg	tctcaaacgt	480
gatcacagct	tcacgctgaa	tagtctgaag	gacaatgaat	ccgactttct	tgatgcctac	540
gacgcgatt	cagataccga	gacgacgctg	acgacagcga	cgacagccac	gagcaacacg	600
gtcaggaata	tccgttacgg	acggaacccg	acggatgcat	tctttctacc	aaggcgctca	660
gagcttggtc	ctggaatcgg	ggggttaagc	cttgatgata	agcccacccg	gcgagtaacg	720
cgcagtcagt	cgcagagact	cgccggaaat	gagggaattc	gtaaatactc	gatgcgcggt	780
ctgaagtaa						789

<210> 10014

<211> 225

<212> DNA

<213> A.fumigatus

<400> 10014

ccatgttcat	gtttaggagt	cactgtgaaa	catctgtaca	acgagagaaa	tggcagtata	60
gaacgatggc	gtagtagtag	gaatcttaga	aaacagcgtg	atttcacgcg	ccgtgggttc	120
tccgcgttcc	tttttctttc	ttctccgcaa	ctcaccctcg	cttccttcat	ctttccctt	180
gcagccactt	acagagccgt	cggagatgct	tttgatctcc	tctag		225

<210> 10015

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10015

gatttggeta	tcggatccca	cttcacaatg	gttgagttac	aaccgatctt	caagaaggcc	60
tactggacgc	tggccgctgg	aggtctggtc	tatgtgagct	tcatctgcgc	gctcacatgg	120
ccaatgtcc	aaagattgta	tgctttgctt	atccatattt	ctacgaacgc	gacgactaac	180
gattctggcg	ccatgcgcat	agcgccctgt	atgccaacaa	agtcaaccct	gctctgtggg	240
aggatgtga						249

<210> 10016

<211> 1176

<212> DNA

<213> A.fumigatus

<400> 10016

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gtccaaccgt	tcaatctggt	tacccccgat	aatgacacaa	tctatggctg	gcattttactc	120
cctctacacc	tctgccgtga	gcacgaagag	gaactgaacg	caaacgagcc	atctggccca	180
gctgacgact	ataccagac	cccagctttc	aagtttctag	cccacgaccc	taacgctcga	240
gtagttgtta	actgtaagcg	cactggttac	ttcgcttgcg	acacaatcat	gatgtgcaca	300
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agacctgaaa	tctatcgcat	gcttctgggc	ttgtcaagtc	cctccaaccc	cgtccatgtc	420
ttcacaattg	actatcatgg	gtatggagtg	tccaccggct	ctccaacgga	agaaggccta	480
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tccagaattg	tcatcgcggg	acagagcctg	ggaaccgctg	tgagcgccgc	agtcgctgag	600
cgctatgcat	ttggatcgcc	agatcccga	gctgtgcaac	ccgccattaa	tgatcccga	660
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tacagcttca	aaggtcttac	gccgccgatg	ctttctccct	tgattgggta	ccctcgcgta	780
caaagatggg	tgagaagcca	tatcgctgac	cactgggaca	cggctgctcg	tcttgcacgc	840
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agtgtctgga	ttgctgccac	tggtgaaaac	cagaaagacg	cccccgccac	ccttgcgctac	1020
cagaaaaagg	aagagggcgg	tccgaccgag	gtgaagatct	gggagaacag	gtccgggaag	1080

cacgctgtga aaacgggttcg atgggaacgt gtaggctacg gtggtatgtc gcagattcgt 1140
 ttcaatgttc ttgttcacag ggaaagatat aactga 1176

<210> 10017
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 10017
 tacctgtggg aggtgggggg ggggagacgt tcagtaacac attcaagaac ccataaccta 60
 cttatgatta ggatttcctt ttttttgccg ctaaatttct atactctcaa aatcttaggt 120
 cattttgaca ttgtgaatac cgtgcctacc cctatccctt tccattcat atcttccatg 180
 gctcccccag ttgtggtagc ctag 204

<210> 10018
 <211> 831
 <212> DNA
 <213> A.fumigatus

<400> 10018
 ctgtttgatg taaaagatac cggatctaag ccgttcgtgt gcaaagagtg tcgtcgacca 60
 ttgcgccgcc aagatgctct tactcgatcat gaaaagctac atactagggc aacaagctca 120
 actcccacaa tcaaagtgac ccaaggggac actgctatac atcttcctcc ccagactact 180
 gcctcagacg cccatacttg ggattctaca agagctgtaa cagacgatgc ggcgttaaac 240
 cctgctccta gtcacacatg gaacacccct ccgtccgggc agcagtctgg gttccagcag 300
 gctgcctcag atctcgactt ctcttgata tggcctgact cggagaatct gttccatagc 360
 atcatgtctt cggatacgac ggagcattgg cagatgcccc tgggaacact tccatttcct 420
 cccgtggtag aggacgtcag caccatcaat ttcggttctc ccaactcctt cgacgatcgg 480
 agttcctcaa taggcgcgat tccctcaggt ggtagtcacc aagctgtagg ggatgtgacg 540
 gaaatggtag ccagctcagt aagcatcctg acagtatttc tcgtattcgc agaagacctc 600
 attgttctac agtcctcgag tgtgacagcg gccatcaagg cgacctcaat cacatctgtc 660
 tttctcgatg aatgtctgca tatgtttttt gtgagggttca ttcccacctt tccgatcttg 720
 caccgggcca cttttgtttt tcgcgagtg cgcacatcctc ttctgtctca cgcctggcg 780
 cttggctctt tgtatctcgg gccgaaagat tctgtcgcaa aggtaacatg a 831

<210> 10019
 <211> 282
 <212> DNA
 <213> A.fumigatus

<400> 10019
 tgtgggtgctt cgtgctgcag cgtcgatagc aagccgtcca ctgccgaaac tggattcttc 60
 tccgcgctgt catttcttga caaagtcattg attgggtcgt ctgcttcttg ctggaagcca 120
 caatggagcc aaatgcatgt agctaagatt aggcttgagg ctgcgtcgtg ttcgggtgcag 180
 acttactccg gaaatcaagg cacgcctttg tgcaaggaaa tctatgtgca gatctttgat 240
 accaacctga cagatgaggg tttgtttctt gagcgggtct ga 282

<210> 10020
 <211> 561
 <212> DNA
 <213> A.fumigatus

<400> 10020
 ccgacacctt ctttcgatgc cgtttacgct atcgaggcca ccgtccatgc tcctgacctt 60
 gaagggtgtc acaaggaaat ctcccggtg ttgaagcctg gtggagtgtt cgggtgtctat 120
 gaatggctca tgactgacgc gtacgacaac gacaaccctg agcatcgcag gatccgtctg 180

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ggatcgcgagc tgggtgatgg tatttccaac atgggtcaagg tctcggaagg tcttactgcc 240
tttaagaacg ctgggttctga gctgctgcac aacgaggatc tcgcgcgatcg cctgatgcc 300
attccgtggg actaccctct cgccggatcg ttcaagcaca tgacttcgcc ttgggatttc 360
ttcaccattg cccgtatgac atgggtggggg cgcggtatcg cccatcgggt ctgaggagct 420
atggaaacta ttggtctctt cccaagggg acccagaaga ccgcgcgacag tctcgccatt 480
gctggtgact gtctggtcgc tgggtggtgag aagaagctct tcacgcccac gtatttgatg 540
gtcggacgca agcccgagta a 561

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<210> 10021
 <211> 207
 <212> DNA
 <213> A.fumigatus

```

<400> 10021
tccaccggta ccatggatct gatgcgatcg cgggggatga atatcagacg atggatggac 60
ctaagtctgc catcccaggg caatgtgtcg gtgtcatata ttactcacga ccccgctcct 120
acatatatac ccagctcagt cggcgacgaa ggaagttcg cccaccccat cactccttt 180
ccttccttgc tgagctcatt gcaactga 207

```

<210> 10022
 <211> 831
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (648)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 10022
ctcgttgcca ccatgacgca tgagtcagag gtcacgccac ctgtgccgat tagtgacgaa 60
tactatgatc tcggcgcggt cggtcgggaag atcacaacct ccagcgccga cactcaggcc 120
tggttcgatc ggggcctcag ttgggcttac gccttcaacc atgtcgaggg cgcctactgc 180
tttgaacaag ccacgctca cgatccgtcg tgcgccatag catactgggg gttggcatac 240
gcagttggcc ccaactacaa caagccatgg gaacggtttg ataaggacga cctgaagatc 300
tgcataaaac gggcatacga agcgtcgcgc aaggccaagg aacatgcaag taatgcaacc 360
ccaattgagc aagggttgat cgaagccatc caatccgat tccagagcgc ctgcgccacc 420
cagacggcgg aggagcagtc ggcactgaac catgcgtatg cgacggccat gaagcctgtt 480
taccagcct ttggcgacga tctggatgtc gctgctctct acgcagacgc gttgatgaac 540
cagactcctt gggcgctgtg gaatctgtt actggcgaac ccaatcccaa agcagccacc 600
atggaggctc agaagtgat ggaacgcgct ctgactcaaa aagaatcnga gaacaccgga 660
ggctgctgca cttctatatc cactacattg aaatgtcgcc aaattcccaa gttcggtgtc 720
aatgtcgccg aacaactgag tgacttgatg cctgatgcaa gccacatcca ccatatgcca 780
tctcatctcc actttctgat ccgggatggc gggccttcga ttggcttcca a 831

```

<210> 10023
 <211> 645
 <212> DNA
 <213> A.fumigatus

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<400> 10023
ctctcggcat accactgcct ctgcgcgcgtc atgccccgga ttgacacagt ggcgattatc 60
ggcgccggtc cttcagggtc agctcttgct ctggctttgc acaagcaatc cattgcctgc 120
accctctacg aggcctcgcg atccgccctc gacattggcg gcgccatgat gctgtgtccc 180
aacggactga ggatcctcga ctctctgggc gtgtacagcc gcatccgacc agaaggctat 240
gagtttgata agctctactt ccgctccccg gacgaccagc ccatggacac atatgagttt 300

```

```

ggtgggggtgg aacaatacgg ctaccgcgcc atgcgcatgt accgtcatgt tctgattcgg 360
gaactctctg ctatgggttcg cgaagcgggc atccccattg agtatcataa gaaattcgtg 420
cgggtgcttg cagagacaga gaaggacatt acctgggaat ttagtgacgg ctccacagca 480
acagcaacct gcgtgggtggg cgctgatggc atccactcca gagtccgcca ttacctctat 540
cccggcctcg agccatcctt tacgaagatg gtcategtgg cggccgcagt accaacaagc 600
cagctacagg tcccagacag ctacaacctc ccagtgcaca tcctg 645

```

<210> 10024

<211> 420

<212> DNA

<213> A.fumigatus

<400> 10024

```

gcagcagacc attccatcac tcatcagaac gagccatccc ttgcaacagg tctgttaaata 60
agcccacttc cctacaccgt gttttcaaca gcgcgcacgt tgctcagctc tatgactgta 120
gtacggccca tgagccgtat gatgaagcgc atgctttccc tgcgactaa accactccaa 180
ttccctccgg ctcatgtgtc cctccaatt cctcaacacg aacttggtga tgaagaagcc 240
tccccagcgt acaaccccaa atacttctat ccagctaaac caggggagtt acttgccaat 300
cactatcagt tactagttaa gattgggttg ggcacacgtt cgactacgtg gctggcaaaa 360
gatattacaa ggtatacacc cgactttggt tctgtcatgc ctactgcaat aatagtctaa 420

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<210> 10025

<211> 363

<212> DNA

<213> A.fumigatus

<400> 10025

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gaagttgtct ttagatacag atggcagcct gaacgttttg taacctgaa aataataaac 60
aaccgcagcc ttgacgaagc ttaccgtgaa cgcgacattg aggagcacat ttcaaggcaa 120
aatccgtctc atcgcggcgc tgcgatcatt cggacccacc ttgacagctt cgaggtgaca 180
agttccgaag gaagccatct atgccttgca tatgagccta tgccgggaacc tctgtggatt 240
cttcagaaac gctttgttga tcaaagactc cctctcccca ttgcaaaggc atatctcctt 300
attctccttg ctggtcttga ctatctccat tcggaatgcg gggttgtcca taccggcagg 360
taa 363

```

<210> 10026

<211> 381

<212> DNA

<213> A.fumigatus

<400> 10026

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tcttttttgg tcatgctaga tctaaagctt gataacattt tgatgacctt tgaaaatgaa 60
gacgtccttc ccaactttct caaagtacaa atcaatagca tgcctatgca atacaaaaca 120
gagtcagtga ctaggcgaac aatctatcgc tgcacaaatg attttgggcc cctggactgg 180
agagaactga gaaaaatggg gcctaagatt gtcgattttg ggtagcgac ttactcaag 240
agcgacagtc aaggacaagg agggaagagt gaattaggtc tccatccaat acaaccggac 300
cagtatcgtg ctccggaagt catacttggc tgcggatgga gcttttagcgc agacatatgg 360
aattttgggg ttctgggtatg a 381

```

<210> 10027

<211> 417

<212> DNA

<213> A.fumigatus

<400> 10027

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actgtcagca gctccccgat tgaaatgagc cggatccagg taattttttt tattttatcg 60

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cagcagacaa	tcagtatggt	gtcgtgtgat	agatgcacat	cttgtaatga	actcatccag	120
cctacaaaag	cgcgtctctc	atgtgcttcc	tgcgcgcccc	gtctaaccct	atgtgccaac	180
tgctatgttg	tacagaatta	tcctctgcag	caccaggaga	atccctcaca	ttcaatcttg	240
ctgcacgcaa	agagcggtt	catccctatc	cctccaccac	ctccaccacc	acaatcgcag	300
tgggtccgca	gcccataatg	tcctgtctag	cgccgtccta	tacctatttc	aaacagagat	360
agcaataccc	cgccaaggaa	acctccacgc	cctacaaatc	cggaacaaag	aaactaa	417

<210> 10028

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10028

caagctcgct	cctacaacgt	gattttgcag	agaggcctaa	agtcgactta	tctcatcaga	60
tgggttgctg	acatggaagg	agctattttg	gcctctgtta	attgcattgg	cccttatttc	120
ttctttctgta	tcctgtctga	ccccgctatg	ctccgttatg	tcctcgtcgt	ggacagagag	180
tttaactttg	gcccgcgaact	attacagtca	acaaatgcaa	gctccggggg	cagtatccag	240
atctcttaa						249

<210> 10029

<211> 1014

<212> DNA

<213> A.fumigatus

<400> 10029

gcatcgataa	tgtcacttga	ccccagtggt	gtccctagct	ccacaagctc	cccatcattg	60
atctcagtg	ccgacacccc	gaccgatcca	agctccggcc	cgttcaccca	ctctaccacg	120
ccgccctcgg	aagctccact	gcggaaccca	ccccggcccc	aaattaatga	ggcccagggt	180
acgcagtcg	ctacgatggc	cgatcccaac	gacaacagta	atgctggatt	ggataccaag	240
catgagggtg	agccttccat	cgacaataac	ggagtaaaga	cagaggcaaa	gccatctgtt	300
tctgtaacgg	aaagtacttc	cgtaaaaatc	gcatgcaaaa	agcattcagg	aaaagagtcg	360
aacgccgcgg	gccgaaaacg	tgattccaag	aaaaagagcc	ataaatcgat	ctcaacgccg	420
gacgaggata	cgagctcggc	gtcaacttca	tcctctggca	gctgtagtgt	cagcgagtct	480
ggctctcagg	atgacgagac	gtcgtccagc	tcattgtgaat	cagagacatc	tcgaaagaac	540
cgaagcaacc	ggtcaaagaa	caaagccaag	aagatcctta	agggtaaccg	gaagaggaaa	600
tctcgggtccc	atcagcaagt	agcttcggat	acagacacta	ctagcgatga	tatcggcgac	660
gatgacgaac	cccttgacga	gaaaacgctg	agaaggcttt	tggctagggt	ccagacgaaa	720
agggggggcaa	agaagcttcg	aaccaagggg	gaatcttcgg	aggatcaacc	ggaagaggat	780
ggtgaggcca	attctgaaga	actggctttg	ttgctggcaa	aagaattggc	ggctctgagt	840
ctcaaacttg	gcgacggacg	caaactaaac	gatggacgca	ggggcaaaac	tcgcggaaag	900
agacacgcgg	ctgacggtct	cacagatggg	cagaagggca	acctgcagaa	gtctaagcat	960
aaattgaaag	ctgcttcgaa	aatggccttc	aagcgggttg	atcaatgtga	gtga	1014

<210> 10030

<211> 1080

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1064)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10030

gggcgggata	tgctgacatt	ttcttccttg	ttagtggtggg	ataatacgat	ccataattac	60
aagctcaccg	agactgtcga	tgatactggg	gcgaatgagt	gggatcagta	tatttttacg	120

gttcggcgca	agtttgactg	ggagaacaag	tatctggaaa	ctgtcgttga	catcaagagt	180
aaacacttgc	gggacgctct	ggctaagatc	atggacgggtg	tcaagggtgt	gagcttggtg	240
caggagactg	ccgttgctga	tccaaacatg	ctcttctgt	atctcgagga	gactcgcgca	300
tacatgaagg	aactgaagca	gcaggccaaa	aaagaaacga	agaaaaaggc	caaaaagctg	360
gcggatctca	aagcagcgca	actcaagggt	ctcgtcaagt	atctggacac	tgactacgca	420
gagacgaaaa	agactctgta	tcctctgctg	gaagcgaaca	tgatcacctt	cgatctgctg	480
tgggcactat	acaagccgaa	caccatcgcc	tatacatcga	cttacggcaa	tcaggacgaa	540
ccacgtgect	tcaagattga	atacgccacc	aaggaatcct	ccttcatgaa	aggccaatgg	600
tacagcatcg	agggtcgcta	cttggtgag	gacggcaagt	cattcggtat	gggaacaatg	660
gctgctgagg	tagaattctt	caagggcggt	cgcaagatta	cgagcctcgg	gtgttatcca	720
ctcaagtacc	acagggaggc	tgaggagggt	aacgccaaag	tgatcgagcg	cggcaagaaa	780
tttgtggcac	tttgcgggat	gaattaccgc	ttccacaaag	gaatggcttt	ctacaagaag	840
aaacggacaa	tcatcaaagt	caacatcaat	ggtcgagtcg	tggttgatcc	cgcgatccat	900
cgtcgcatca	accccaacta	cccaatcagt	actgttcgtc	ccaaggaccc	tgatatccta	960
ggtgcttcag	atgacaaacc	gagcgaagac	ggatgcaaag	gcggaatgtc	tgattcagat	1020
gtcgatcagc	aacaacccaa	gagtcgagac	tctgataacc	ccanaatctt	gtacaaggtc	1080

<210> 10031

<211> 426

<212> DNA

<213> A.fumigatus

<400> 10031

acatcaaagt	tttcccgatc	taccttggtg	tctttgagaa	tcagactgag	aattcgaagc	60
cgctgtgagg	ccggaggaag	ggtcacaggg	aacttcttag	gcattccgct	aaggatcgct	120
tcatcaatat	cctggatacg	atttgtggct	ccgagaacaa	caaccgctg	cggttcaccc	180
agagaatttg	cgagggtcag	gccatcccag	tgggtcatga	attcggtctt	gacctgcca	240
ctcgctcat	gctcaccgct	ccgccgtgtg	ccgagcactg	catctatctc	gtcaatgaag	300
acaatcgagg	gttgacagct	gcgcgctaac	gagaaaacag	cgttgaccag	cttggtcgaa	360
tcaccatacc	acttctcggt	caaggtggaa	atatggagat	ttatgaagca	cgcgccactc	420
tcatga						426

<210> 10032

<211> 537

<212> DNA

<213> A.fumigatus

<400> 10032

ttagcagaat	ataatataat	attcgtgttg	cctgagatgc	cgaaacgaaa	agcgacaggc	60
aggctttctg	gtcaggccgg	ctcggtggt	gcgaatgcca	tgagggtcaa	tggcaatgat	120
gctggacagc	gcgaaaacga	gcgtccagct	aagagagcaa	gaggaaggcc	gcgatccaag	180
tctgttgaaa	gcaagccgcc	agccgaaacg	aagcgtaatt	cgacagtggc	ccaagcgcaa	240
gcccctgaca	gtggtccaaa	gaaagcatcc	aaacggggac	gaccaaaggg	tagccgaaac	300
tcggcgacag	gcgcaactca	agaaggtccg	gagaggaaag	gtggcaacga	gaaaatcaag	360
gatgaggttg	gagtcgaaga	attcgagagt	ttggcgcggt	ccgacgacga	gctggacggg	420
gctcccgttg	ctactaagac	aaatcaaaaag	gcaaaaatcg	ccaaacctgc	agctacacgg	480
ggacgcaaga	aagtcagtcg	tggaaagcag	gtgcagacag	atggcgagtt	tgaatat	537

<210> 10033

<211> 1134

<212> DNA

<213> A.fumigatus

<400> 10033

tctgcctccg	catactttct	cattcgctac	cttttatcgc	gccttgattt	cgaccagag	60
agccagaaga	aagaagagca	acggcgcaaa	tctgccgcca	ttctgcggaa	gctcgacggg	120

ggagaggaat	ccgatgggga	ctcaccacgc	aggggggcta	aaaaggcgcg	ccgacaaagg	180
aggggagatt	tggtcctcaa	ccagtacgag	caagccatcg	ctatggatgt	tgtcgctccc	240
gatgacattc	atgtctcatt	tgaggacatc	ggaggcctgg	atgatattat	cgaagagctg	300
aaggaatccg	tcattctatcc	tctgaccatg	cctcatctct	actcttccac	gtcatccctt	360
ctcaacgcgc	catcgggagt	attactttat	ggccccccag	ggtgcggaaa	gactatgctt	420
gctaaagcgc	tggctcatga	gagtggcgcg	tgcttcataa	atctccatat	ttccaccttg	480
accgagaagt	gggtatgggtga	ttcgaacaag	ctgggtcaacg	ctgttttctc	gttagcgcg	540
aagctgcaac	cctcgattgt	cttcattgac	gagatagatg	cagtgtctcg	cacacggcg	600
agcgtgagc	atgaggcgag	tggcatggtc	aaagccgaat	tcatgaccca	ctgggatggc	660
ctgacctccg	caaattctct	gggtgaaccg	cagcgggttg	ttgttctcgg	agccacaaat	720
cgtatccagg	atattgatga	agcgatcctt	aggcggatgc	ctaagaagtt	ccctgtgacc	780
cttctccgg	ccgcacagcg	gcttcgaatt	ctcagtctga	ttctcaaaga	caccaaggta	840
gatcgggaaa	actttgatgt	tcattatttg	gtcaaggcaa	tggccgggat	gtccggtagt	900
gatatcaagg	aagcttgccg	ggatgccgcc	atggtccctg	ttcgagaact	ggatccacaa	960
aagaaagcag	aaggcattcg	gatgacatcg	gtaaaccgca	cggagttcgc	cgggcttgat	1020
acaggggact	ttttctctcg	agccggaggc	cgtcagggtc	atttcgcaac	cctgtcagca	1080
ccagacagga	cttaccagct	aagccagttc	ggagaaagag	tggagcactg	ctga	1134

<210> 10034

<211> 636

<212> DNA

<213> A.fumigatus

<400> 10034

tcatgccccg	gctgggaaat	gagactgcaa	agtacgcgaa	cttcttgttt	tgaaactgag	60
acacgtactg	aattagactg	ggcaatatca	gagcagagtt	gggacgtgcg	acctggaaat	120
atttccatac	catgctggct	cggtatccag	aagacccgac	ggaagagcaa	caggaaacat	180
tacgctcggt	tatctctctc	tttgccgcgac	tttatccttg	gtgcgttttt	cgttggtgac	240
ctaacgaaag	acctttcaga	agctgactcg	tggactagcg	gtgaatgcgc	ctctcacttt	300
caaggtcacc	tgaagaaata	cccgcacaaa	gtgtcttcaa	ggaatgcggc	tgcaggctgg	360
ggctgcttta	ttcataacga	ggtcaatata	atgctaggga	aaccggaatt	tgattgcaac	420
aacatcggcg	acttttatga	ttgcgggttg	gcagaggacg	agaaggcagc	cggccataaa	480
gacaagtctc	aagctgcgag	tcgggggtgtg	cctcagaaaa	aggatcacga	aggcgacgct	540
actacgcctg	tcgagataca	caaggagccg	tcagtagccc	ctcagtattt	cacatttcag	600
ctgctgacag	accatcgag	aactactcgg	ggctga			636

<210> 10035

<211> 210

<212> DNA

<213> A.fumigatus

<400> 10035

tactcgctta	tctgcaaggc	gttgggtgca	aacacaagct	tcagcatgtc	catatcagtt	60
ggaggggcat	atgacagtct	gcacaaggct	acacatgaat	tcctctctgg	acgtgtgact	120
tttaattggca	acctccaagc	attcgtgact	cacacaactg	accgtggcca	ttcaaaggag	180
gcagttcctt	catattgccg	tcactactag				210

<210> 10036

<211> 564

<212> DNA

<213> A.fumigatus

<400> 10036

gtacaggttg	cttgggtatc	aggcgatgaa	gttcttttcta	caatcaagaa	atctctacag	60
tctgggaaat	ccacgttttag	caacgtctac	actggcgaga	aactctcaga	atggtcattt	120
gagccaatat	acggccaatg	ttacctgggg	ggtctcggaa	tcgctgcggc	tctcgctcaa	180

ggagccgaca	ttgttctgtg	tggacgagta	tcacacgcgt	cgcccgtgat	cggtgcagcg	240
tactggtatc	acggatggga	ccgcaatgac	cttgatcaat	tggcaaagtc	atttgtggct	300
ggccacctca	ttgaatgcaa	caactacgtc	tgtggccgta	actttacggg	cttcaagatg	360
ctggaaaacg	ccggtgggtga	tggctggacc	aatatcggat	atcccattgc	agagatctcc	420
gcacaacgcc	acgtgggttca	tcccaagcaa	tcatactctt	ccggtgggtgc	tgtccccgtt	480
ccacacatgt	tcctcccca	ctgctgttac	cagaatcaac	gcccgttggg	actttcacct	540
cccaatgttg	aatgccaata	ctga				564

<210> 10037

<211> 258

<212> DNA

<213> A.fumigatus

<400> 10037

aaggtgctcg	ccaataaggt	ccttcacgag	gctttaatct	ctgaatctag	cctcctctcc	60
cggtttttga	tcccaatgat	cgctgcagg	gtgtcggttc	attggtttca	ggcaacttct	120
aagattcctg	actccaagtt	acattccctt	tcactgttca	ctgcccctac	cgaaccatgt	180
atccatcttc	caatagcgac	tctgtaccat	atgcaaacc	tatacgaaac	tacgcagaca	240
tttaataatc	ataagtga					258

<210> 10038

<211> 255

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (221)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10038

cacctgttta	atttctcctt	cgttccctt	gataagatca	aagtaacccc	cgctcataag	60
ctccttgacg	gccccacgcc	ggatatgggt	cgagcagcg	ccaacgggg	cgtagaccac	120
aggatttccg	cgttcggtgt	aagatttgat	ggcttggagg	tagttcggta	tactttcgcg	180
cgacaagggt	cccatattga	tgacaagagc	tccgtcgaat	ntggccagg	cgactgcttc	240
ttcacccgtat	ggtga					255

<210> 10039

<211> 690

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (523)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10039

cttgccagta	aaacgaacac	aaaacacatc	ctcggaaccg	cgggcacgca	ggcgattctt	60
gacgctatct	ccgactcgag	tcgaaatgtc	gggaccgtcg	ccatcggcgg	tattaagctt	120
tcgaacgttc	agcgtgtgat	ctaccagtc	aaagcgccca	ggaagggact	ggatggcgtc	180
gctatcgtca	gtgccatcat	ggcagctgac	gacccacg	ctgcagccga	ggagtttgtc	240
aagcgtatca	acaaccac	tagctttgca	tgggagccca	aggcacctcg	agcgaacgaa	300
gctgcggcat	tggccgaaga	ggtggctcaa	atcgttcaga	agatgggtta	ggcacacccc	360
ttgggtccata	acatgatcaa	ctacgttgtg	gccaattttg	ttgccaatgt	tgctctcgcg	420
atgtacgtct	gtatttgat	cattattgat	ttgtctaatt	ggcttgcaga	ggcgcttccc	480

cgatcatgtc accatacggg	gaagaagcag	tcgacctggc	canattcgac	ggagctcttg	540
tcatcaatat gggaaccttg	tcgcgcgaaa	gtataccgaa	ctacctcaa	gccatcaaat	600
cttacaacga acgcggaaat	cctgtgggtc	acgaccccg	tggcgctgct	gcgaccata	660
tccggcgtgg	ggccgtcaag	gagcttatga			690

<210> 10040

<211> 198

<212> DNA

<213> A.fumigatus

<400> 10040

ccagaagaga gcgtacgcta	caccgtcctt	gcaagtggga	tcgagttgct	aactctgtca	60
ggaaacgtcg tccttttgac	cggcgccgct	gactatctaa	gcgacggcga	gcgtgtgatc	120
gctgtcgaga atggtcata	attccttggg	caagtcaccg	gcgtacgtct	attactctct	180
tcttcaagcg	cttgctaa				198

<210> 10041

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10041

ctcaacgtac agactgggtg	tgccgtggga	atgggtatccg	gctgcttct	ggctgtacac	60
ccctcagaca agctcctggc	cgttctgtcg	ggtctcctga	tgtatgagat	tgccggcgga	120
aacgcgcgct caaaggaata	cgctccgtgga	ccaggaagct	tcgtcccggc	tttctctggc	180
gagctctacg ccatccggca	agcagctcta	aaggggtgatg	acagctgggt	ctccggacgg	240
gcaaagatcc aagagatcaa	actatag				267

<210> 10042

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10042

acgatgtgtc ccgtatacct	gttaataaaa	agctgtgata	tttgcaatat	ggccagctg	60
actggcttgc tcggagaaca	atacctagaa	ctgtttctgt	tgaagcctga	tttctcgggc	120
gaaaagcttc cccgcactgg	tccgactgtc	ttcaccacgg	ggctggaagg	atccgacg	180
ggctctatgt	ctata				195

<210> 10043

<211> 213

<212> DNA

<213> A.fumigatus

<400> 10043

tgtgttacat caggcgtgac	tatcgttcaa	tatagagaca	aaacgagcga	cacaggggct	60
ttgattcaaa cagcgaaaga	gctgcacaaa	atcaccaaag	cttatggagt	cccactgttg	120
atcaacgatc gtgtagatgt	cgcctctcgt	gttggggcag	aaggcgtcca	tctcgggcaa	180
gacgatatgt gtacgagcca	tgccctcagg	tga			213

<210> 10044

<211> 516

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (65)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10044

ttggcttgca	gaggcgcttc	cccgatcatg	tcaccatacg	gtgaagaagc	agtcgacctg	60
gccanattcg	acggagctct	tgtcatcaat	atgggaacct	tgtcgcgcga	aagtataccg	120
aactacctcc	aagccatcaa	atcttacaac	gaacgcggaa	atcctgtggg	ctacgacccc	180
gttggcgctg	ctgcgaccca	tatccggcgt	ggggccgtca	aggagcttat	gagcgggggt	240
tactttgatc	ttatcaaggg	gaacgaagga	gaaattaaac	aggtgtcagg	aagccgtaat	300
gcggtccagc	gcggcggtga	cagcggacca	agcactcttg	acgggtcaaga	gaaggccaga	360
ttggcccgcg	acctagccag	aagagagcgt	acgctacacc	gtccttgcaa	gtgggatcga	420
gttgctaact	ctgtcaggaa	acgtcgtcct	tttgaccggc	gccgtcgact	atctaagcga	480
cggcgagcgt	gtgatcgctg	tcgagaatgg	tcatga			516

<210> 10045

<211> 525

<212> DNA

<213> A.fumigatus

<400> 10045

tctggatcag	tgattcaagt	tggttcgggc	agaacatgt	gggatgtcat	cccatggac	60
aacatcaccg	aggtgaacaa	ggttggtggc	cgtttgtccc	tgagtccaac	ggccagcgca	120
ctcacctatc	attcacagcg	cttcttcgcc	ttcgtcgtct	tatacaagac	gcagatctcc	180
ctcgccaaaa	tttcggtctg	cctcttcctt	ctgcgaatct	tccagaccct	ggcgttccga	240
tacacgacgt	acgcgatcat	cggactcaat	gctgctattg	gagtgcgctg	ggtccttgtc	300
gactcgctgc	gatgcaaccc	agtccatctg	gcatgggacg	gctggacagg	agagacgccg	360
ggaacatgca	tcaatttcac	cagcgcgaca	ttcgccaatg	cgtttgtcaa	catcgccgtg	420
gatactgtca	tggtgctgat	gcctgtctat	gaaatttcga	agctcaacct	gtcgggaagg	480
aagaagcttg	gtgtgagtgt	catgttcgcc	atgggtctag	tgtag		525

<210> 10046

<211> 504

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (166), (456)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10046

agatttatatc	cagaatggca	gtggcgacgg	gcacatcagc	ttatgctcca	gtccaaattc	60
ataatcacga	agcagtgcac	ggagcgccat	cccagccaac	caccatgccc	ccctaccgac	120
caccaaacga	ccaagagatg	gtgcccattg	tccctctggg	actggntctg	ggagctcgca	180
gcatgcgtcg	tggccatcct	cacgctgac	ggcatgatcg	cggctcctgcg	catttacgac	240
ggaaagacgc	agccaaactg	gccagcgggg	atcaacctca	acgccatcat	cgccctgctg	300
acgactctca	tgaagactgc	catggccaca	tatatcgcat	aagctctgtc	gcaactcaaa	360
tactcttggt	tcaaggatac	acgcagattg	agtgatcttg	ctgcactcga	ttcggccagt	420
cgcggtgcgt	ggggtgcagc	acagctcttg	gtgaantacg	tgccctcggg	cgcaacctct	480
ctcccatcac	tggtctctcg	ctaa				504

<210> 10047

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10047

tcgggggtcc	cagggcgccg	tgtatcagtt	gttaaaccgc	tgggcgccc	cgcatgcaat	60
gtccccgtcc	accagggccg	gccggaggga	gaagctgcc	cactgttccc	tttgattctg	120
gcttcagtct	tgttcttta	ccgaatggcc	gccaaatcca	tgggcctggc	tggtggttgg	180
ggctccgacg	agtacaccat	catcgccgcc	tatgtacgat	atcctctttg	a	231

<210> 10048

<211> 501

<212> DNA

<213> A.fumigatus

<400> 10048

ctttgctttt	ggtgggctag	gatacctgtc	aatgttggtt	tcggccataa	gattgttgcc	60
cagctcccaa	tgctaaccgc	tgtcgttgt	aggttccctc	ctggacagat	gcatgtattc	120
cgccctagag	ctgatctctg	gcgtcgcatt	ctggctttta	taccgatgtt	gtgcgcgctg	180
atgatcgcaa	tctcgcgcct	tgaggactat	cggcacgatg	tctatgatgt	gacctgtggg	240
tctatccttg	gcctgattat	tgtcattttc	tcctaccgac	gctactaccc	tccgttgccg	300
tctgtcgcct	gtgatgttcc	acacgaggct	tatgaaatcg	tcgggtccaaa	tggtctttct	360
aaactgccag	gcgatgagga	acaacagatc	caagaacgag	gtctaggctc	acgtggctgg	420
gaagcccaaa	catatcagct	ggaggatctg	ccttctcatc	acgatcggtt	gcactatacg	480
tcctcggcta	ctcctgcata	g				501

<210> 10049

<211> 432

<212> DNA

<213> A.fumigatus

<400> 10049

gcattctcag	aatctgacac	cagtttgccc	tacgctcata	aattgccagt	atggtcgatt	60
atctatgctg	gtgtcgtccc	acttctgatt	ctggtttgct	gggcagccat	tttccgcccc	120
aaaccatacc	aggttcaagt	cactattctc	gggctactcg	tcgcgcttat	gttgacttcc	180
ctgattacgg	acatcatcaa	gaatgctgtt	gggagacctc	gaccgatctc	tatctcacgg	240
tgtatgccca	agaagggcac	tccggccaac	acattggtag	cctggacggg	ctgtacacag	300
tcgaacaacc	acatactcca	ggagggatgg	agaagtttcc	ccagtgggtc	cagtagcttt	360
gcttttggtg	ggctaggata	cctgtcaatg	ttggtttcgg	ccataagatt	gttgcccagc	420
tcccaatgct	aa					432

<210> 10050

<211> 357

<212> DNA

<213> A.fumigatus

<400> 10050

gaggggttct	tcttcgaacc	agatgaggag	cgcggtgaga	ttaagatctg	cgacgaacat	60
ccgggggtata	ccaatatggt	acagtctgcc	gacggcacga	tgatgagcat	tccttttgaa	120
aagactcaga	ttcctaaaga	agccgagacg	agggttagag	ctctgcttaa	agagacgatg	180
ccacagcttg	cagaccgtcc	attcagtttc	gccaggattt	gttggtgcgc	cgacactgcc	240
aaccgggagt	tcttgatcga	tcgccatcct	cagtaccatt	cgcttggtgt	gggctgcggc	300
gcttccggca	gaggtaaagc	tttcacatca	agagatgtta	aacgcaacaa	tcgctga	357

<210> 10051

<211> 348

<212> DNA

<213> A.fumigatus

<400> 10051
 ctgccactcc tcaggggcag agtagtcact ttaatatattg agaataacga tgtcaaagggt 60
 gccgttacgg cagacggcaa gatttggcgt gcagagcgca cattcttttg cgccgggtgcc 120
 agcgttggtc agttcctcga cttcaagaat cagttgcgtc caacggcatg gacgctgggt 180
 catattgctt tgaagcctga ggagcgggct cttcacaaga atatcccagt tatcttcaac 240
 attgagaggg gttcttcttc gaaccagatg aggagcgcgg tgagattaag atctgogacg 300
 aacatccggg gtataccaat atggtacagt ctgccgacgg cacgatga 348

<210> 10052
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 10052
 ggattcaaat atctaccttc aattggcaat ctcatcggtg atgctatgga aggcaaggtc 60
 cctcaaaaga tccacgaact gattaaatgg aaccagaga ttgctgcaa tcgcaactgg 120
 agggatactt tggggagatt cgggggtccc aacagagtaa tggacttcca cgacgtcaag 180
 gagtggacaa atgtacaata tagagatatt tccaagttat aa 222

<210> 10053
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 10053
 ccactgggga aacttctcca tccctcctgg agtatgtggt tgctcgactg tgtacagacc 60
 gtccaggcta ccaatgtgtt ggccggagtg cccttcttgg gcatacaccg tgagataaga 120
 tcgggtcgag gtctcccaac agcattcttg atgatgtccg taatcaggga agtcaacata 180
 agcgcgacga gtagcccgag aatagtgact tga 213

<210> 10054
 <211> 1881
 <212> DNA
 <213> A.fumigatus

<400> 10054
 ggctctgcca ccaattatga taccaaggct ttttttccca gtctcccacc gcttttccca 60
 aactccgga aactcgatcg caagaagctc cgggcaaccg ttgagacttt acccaaagat 120
 cagctcaaat cttacgctac actgacggct ggctccagac aagcgtctga tgagggagtt 180
 gaggggacac tcagaagcct ctgggaagaa gctctgggtc ttgcgtcagg ttcgggtcagt 240
 gctgaagaca gctttttcag cttagggtggg gattctttct ccgccatgaa gctcgttgga 300
 gccgccaat cccagggaat ctctctcaca tttgccgacg tttacgagga tccagtcttt 360
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 ccgtttagcc tgctgcccgc ctcatcgac cgtgaacagc tcttggagga agtagcggaa 480
 caatgtggcg tgctcgagc atccattgtc gatctctacc catgcagccc tgtccaggag 540
 ggtctctca ctttgtcagt caagcagaac ggtgcttata ttgctcagcc aatcttccgg 600
 ctctcagagg gaatagatct cgacatgttc aaagctgctt ggcaacaggc tgtggatgag 660
 ctggatatct tgccgactcg tattgtgcat actgagcttc tgaacttttt gcaggctggt 720
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tctgcccata	ctggatccag	tgatgtatgc	ttcggcgaga	cgctcatggg	aagaaatata	1260
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caagttgaca	atgagctgcc	aattaccag	tatctggaga	atatgcacca	tctgacgacc	1380
acaatgcttc	ctcatcagca	ttcaggactg	cagcaaattc	gaaaactcaa	cagtgcacaca	1440
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aaggccttgt	gggtggctga	acccatccaa	accagtggag	acttcttcac	tcatccactt	1560
gtcgctgaat	gcaaggctga	tacttctgag	gtgtcgatta	cgatgcacca	tgacgaaatc	1620
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cttgatagca	aggaagtgcg	actatggaac	aagaaggcac	ctgagggcgt	tgagaaatgt	1800
gctcatgata	tcatttccga	gagatgctct	acccaccccg	acgctccagc	tgtctgcgct	1860
tgggatggcg	aagtctcgta	a				1881

<210> 10055

<211> 1446

<212> DNA

<213> A.fumigatus

<400> 10055

aaagagatgt	acacacttgc	ctcgtctttt	gcgtcctatc	taacttgtcg	tggcggttggc	60
ccagagactt	tggggccaat	ttgcctggat	aagtctctgt	gggcaatcat	cacaattctg	120
ggaatcttga	ttgctgggtg	tgcttatgta	ccactcgatc	ctgttcatcc	aacatctaga	180
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tatgcaatct	ttacctcagg	aagtactggg	cgcgcccaagg	gcattatcat	cgaccaccgc	420
gcacttgcaa	gcagtgccat	ggcattcggg	ccgattgtgc	acttgaatga	gacttcccgt	480
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gcacaa						1446

<210> 10056

<211> 843

<212> DNA

<213> A.fumigatus

<400> 10056

gttgtcttgt	accgctcgaa	agaatacgat	acgaaccgcg	acccccgggg	tccgctctct	60
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ccagtggaca	tcgccgaggg	gatctcgcgc	catcaccacc	accataagaa	acatgggtgg	180
cgtcacagtc	acgacgagga	ggttacctgc	ggctgtgagg	cacggatagg	gaggagtgtg	240
aaatcaaagg	acgggatccc	cccgggaagac	caggtgcggt	cacagctggg	cgcggtggcg	300

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agtatccgcc gatcgctcgtc cgattccccc acatcgagtc catccgggttc tgcagacgag 360
gaagaggacg acgatgaggg cgagcaagtt ggtagtgaaa gtacgagctt tgtctctgct 420
cccgatcgga tatccaggaa tagcgtgccg gcgccgagaa gtcggatatc agatcagttc 480
acaatgcaat cggattccac agaaacgcat gtcgagagcg acgaggacag tgggtgaactc 540
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ctgtaccacg acaggacggg ggccgaaacc ccgacagtga tgggcgtacg gagtggcttc 780
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taa 843

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<210> 10057

<211> 756

<212> DNA

<213> A.fumigatus

<400> 10057

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gaggcgacca gtatttgggt caagggcagg gagttttccg tggagaggct tctcggcaat 300
gcgtaccggg aggatgctcc gcgctataag aatggagcct tgggaatttt ccgcctggct 360
cctcaggact accaccgctt ccatattcct gttgacggtg ttatgggtac cccaagacc 420
atcgagggcg agtactacac agtgaacccg atggcgatcc gttctgcact ggatgtgtac 480
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gtctgtgtag gggccatgat ggtcggaagc acggtgatca ctcgaaaggc aggcgagaag 600
gtcactcgtg gcgaagagct tggatacttc aagtttggcg gaagtactgt gctgctcctc 660
tttgaggaag gcgtgatgaa gtttgataaa gacctgggtg ataactctag ggggtgctttg 720
gagactttgg tgagcacaat caatcccctt tgctga 756

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<210> 10058

<211> 606

<212> DNA

<213> A.fumigatus

<400> 10058

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gctgaagaac aaacctgtct tgatcaagag agcagagagg ttccggggcg agaaactggc 120
gagggcaacg acgacaagtg gcaagaacag acacacggag agttttagt agaatcagtt 180
gcagagaggg gatcaggtga gagagacagt ctggctagta acaacagtct gtcaaaagaa 240
gagttagtcg aagagggaga accagccgac aaggaatcgg tggacgagca atcgggcgcc 300
attgaattag ccgacgagaa gtcagctgac aaggaagcag atgaggagga atgcagcgag 360
gaggaatcgg acaaggagga tctggcgccg gtttcagctg cctactattc agggataaag 420
gtttacggct acgggtctct ggaccgtccc tggattacgc gcgacggcca ggatttcatt 480
tggctacccc ccgaattccg ccccagatgc tctgccgtac agggcgacac aattgccatc 540
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gcttaa 606

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<210> 10059

<211> 645

<212> DNA

<213> A.fumigatus

<400> 10059

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aattcgtctg	tatctgccaa	catgactatt	actcaagagc	tcgtcaaaga	taagactgca	180
gaggattctg	atcgaccgtc	tgccgagcaa	ccaccgggct	atgaccagat	tgacgagcaa	240
ccatcaacaa	tcccaccgtt	ggatctgtcg	cacaatgccg	gtccccctgc	gtcaacaacc	300
gtcaccaggg	accagtgtgt	cgctcatctc	aaattcatcg	cggcattagc	ggacctgcgt	360
gatagtgtgg	cggggaacga	tggcctcttc	ggcctccatg	acccgccgcc	gaccgagttc	420
cctgaccaca	tcaacgaggt	tcgggctcgc	atgagagaaa	agagatgggc	tgtctatacg	480
gctagagcag	ttgatcgtaa	cacgaagtgg	tgggtgaagt	gcgtcccca	cgacaggcca	540
cgcgctcgcc	ttacggactt	gatggatgag	agctatgatc	acattacca	agacatccgg	600
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<210> 10060

<211> 534

<212> DNA

<213> A.fumigatus

<400> 10060

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aaccccgagag	ccttcctcga	ggactgcatt	cggctctggga	agatgtgctg	ctgggcgagc	120
ggtttccctt	gggaaacgat	caatgactgt	atcgataacc	gaaccctgga	gtatgacgcg	180
ggggatcgcg	cgagggtcca	tttcaaccgc	atgacgcgct	ttgcatggga	aaatctggac	240
gatcccctga	acaagttaat	cgagtgtccc	gcttgtgaaa	atacagtatc	ggtgccttgg	300
actcaaggca	gaatctccct	tccgcttcag	acggcgcttg	acaagttcaa	cggctatgca	360
gacaagaact	tccacgtaaa	atgccc aaag	tgcggctcga	cagtcgacca	cgagctgctg	420
agagtccgaa	aattcagaag	ggatgtcgcg	aattggctga	aagagaagat	gccgatgcca	480
gggacattgt	acaatatgcg	tggaaatccc	caatcgacca	ggagtcaaac	tcgt	534

<210> 10061

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10061

tggaaggctt	ccagaaacac	gttcttccac	cataccacta	ctgtatggcc	catttatttt	60
attttatttt	atttttcttt	tatattgtta	tttttatctc	gtctatttaa	caattatcta	120
gttagtatgt	gcgttttgat	tgcgatgatt	attattaata	gcaagtattc	ggcgcgtttt	180
attattttcaa	taataaatca	tttattttca	agggttaata	ttatttcatg	a	231

<210> 10062

<211> 183

<212> DNA

<213> A.fumigatus

<400> 10062

cctgcagaaa	ggaaaaagag	taatcaacgg	caagtggata	atacgccaaa	tacaatcact	60
attttgggac	ttacgacttg	cgacttgcca	ggcactttct	ggcccgttta	tactccccct	120
actgcaagat	tattcgccat	tgtgcgacat	atggaacctt	acaagtgcag	acgtactatt	180
tag						183

<210> 10063

<211> 288

<212> DNA

<213> A.fumigatus

<400> 10063

agtctcgcta	accaggcggt	aggaggaggc	tggggctttg	gcgcggctat	atctcggcgg	60
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tttgggtgagg	agggcgccaa	ggtgattgtc	gccgatatcg	atgtcgagaa	cggagagaag	120
atcgccgcgc	aaaatcccga	aaacttggtt	ttttacaaga	tggacgtcac	aagcgcttcg	180
gactgggacg	aggatcatgga	tcttgccctt	gccaagtttg	gtcgattgga	cgtgctggtc	240
aacaatgccg	gaactacata	caggaataag	gttcggacta	tcagatga		288

<210> 10064

<211> 243

<212> DNA

<213> A.fumigatus

<400> 10064

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tgggaacgtg	tgttcaatgt	taacgttcgg	agcatcttcc	ttggatcgaa	agcattgatg	120
ggcggttga	tccagcaggg	ccaaggaggg	tctatgatca	acatctcttc	caccggagcc	180
tcgagaccgc	gaccgggatt	ggtgtggtac	aatgcatcca	agggcgctgt	ttccaatgta	240
tga						243

<210> 10065

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10065

gccaccaaag	ggcttgccgc	tgagtacggc	ccccacaata	tccgcgtcaa	cacagtcagt	60
cctctcttgt	ccgggacggg	cctatcttcc	atgttccactg	gcatggagga	cacgcctgag	120
aaccgtgaga	agtttatcgg	gaatgtgccc	ctcgcccggt	tgaccgaccc	aatgatgtg	180
gcgaatatgt	gtttgtacct	tgccagtgat	gagggcagtt	tcatcaacgg	cgcgagatg	240
atcgtcgatg	gtggcaagtg	tatatga				267

<210> 10066

<211> 234

<212> DNA

<213> A.fumigatus

<400> 10066

aatgcgacca	cagacgagat	ccgtcgtagc	gaaatgattc	actctagatc	atatacactt	60
gccaccatcg	acgatcatct	ccgcgccggt	gatgaaactg	ccctcatcac	tggcaaggta	120
caaacacata	ttcgccacat	catttggtgc	ggtcaaccgg	ccgaggggca	cattcccgat	180
aaactttctca	cggtttctcag	gcgtgtcctc	catgccagtg	aacatggaaa	atag	234

<210> 10067

<211> 939

<212> DNA

<213> A.fumigatus

<400> 10067

gatgatagaa	gcaagttttt	acctagaatg	ctagcaggta	ttttgatcga	ggtcgaacgc	60
atagtagatt	gttggcaatt	cacattacgt	gggagttatg	ataatcacgt	gactaaaata	120
tcaccatttt	tgttctcttg	aacggcagag	gagagacaat	cgaacaacgt	caccaatcga	180
ccaatcatgt	cgtctcctac	agtgtcggca	aagcttgaag	gctcgaagga	gcagtccaaa	240
tcggctccgg	attccaagat	cgatcatgcy	gcctcggtga	agtattggaa	cgatgtccct	300
gctacctcca	acggcatgct	ggccatgctc	ggcgattatc	cgtggtattc	ccgcattgac	360
ctacgaggat	cacgggacct	cttggccaaa	gtgcgtcggc	ttttaccatc	ctgcagcaca	420
gaaggcaagc	tcaaaactggg	ggtggattgt	ggtgccggag	tcggacggat	aacggaaggg	480
tttctcagtc	atgtctcgca	ggttgtggat	gtggtcgaac	cggtcgcaaa	attcaccgag	540
gtcgtgcgca	acagctccct	gaagaaggat	ggtattgttg	gggatatcta	cactgtgggg	600

cttgagaact	ggtatccgga	gaagaagtac	gatttgatct	ggacgcagtg	gtgtgtggga	660
catctgacgg	acgcgcaatt	gcttgaatat	gtgaaacgat	gtcgggccgc	cttgacagag	720
actggcatta	tggtgggtcaa	ggagaaccaa	tctacggata	tcaacgggga	ggacatgttc	780
gatgaggttg	acagcagcgt	caccaggacc	gatgagaagt	tcaagaagat	ctttaaggaa	840
gctggaatga	cgtcttcct	ctcggagatt	cagacggggt	tcccgaaaaa	tttcaggctc	900
ttgcgggtca	gatcgtacgc	gttacggccc	aatagctga			939

<210> 10068

<211> 1050

<212> DNA

<213> A.fumigatus

<400> 10068

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ctctctgcca	accgctacct	cgaagcggtta	gaagatgccg	agcgcgcact	ggagctcgat	120
cccgacaact	ccaagatcat	gtaccgcctg	gcccgcattc	tgactgcgct	ggggcgctccg	180
tccgaggctc	tgcagggtttt	atcccggtgtt	cagccccccg	cctctgcgac	cgaccgtgcc	240
gtccagaaa	agatgcagcg	cttcatcaaa	caggccgagg	aaaccttggc	ggaagatcga	300
ggtgtgtcga	tggtgctatt	ctgcattgag	caggcacggc	agctgctggg	ccgtggagtc	360
aaggaacccc	gcaagtggac	tcttctgacc	gccgaagcac	aactgaagat	gggcagcgaa	420
aactcgttta	ggaaagcgca	ggatatcgcc	atctctatgc	tccgtgagaa	caaccaggac	480
cctgatgccc	tcatgatccg	tgctcgtgcg	tactacggct	tgggagaatc	cgaacaagcg	540
ctgaaaacgc	tcaagatgtg	tctgggtctg	gatcccgaca	tgaagccggc	gatcaagatg	600
ctgcgcactg	tccagaagct	caccgcgacc	aaagaggaag	gaaacaatgc	tttcaaggcc	660
aaggattacc	gcaaggctat	cgagctgtgg	tccgaagcgc	ttgaggtgga	ccctcagaac	720
aaggacatga	attccaagat	tctgcagaac	cgagctcagg	catacatcaa	cctgaaggaa	780
tacgagaacg	ccatcaacga	ttgcaatgag	gctctgaaat	tggtaccctc	gtacgtcaag	840
gcgcagaaga	tgcgcgccaa	ggcctacggg	ggcgccggca	attgggaaga	agcgatccgc	900
gactacaatg	cggtggccga	tgccaacccc	ggtgagatag	gcatccagga	agacattcgc	960
cgcgagagtg	gtgagctgaa	gaagggtcaa	cggaaggact	actacaagat	tctgggtgtc	1020
tccaaggatg	catctgagtc	ggagattaag				1050

<210> 10069

<211> 918

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (578), (659), (683)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10069

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ttcgccgaca	ttcgataccc	tcagccaatc	agggactgca	attctgataa	ccagaaaaag	180
accagaacag	gaaaacgcgg	taaagaagaa	aaagatatgg	ttcttcctca	cctctttgcc	240
cgtcacaaat	ccaagcgatc	cacttcatcc	aaagaggatt	cgaagaagac	ttcatcgcca	300
aaaagtcctc	ctccatcgac	ggagaccctt	ccttctcggt	cgctctcgac	ttcgacgtct	360
togtctcgcc	acacccccag	tcattcatct	catcatcttc	gctctccctc	acaccacccg	420
cgaactcccg	ttctctcttc	tcattcatct	ttcatccacc	gtcctctcat	tcctcgagat	480
cgtccaaatt	ccaagtcgag	atcccacacc	tccgctaaat	ccaaatcttc	ctcgtccaag	540
gacgcgcggc	ccgcgcggag	gttcagtttc	cctgcttncg	ggctctcctc	caccttcgat	600
cgttactcgc	acgatcccgga	ctttcatcct	ttgaatcttc	accccgacga	gctacgtcng	660
ttatccgcca	tggtcttctgc	cgncgatcgc	agttcgatgg	atatcgattc	gcctggctct	720
tcctcccaga	acatcaatgg	ggtgaacggc	gttcagactg	accgggttct	accccgccgc	780

cgacacaagtc caatggctcg gtcgccgaag ccgactcatt caaattggcg ggcaataaat	840
ttttcaagga cggaaattac aatcgcgcaa ttgaagagtt caccaaaggt gagtatgcaa	900
ttttcgtctc taaaataa	918

<210> 10070
 <211> 528
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (472)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10070	
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ctcacctctt tgcccgtcac aaatccaagc gatccacttc atccaaagag gattcgaaga	180
agacttcac gccaaaaagt cctcctccat cgacggagac ccttccttct cggtcgtcct	240
cgacttcgac gtcttcgtct cgccacaccc ccagtcacat tctcatcat cttecgctctc	300
cctcacaccc accgccgact cccgttcctc ttctcatca tctattcat caccgtcctc	360
tcatctctcg agatcggtcca aattccaagt cgagatccca cacctccgct aaatccaaat	420
cttcctcgtc caaggacgcc gccgccgccg cgagggttcag ttccctgct tncgggtct	480
cctccacctt cgatcggttac tcgcacgac ccgactttca tcttttga	528

<210> 10071
 <211> 312
 <212> DNA
 <213> A.fumigatus

<400> 10071	
tccatctctt tgaccgcagc tctgggtatg cccaaagcat tgatccgggt ccagctcctc	60
tgggtgaacc tgggtactga tgggttgctt gctaccgctt tggctgtcaa ccctcctgac	120
catgatgtga tgagacgcgc gccagaaaag cgcgatgagc ctcttggtggg cggctggcta	180
cttttcagat acctggccat cggcacgtac gtcggtgctg ctactgtttt tgggtacata	240
tgggtggtttg tttataatcc agagggacct cagatctcct tttggcagct ggtaagcaaa	300
ttgtctcagt ga	312

<210> 10072
 <211> 378
 <212> DNA
 <213> A.fumigatus

<400> 10072	
gcaaattgtc tcagtgcagc cttttcgtgc ctgtctaact cgtattttgca gtcccatttc	60
cacaagtgtc ccgctcaatt ccccagagatt ggctgcgaga tgttctccaa cgagatgtcg	120
cggctctgcat ccaccgtgtc gctctcaatc cttgtgggta ttgagatgtt gaacgccatg	180
aacgcgctct catccagcga gtcactcctc gccttccttc tttggaacaa tatgatgtcg	240
gtgtacgcca tcattctgtc aatgaccctc catttcgcca ttctgtatat tccattcttg	300
cagacattgt tctctatttt gccgttgaac tggactgaat ggaaggcggt tctggctatc	360
agcgtcctcg ttgtgtaa	378

<210> 10073
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 10073

ctgggtgtgca	gggcatatcc	actcgcatcg	ctgggttacg	ctaactggat	tctgcgtcac	60
tacggataca	aggcgtctc	tatcttttga	ctgaccctgt	atggatttgg	agcgtctgc	120
atgtggccgg	ccggcctcaa	tcgatacttt	gggggtttct	gcgcggccac	attcctcatc	180
tggtcggggc	tggggtcctt	atag				204

<210> 10074

<211> 246

<212> DNA

<213> A.fumigatus

<400> 10074

cagcccatag	gcaaatacct	acacatggac	catgatcagc	atatgtttgt	cgacttcaag	60
ttcgatcagt	caatccaggt	gtcgactcac	ccacataaag	aagagaatcg	tgaccagggc	120
gaggggccac	aggctctgac	gcaaggtgag	cgtagctgca	gaggtggtag	tcttattgtt	180
cacccggagc	gccgagcggg	atctgagaac	ctgagcgacc	cccatttcgg	caattgcgga	240
ggttaa						246

<210> 10075

<211> 234

<212> DNA

<213> A.fumigatus

<400> 10075

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gtatacaggg	atagcacagc	actagacgac	tttgatatta	gtcttcggct	gcagatgcag	120
ggaatggggg	gcggctcgac	gcaatccagt	atccgtgcct	caggctgcac	ccactccggc	180
cgcgccggag	tgggtgcgcc	ttactgtaat	tgtagatttc	aagcggaatt	gtag	234

<210> 10076

<211> 2034

<212> DNA

<213> A.fumigatus

<400> 10076

acggagaaca	caatactaac	aatcttcagg	attggcaggg	actttgccag	aaggggaacg	60
tggtctttca	aaaacggcaa	gtttcaacac	gtaaatgaca	ccggaaggcg	agatgacaat	120
cgacaaaaac	gagacgtgag	acccaaaaga	ccagaactct	cagattcaga	gaaacaattt	180
cgatcctgga	aggataccct	taacacagac	ttccgtgcat	ctcgtccagg	tcgcgcgaag	240
ttgaataact	tcttccgaga	tgctcgacag	cttatcgaag	ttgacgctgg	tctcatgcaa	300
ggagtgatac	gtgagctatc	cgaggagacg	ggattggaac	atattcgaga	tcttgtggag	360
aataaattcc	caaagccga	gtcgaaggca	aaggaggaag	tcttccggtc	acaggtcctt	420
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gtgggaacta	tttacaacgt	gctgtatggg	atcaacggcc	gcagggcagc	gctgttccctg	540
agctcagtat	gcgatgtgct	atcaaaaatc	agcgaggagg	aaacggccgt	agagtgggtg	600
gaaatttcac	tctcgtgtt	cgcaaaaatc	gtcgatctca	actccaccgc	attcgttcaa	660
gatgcactca	aagatcaagc	aaaaagggtt	cagcagcttt	ttctccgtat	ggctgagggt	720
ggcctggcga	gctctctcca	ccactcgcgc	aatcttcttg	atcacctcct	atgccgattg	780
gaaattggga	gctccctacc	atctgcaccg	gcgaacgata	agctcgaaag	tgagccgaaa	840
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gccgatattg	tgaacatcgc	tatcatgccca	accctcgatg	agatccaaag	ctcgcgtatc	960
gaatacctac	cggtcaatga	tctcgtcag	tggcatgtgg	gtggctctgga	cggtttggtta	1020
gatacgtaatt	tccgtctact	aagggaagac	acgattgggtc	agctgcgaga	tgctattcac	1080
caggagctca	aagggtcaca	ggaaccaggc	cgacagattt	cccagggttcg	gacacacgtc	1140
tatcctcgtg	cgaagatcag	acaaatctac	tttgacaaat	tccttggctt	ccatttcaag	1200

gtgcaattcc	ctcaaccgcc	acgcgtcagt	gagatgtcgg	tcaaggatcg	ggaaaactgg	1260
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aatggaagga	cgggttgtct	ttgtaccatc	gtggacgagc	aagtcaggtc	tcccaaaaag	1380
caaacagaca	acgctaataa	ggaaagcgag	aatgtagcat	ccctgtggga	agatgcgaag	1440
gaagcgtcag	tcaaaaataat	gctagtcgat	acgaaacccg	gcatgggccg	cacaatatcg	1500
aataagggtcc	tgagtaaacy	ggatttttct	attgttgaat	tcccaggcat	tctactggct	1560
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gcgttgagac	ccggatttct	ctttaacctt	cgttgcttga	tgaataacaa	tgccgacctc	1740
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tggggccagg	cgagagcctt	ggtcaatagc	ctccaacacc	gaattggcct	gatccagggg	1860
cctcctggta	caggtaagag	ttacacaggt	ggtgcgctta	tccaggtact	cctagcaaat	1920
aaaaagcaag	gaaagacaaa	tcttggctct	atgttatgtg	ttacttatac	gaaccatgcc	1980
ctggaccagt	tgctagaagc	tctcatcgac	aaaggagtaa	cgtcccagtc	ttaa	2034

<210> 10077

<211> 486

<212> DNA

<213> A.fumigatus

<400> 10077

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cgcactggta	acggcgccga	tttcagcgac	ggtcaatccg	gaggatatgg	cagacgctct	180
aatcccagata	cctccaaccg	cggctatccc	cttgctactg	aggacggcga	agaaattcaa	240
actcagaata	tcagcattcc	tgccgacatg	gtcggttgca	tcatcggcag	gggtggaagc	300
aaaatcaccg	agatacgag	aagctctgga	gcccgcattt	ccatcgctaa	agcgcctcac	360
gatgagaccg	gagagcgcat	gttcacgatc	atgggcagcg	ctcaggctaa	tgagaaggct	420
ctgtacttgc	tgtacgaaaa	cctcgaggcc	gagaagaccc	gccgaagcca	gttgccctcag	480
gaataa						486

<210> 10078

<211> 639

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (258)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10078

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gatggccatg	cattatcata	tgctgatttg	cattcaaaaag	cgctgtatct	ggcttatcag	180
atacaacggc	tctgccccctg	cgacggaact	cgggttgga	tccatcatcc	gagaggtata	240
aatcatatcc	tggggccangt	tgctgtgctc	tacttgggta	gatcatgcgt	gcctcttgat	300
tttaagctac	ccgatgatca	tctcaataac	atgctacacg	atatcggcac	caacctcgtc	360
atatgtgacc	aagagaccac	gcacggtctt	ccgactttca	cacatgtcct	cgctgaccac	420
acgattgaag	ctcctggccc	tagcttcgag	ccattactca	agggcccca	aagctgctct	480
catatccttc	atacctcttg	cacgactggc	aagcccaaag	ccatcgaaat	ctttgcagaa	540
ggggccttatc	aacatccttc	tcgatccttt	gttccttgta	aaagaaagg	gaccgtttcg	600
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<210> 10079

<211> 1800

<212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1480), (1628)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10079
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 gatcctctcg agctctctcg ccagatcaaa agcctgaagc tcaacgttat gcaaatacacg 180
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 ccaccacggc gtatcatcaa tggctacggg cccacagagt gcagtgtata cacactctgg 360
 caccctgtct cgcgggagga ggcacagcgg ggcgagatac ccgtaggcaa gcctttttgc 420
 aacgtacaga cctgccttgt ggatgaaaac ctaatacccg tcaaggccgg cgttatcggt 480
 gagctcctca tagcgggtgc aggcgtcgct ggcggataca ttggagagcc tgaaaagacc 540
 gccaaaagct tcgtctccct tctcatctt cgcctccaca gcaaccgagg accaggacat 600
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 gccgccataa ccaaagaata tgtggaaggt aaaaccatta aattgggtcct tcgcattgaa 900
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 ggcaatgtgg aagccaagct gaaggcgctc tgtgttgaca ttttgagtct cccaccgag 1080
 gacatcgatc caaccgatga ctcatggcc atgggaacca attcattgat ggttgcaatt 1140
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 gtgaagaagg tcgcttggtt gatccgcgcc aaaaaccaan ccgctgggag gttgcgcctt 1500
 gagaacgttc ttcgtaaata ccagatctac tcagacctcg acaaagttgt agtcctgcca 1560
 ggcagtttca gtgaagcaaa cctcggatta aatcgcaagc actacgatta ctatgctgag 1620
 tgggccancg tagtctttca tcttgagctt aaagtgcgt atgttgctcc ctattcgtcc 1680
 catagaatgg acaatgtcgt tggcacatgc aacattctcg aatttgccag cccaaagccg 1740
 tccaaaggcc actcattaca cctccaccat ccccggtata tgggcctacc gggctcttga 1800

<210> 10080
 <211> 1401
 <212> DNA
 <213> A.fumigatus

<400> 10080
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 aagggtctac agtgtcagca gcagcagtcg cttgaatcgc acgctatgcc tgcctcgtgg 180
 gtgcgaggca caatgctggt tcgatgcaat tcaaacgctc gcggccattc tgcctctca 240
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 ctgagaggct ccactctcggc ttcaggtgac ctgatgccgc tttcctacat cgcgggagcc 360
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 aactcgcgag atgctttgct gtccacgggc ctcgaggcgc agacactagg accaaaggag 480
 ggccctcggc tcgtcaatgg tacttctgcc tctgctgcac tggccagtct ggtcatgtat 540
 gaagcgcata aactggctgt cctagtccag gcactatcag ctgtgaccgt ggaagccctc 600

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gagcgggatac tgaaagaccg caaccgtcca ggccgtgatac aggatcgcta cgcacttcgc 780
accgtgccac agtggatagg cccgcagctt gaggatctcc ttctcgcaca ccaccaagtc 840
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gtgtcgagcc ggtacacaat gcaagcgggtg gaaatcgtct ccctcatgtg cgctgcagc 1260
gtctacatcg gctgccaggc actagacctg cgggtcccca actccacctc ctggacggcc 1320
caaaggaaga atttccagcg gtctactccc cacatgttcc tcagaaaacc ccccgaaacc 1380
gaactccgca atcctcaatg a 1401

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<210> 10081

<211> 204

<212> DNA

<213> *A.fumigatus*

<400> 10081

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ttctgcccct ataactcaat taatttagat tcggaagaag gttgtgaagg ctctgtctct 120
gtaggccgcc atgtcgtgcc ttacggccac catacctatg ataaaaaaga agttaagtac 180
ggaatatcca attacctact tttag 204

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<210> 10082

<211> 1806

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (3), (9), (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10082

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agcgacgcgg aggaggagga cggcgacgat gattccttgg atctgaccga ctacttttat 180
cttggccaat atctgcgtgc atccgttggt tctgttggga gcaacgcgcg agatgtctct 240
tcgaagaaca agaagcgtat tgaactttca gttgaccoga gacaggcaaa cgccgggctc 300
tcaaaatcgg atctggaggt caatacagcc attcaagctt cggttgtcag tgtggaagac 360
catggtctgg tgatggacct gggatttgag ggcgcgagc tcaagggctt tatgtctaag 420
aaggagatcg accccaagac agactattcg agcatcaaag aaggatcggt ttccctttgt 480
atggtcaccg gccaaaacgc caacggaagt gttgtcaaac tatctgccaa ccttcagtct 540
gccggatcta tcaaaaaatc acattatctc agcacggcgt cgacaatcaa ctcatctct 600
cctgggtactg cagcagaaat cttgttgacg gaggtttctt ctacgcgatt gatcggtgaag 660
atcatgggta tgctcgatgc cacagtggac ttggtacagt ctggtggcaa ctctggaaaa 720
gacgacttga caaagaagtt tcagatgggt gcgaaaatca agggacgtat tgtctgcacc 780
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gcgactgatt gtcattggtc tggcacctct gaggatgcgc cggcaatctc tgcaatcata 900
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gttccctcta	tgcacttcgc	agacacggcc	cttcaattcc	ctgagaagaa	gttccgggaa	1320
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actctgaaga	agagtctact	caacagcgaa	tctgccatct	ggaaagatta	ccaagatatc	1440
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caattctacg	gcccagttcg	tggttttctt	cctgtgtcgg	agatgagcga	agcttacatc	1560
aaggatcctt	cgcaacactt	cagacaaggg	caggtgggtta	acgttcacgc	tttaagtgtg	1620
gatccagctc	ttggaaaact	agcagtttcg	tgcaaagacc	cctcgacctt	cactgagacc	1680
tatagaaagg	cgttcgagaa	gattcagccc	gggttgctgt	tcacagggac	ggtgtttgag	1740
aagtctgtcg	atgatgttct	gctcaagttg	gagtcctcac	cacggggctg	gaaggatacg	1800
cggtaa						1806

<210> 10083

<211> 1794

<212> DNA

<213> A. fumigatus

<400> 10083

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gaaaagctga	ggctgggtcat	cattgggtggc	gcccgggggg	gaatgtccgc	ggcgggttcga	180
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tacaccaact	gttttgcccc	cttcagcctg	gggtggggcca	ttgaaaggga	tacgtggatc	300
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gagctcgtca	gcatctccag	agagcgtcat	tcgattactg	tgcatgtcgc	gaagaccgac	420
accacctatg	acttgccgta	cgataagatg	atcctcgcac	aaggcgcgga	tcccgcgtgg	480
cgccctatgg	ccgacatcga	gaaagacaag	gtgttcccgc	tgacagaccc	cgccgatctg	540
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tcgtcgtcga	tgagcggagc	ctcgaatcga	cagggccgac	tcgcagcggg	tcacatcttc	1080
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tctgtgacca	tccaccagcc	ggaccatgcg	gggtatttcc	cgtcggccca	gcagctgacg	1260
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cctcaagacc	tacaaggcca	tctgcacgaa	tggccgatca	tcgatgtgcg	gtccgccgag	1560
cattttgccc	agggccatct	accgcttgcg	cgaaatatcc	ctattgactc	gctgaggtca	1620
cggtctggctg	aaatcggaag	ggatcggccg	gtcctgggtct	actccagggg	aggctaccat	1680
ggctatctgg	cctaccgaaa	cctagtgcag	tcgggctatc	gggcccgcga	cctggatggg	1740
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<210> 10084

<211> 537

<212> DNA

<213> A. fumigatus

<400> 10084

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tcgctccctc	cgacatttct	caaactctgt	ggcctcgccg	acgcaaccga	cattttgcgc	180
gattttcacc	gtcagggcta	cctagaagcg	aataaggccg	ccgaggtgga	gagcgaagtc	240
gttaaccagc	tcattggcct	tcgcaacgac	ctgcaaaaga	agaccaaaga	aatcaagagc	300
cttcaagggtg	atttcgggaa	ctccgtcgac	aaagaagtag	agaacacgcg	caagacgggt	360
cgccaactgc	acgaagcgct	aggtctggtc	gataccgacc	cgtctgctac	atcaggcaag	420
ggagaccggt	tcattattcg	tctgagcgtc	gacagacaga	ttgagaaaca	gattgaggag	480
gaaaattacc	tccaccgtgt	gagtctttcg	gaagcttctt	atagactcaa	tactga	537

<210> 10085

<211> 252

<212> DNA

<213> A.fumigatus

<400> 10085

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gctcctccc	tgctccttat	tactgcgaac	tcccgttcaa	tttccaacgc	ttctggacaa	180
accgacaacg	cattgattgg	agcgctccct	tatctcacta	caggaattgc	actgcccga	240
tatcctgggt	ag					252

<210> 10086

<211> 342

<212> DNA

<213> A.fumigatus

<400> 10086

gcattcttaa	acctggaaaa	ctccggtcgc	gaacttgaat	cgatcgctcg	cagtgcagata	60
caaaaggcgt	acaatgcgta	tgccagtatc	cttaaaccgag	aagccgatga	ggcctatgac	120
accgtcgaga	agctgcggac	tgggcccata	tctatgcctc	atgaccacga	atggaaccac	180
ttcatcgcca	ataccgacga	actcgtcgat	ccccgcgttt	ctctccggaa	cgtgggagaac	240
atcacctatc	ctggcaagga	ccatccggct	gcggctgaag	ttcgatccgg	catgctggag	300
cgaaagagca	agtatctgaa	gagctatata	cccggctggt	aa		342

<210> 10087

<211> 399

<212> DNA

<213> A.fumigatus

<400> 10087

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gtagcatggc	agacgccagt	gatgtcactg	tacctaccg	agcagaaatt	aggatcgac	120
tcgcagccgg	actcgacgtc	gcacaagttc	atgctcaagg	ggcgacaaac	cgggtcccatg	180
catcggtggtc	actcggtggg	tttccgcgcg	gaatcacacg	agaccatgat	ggcgtggtac	240
gaagacatcg	aaagcttgat	ctcaaagacg	ggcgaagcac	gttatgcata	cgttagacga	300
cacgtccgca	ctgtgaaccg	cgcaagtgtc	tcgaccacat	tgatctggat	gaagaccaag	360
ccgatcgcac	accgtatgca	acggaggcca	gtcgggttaa			399

<210> 10088

<211> 1065

<212> DNA

<213> A.fumigatus

<400> 10088

cagtcctcct	gggaacttat	cacaaccac	ctctcatcac	aacaacttgg	ggagcccttc	60
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tatccaatgg aaattcgaac gagaacagtg atccgcagat gcttggtcag cgacggaagg 180
gggacttgcg accgtgctcg agtgtatgat cgcggcgaat tctaccacgt tagacagtcc 240
cagcagggag gtcccagaag aatgacttct ccgaggatca aaaccatcgt gcctaggaac 300
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caagctcgaa gccggtcata ttcgttccgg ataccgattt ccagaaggtc ttccgagaca 420
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caggagcaac gggggcgagc catttccaga gaaagcaatc catatccacg agttcactct 1020
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<210> 10089

<211> 213

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (123)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10089

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ctnttccatg aacttttctc ggctcctatc acgctggtgg agcacgtcca agttgagccg 180
ttcgatcccc ttttgaagtc gacccaattg tga 213

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<210> 10090

<211> 261

<212> DNA

<213> A.fumigatus

<400> 10090

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gtcgccaact cctgggcgac atcgggtgtcg tctcgctcgt tgcagtactg gcaggccatg 180
gttctggcct ctatcatgga attcagtgga aggtatgttt gctccggtac aggtatagca 240
tttcattttg gaggatactg a 261

```

<210> 10091

<211> 537

<212> DNA

<213> A.fumigatus

<400> 10091

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gtcacggctt cctccatcta cctcaccgtc gctaccgcgc ttggtatgcc ggtctcgacc 180
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attcagtggg	ggggaggaga	catcaactcg	gggtgctgctc	aggtcttcct	tgccctggatc	300
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gtcatggagc	gtaagaactc	ggttttgaag	gctttcatct	ccatccctat	ctactttggc	420
atcacctccg	ctttgctcac	cagtatgggc	cccggcccta	gcacgatgct	tgatgatact	480
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<210> 10092

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 10092

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gacgaggaga	gcgagcctgc	cgtggacaag	gaaggcaagg	aaggccaggc	tgctgctgct	480
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gatgttgtca	gtctgcagaa	gaagaggaac	attctcactg	gggacttgga	gatggtccat	660
gcccattgct	gccattacga	caacaaggcc	gaatacatgt	actccttctc	ccaggtcatg	720
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catctactat	gtttggtcaa	ccaaccagct	caagtccaag	agtcccgttc	cgtactggat	900
cctgtgagta	gccattttga	cattcataga	cacattctaa	tcaatcttag	ggctttcgga	960
gggtgccgca	tcgtgatcgg	tctgtggacc	tacggctaca	acatcatgct	caacctgggt	1020
aacagaatca	ctctgcactc	tccatcccgc	ggttttctca	tggagctggg	ctcagccatt	1080
accgtcatca	tggctaccaa	gctgagtatg	ctacatcctt	tatgcttcac	tgatcataat	1140
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<210> 10093

<211> 348

<212> DNA

<213> A.fumigatus

<400> 10093

aggacttttag	ccggaccccc	cgcggtgcaat	aagaaagatc	ctgttaccga	tcataccttt	60
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attaatccca	tcataccggg	tttcgcaccg	gatccgtctg	tcgtcaaagt	aggcgaatgg	180
ttctttctca	tcaactccag	cttccatcta	tttccaggtc	tgcttatcta	cgcttctcag	240
gacctgggtt	catggcgaca	tatagggttc	cgttcttagc	gggatgaaat	caccagtgc	300
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<210> 10094

<211> 1419

<212> DNA

<213> A.fumigatus

<400> 10094

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agtctgtcca	gatcgaaaac	agaacttcac	ccgttgccca	cgggtgaagt	tctgggtggc	120
actggaggct	tatatgcgcc	cacaatccga	taccatgacg	gcacttttta	tgtcgtatgc	180
accaatgtgg	ttcgtacagt	caccggcgac	tccaccaga	actttatcat	ctcatccaag	240

gatatctggg	ccgacagctg	gagcgatccg	gtctatttcg	agttcgatgg	catcgacccg	300
agcctcttct	ttgatgacga	cggcaagact	tacattcagg	gatccgcggc	acctgggcct	360
ttcaccacga	taaatatgtt	cgaaatcgat	ctcggctccg	gcagaaagct	ctcagaggag	420
agaacgatat	ggcgcgggac	tggcggtata	tatcccgagg	gtccacactt	gtacaagcag	480
aaaggctatt	actatgtggt	cattgcagag	ggtaggcacc	atgaagggca	tatggtgaca	540
atggcgcgat	caacggacat	ctgggggtcca	tatgaagggt	gtcctgacaa	tcccgtactc	600
actgcgcgag	acaccgacga	gtacatccag	tacaccgggc	actgcgatgt	tttccaggac	660
gacagggacc	aatggtggtg	tacctgcctt	ggcgtgcgga	aggataaaaa	tggccgctat	720
gttatgggtc	gagagacttt	tctgacccaa	gggagatggg	atggagattg	gctctccctg	780
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gccaatccca	gcgtcgacta	cgtctatata	cgtgatgcc	ttctgagcaa	ttacacccta	900
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gaaaaaagcc	ctagtttcat	tggcaagagg	cagcgccact	tagacggatg	cagcgggtgc	1020
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ctacccaagt	caatagcgtt	tgcgatccaa	tatacggaac	aggagtatcg	gttatttcat	1260
actgttgtaa	atgccgggtc	ggcgaattgg	aagtgtgtat	cgacgattga	caccctaaat	1320
ctgactggcc	ccgattttac	aggcccagtc	attggcgtct	ttgcgggtggc	agagtcaaca	1380
gatactgaag	tgcgttttag	aaacctcact	atttgctaa			1419

<210> 10095

<211> 336

<212> DNA

<213> A.fumigatus

<400> 10095

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ggccttttga	ttcccataca	agtaccttat	aattcaatct	tgcaactatc	tgtttcaatg	120
gagagcgtgc	gccaatcatg	tgggcctaaa	caccaggtct	tggtcctcaa	atgttaccca	180
caataccaga	aaggagtcca	ggatgtgaaa	ccaaattcca	gtgaactctc	ttatctactc	240
tactatgtga	gcacgcgccg	gagcaagctg	accaaggctg	gcgccttttt	ggagaaaagg	300
gcagctcggg	atgtctggcg	taacaagtta	gggtga			336

<210> 10096

<211> 1335

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1330), (1331)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10096

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aaagttcccc	gggatcttcc	tatctatgct	agatcggtga	tgaacgtcct	tgaaccgctc	180
ctacgctccg	gagatctttc	catggttgaa	gagtcgatat	caacgttcga	gacattctgt	240
cagcatcagg	atatggccgc	gctatctgct	gaacaggatt	tcgccagtca	ataccgggaa	300
gtcgtgcgga	cttatgcaga	tttcgcagac	cagacaaaat	ccgtttctca	gctgaagact	360
gcaccgagca	gtccaatggt	aatacgttgg	aggacagcgg	gattgcgagc	gatcaagggt	420
gtgggttagtt	ccgaagcagg	tctcgcggcg	gacggcggag	attcactgag	gatccttctc	480
ccggtcatcc	tggaaatgtc	ttacaatggt	gacgatagct	tggtggcgct	cctcgagctc	540
agattgcacg	agtcggagaa	gaatgagccg	gcgcttggtc	gacgacggag	gatcagtact	600
gccaccgtgc	agacagttga	cgcgatggat	ggagatcccc	cattggcgctc	acagtctgcg	660

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gccgacgttg acaggcaggc ggaaatggac atgcgcttgc ttgctctccg atgcttggaa 720
cgcatagtcg tgacgggaag tagccgtggt cagattcgcg tcactacgaa agtggtgctg 780
caattcattc tgggcaacag cccattatcc gaagatggca aacctatgca tatggattcg 840
acgggtggct gggctacgtc tctagtggaa ctgctcgcca agtggtgctc cgttcaagtc 900
cgtttcatca ttttggtttc tgcaatggag atgttgctcg agaaccagcc ctcaagaagag 960
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ctgttatcgc gccagccag cgcgaggtct gcggaacaag gactggatga gaagctgggc 1140
gatcacgact tggttctgtc cctgagaga ttgaagatgc ttgcgctact ccagaggact 1200
attggagatc tcactacaca tatttattac ggtgatcagg ttgtcgatat ggtcaggacg 1260
atcctgactc gtgtgaagcc atcgtcttca ccacgggggt ggaaggtacc aaagcggctg 1320
gtcaagggn ncttc 1335

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<210> 10097

<211> 546

<212> DNA

<213> A.fumigatus

<400> 10097

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tcgctgcaaa cagttagcta tctcgatttc acaccggtta tagaaacacg taccggtcag 180
attgtagttc ggccacctcg atttgggccc ggttcatccg accgaccacc tcttccatct 240
ccgtatctgc atctcgcagg agcttctcca gctccttcac ccgcttctcg agtgtctgcc 300
tctggatcgc ctgctccagc gggatccctt tgcactgggt cgtcttgtcc aggcggggcg 360
agcgcgcgcc aaatggtgag ctgggcggct ttggcgacaa cgcgcgcggg ctgcgagagc 420
cgttcttcac acgcacagc tgcgcgttgt ggctggcctc gaggttgcgg atctcctcct 480
cgtgtcgcgc catttcctcc tcggaatgct gctgcgccag cagcagcgcc tcttccattt 540
ccttga 546

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<210> 10098

<211> 849

<212> DNA

<213> A.fumigatus

<400> 10098

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ggacgcaaaa cgatggcatt ccgtctatca tccagccgcc caccgccttt gcacatcgag 60
tccaacggtc gaaccgcatc ggccagctcc tcggactcga aacatcccaa gaccctggg 120
aacaaaaatca gctccttttt cggctggaaa gccgtcacca catcgcccag cgcggagtc 180
tcgagcaccg agatctcgga ttccggccgg tccctctctc catctccgat gctccttca 240
atgccacca cctccttctc catcaccccc tcgaccacag tcccatttga tccactcgg 300
gtcccgggcc gcaacccctc cctaagcggc gccagtatcc tcgaggccgc gtctgcctcg 360
aagctcgcgg atctcgaaaa tgaacttcgc gagatcagct ccgagctggc cggttccatc 420
cggcggggaga tggaattgga agacttggtc gagcgggtgc aatccgagat accgcaagac 480
gccaaccggc gcaccagcga ctatttctcc gactccggaa ctagctcgat acgatata 540
tacgatgcca gcgaaaaaat tgatgacttg gacaagtatc ggcgagcagc cgagcaggaa 600
cgtgcacagc tcaaggttga gctgtcgcag aagtggcagg aagagagagc ccgtcgggcc 660
gcaaccgagt ctcatgttca gatactcgag tcacaagtaa accaagtatg gttccccccc 720
ctggttctgt cggctttggc tcagctaatt tggtcagtta cgacgagaga gagtcgagtc 780
ctccgacctc tcatccaagg ctccggagct cgagattgct ctggaagata cccgcagaaa 840
actggctga 849

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<210> 10099

<211> 336

<212> DNA

<213> A.fumigatus

<400> 10099

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tgcacatcga	gtccaacggt	cgaaccgcat	cggccagctc	ctcggactcg	aaacatccca	120
agacccctgg	gaacaaaatc	agctcctttt	tgggctggaa	agccgtcacc	acatcgccca	180
gcgcggagtc	ctcgagcacc	gagatctcgg	attcggggccg	gtccctcttc	ccatctccga	240
tgctccttc	aatgccacc	acctccttct	ccatcacccc	ctcgaccaca	gtcccatttg	300
atcccactcg	ggccccggcc	cgcaaccctt	ccctaa			336

<210> 10100

<211> 1572

<212> DNA

<213> A.fumigatus

<400> 10100

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aactttgaag	atctcttgac	ggcgatgcga	gtggagctgg	agcagttgcg	aaacgagcgc	180
gatcatctgc	gggataatgt	gattcctcaa	ttacaacagc	aacagcaaca	gccgccgcag	240
agcacaccgc	cccccgagtc	ctcgagattt	cagcgattac	tcggcgagat	tgaggctctg	300
aaaatcgaga	atgcctcgct	ggcgcaactg	caaggcagtc	gattcgcgct	gatcgccgag	360
gaagggtggtc	tgcccccaacg	gagacccgcg	ggactgggtc	tgtcccggtc	aaattcgctg	420
gcacggcact	cgaaatcgag	cgggtgtaggt	gggtctgtgc	ggtcacaactc	gttgtctcgg	480
tcaaattccg	tgtcgaccaa	ggatcgcccg	gatcgcgaga	cgttggcgga	ccgtatggaa	540
gatgtggaag	cgcagcggga	tgcgctgcac	caagccctgc	ggtatctact	tatgagacaa	600
gaacagcagg	ctcgagagta	cgaaaagcgc	ctgaagctca	tggagttgga	gctggctcgt	660
gcccggaac	tgggctcgcc	acgtcgattg	gggtacgaac	gcgaggtgcg	gaatctccgg	720
gaggaggtga	atcatctccg	ccagcgggca	gaggatgcct	tggaacagaa	gtggcaatgc	780
gaaaagggac	tggcaggggtt	gaagatggat	ttggaccgtg	ccgagcagga	gaccacttcg	840
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gacaagacga	ccagtggcaa	ggggatcccg	ctggacgagg	cgatccagag	gcagacactc	1440
gagaagcggg	tgaaggagct	ggagaagctc	ctgcgagatg	cagatacggg	gatggaggag	1500
gtggtcggtc	ggatgaaccg	ggcccaaata	gagggtggccg	aactacaata	tgaccgggtac	1560
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<210> 10101

<211> 579

<212> DNA

<213> A.fumigatus

<400> 10101

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acaactggcc	tctctggaag	gtatcaatgc	ctttgccctt	atctttccgt	cgttcaaaaa	120
atgactgacc	tctgtctcct	ttttcagaaa	gtgctcaatc	tagtctcgt	ggcattccat	180
gcttgcatgg	caaccctgac	agcggcatcc	attacgccag	catacgaaga	catcgccatc	240
gaatttgga	agtcgggtaca	gagcgccagc	tatctcacgt	ctctccagat	tgcaattctg	300
gggtggagctc	ctttgttctg	gaagccattg	tcaaaccggt	ttggacgtcg	gcccattctt	360
ctctgtctt	tgattatcag	cttgatctgc	aatgtcggct	gtgccaagag	ccctacatat	420

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ggatccatgg ctgcgtgccg agccttggta gccttcttca tatcaccgcg tgcagcgtatt 480
ggaagtgtctg ttgtgacgga aaccttcttc aagaaagaga gagccaagta catgggcgtc 540
ttcaccacgg ggatgggagg atcaatgggt gtgtctatt 579

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<210> 10102
<211> 1269
<212> DNA
<213> A.fumigatus

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<400> 10102
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agtcaactgt ctgaatcgtc agcctcctcg tcatccgagt ccgcctcgtt cgatatgtcg 180
tcttcggaag gggcgcccca gtcattggat tctccttctt gctcgctgat gggccatgaa 240
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tcgcaggtgc ccatgtacaa ggagggcgct gagatgattc tggatgtgga accggaggag 360
gacgaagatg aggaggagga agaagaggaa gaggaggagg atgatgacga gattctcggg 420
gatgagcgac ccccgggcta ccgcagagct ggcgaccgga gacatgcgcg ggtggccagc 480
gacttgagtg tgatcgaaag ttctgcggag ctgctctacg gcctcatcca ccagcgctac 540
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gtctgtccgc gcacgtactg caatggaagc aaggtcttgc ccgtgggctg ctccgacacg 660
cctgggcaag agacggtgaa gctgttttgt cccagttgcc aggatctgta cactccgcc 720
aacagtcgtt ttcaactcgt cgatggggcc ttcttcggga ccacgttcgg ataccttttc 780
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gcccctacga atgcaaacia tcaatctcga tcttcgtctc tgacgtctgg ggtcaaccgc 900
gcgactcctg atctgccgcc gccgcgcctt aaccagccaa cagagatcaa cggcggtgca 960
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gatggcgccg ataccgagat gaacattgaa gctcagaatg cagccgcaat cgcagccagg 1200
aagaaagcgc ccatgcggag acggcgccat catcccgatc agatgagcat caacggggcg 1260
gaaggttga 1269

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<210> 10103
<211> 1503
<212> DNA
<213> A.fumigatus

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<220>
<221> unsure
<222> (1473)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 10103
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atcgcttccc gcaccgctcc tccgtctcca tcggcgctca ggcgtacaca ttcccttctg 180
tccgaaactc ataccgggta tcagtctttg gaatcccaga tgggaagccgg tgaaaccaca 240
agttttgttag ggaagaccgg tgaaaatcat cgggggtacac cacgaagatc gtacaccagc 300
atctccgcta ttccgacccc tgataattat ctccagacac ccttgacgag ttgtagccta 360
cgccgggtccc gacatcacag tcgtgcaaat tgagatttag ccgcagaagc 420
agtattgacg acgagcaaga tgaagacctt ccaccatcgg ccaaagatgg aatgaccgcg 480
tcatttcttg acgagcgtaa ctggtacgac cagttcacct cgactgactg ggtgcatgac 540
agtattgctg acggagcgcg tctgcgggaa ctgcgcaagc ggaaggattt tcgcggctcg 600
ctgctcgcgg cgttcgatgg tgcccagggc tggattctgg ttgcgttgat cggctgcac 660
accgctgcca tcgcctattt tgtggacgtg accgaggatt tcgtcttcca tctgaaagaa 720

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ggatttttcta	cgacacgatg	gttccataac	cgtgaaagct	gctgtgcaga	cacctggac	780
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gtcgaccatt	ccatgtttgt	gctctgggtg	gttattcttt	cagttatctc	atgctacctg	900
acgctgttca	ccaagactgt	cgtgccatcg	tccgtctcgc	tcacgacgct	agatgagaac	960
ctcgggtcgtg	ggacttcccg	aggaacgaac	catgatgcct	ccgaggacaa	ttctccagca	1020
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tattccgcag	cgggcagcgg	agtggccgag	gtgaaagtca	tcaacagcgg	tttcgtcctt	1140
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ctgttcagtt	tggaaaaaat	tagttattat	ttcccgccaa	agacattgtt	caggacgttc	1440
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aga						1503

<210> 10104

<211> 2250

<212> DNA

<213> A.fumigatus

<400> 10104

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aacatgtcag	cccacactgc	gaaaagaagg	aaactaagcc	cgcgtccaga	aaatggatct	180
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gtcgtcccg	ttccagaccc	tcgacctctg	agggagacaa	aatactccgt	atcttatgtt	540
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gaaaagtaca	caatcgattt	agcagtgcga	atgcctcgtt	ctcttttcca	agagaaagat	660
tatgtcaatt	accgcttctt	tcataagcga	gcgtactaca	ttgcatgcct	tgctgctggc	720
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cttcgtccag	tcctcatctt	ggaaccgagc	agtgcctacca	gcgctttagc	actcgcaagg	840
tcccaaattc	agtcatttac	agccatcgaa	gatgatttgt	ttcccatctc	tcgaacgctg	900
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aaatcgata	gttgctatca	gctgtttaaa	gcaactatcc	aatttctcgc	cggccgtgac	1260
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cgtgtcgcgatg	tgggtgctcca	gttcgagagc	tgggcgcggt	ggccagacga	tcttgtgggt	2220
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<210> 10105

<211> 822

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (716)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10105

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ggtcgtcgtg	cgctcgtcgc	cacaagttgg	atacgcctgg	acaatgcgcg	tgctgggctt	780
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<210> 10106

<211> 639

<212> DNA

<213> A.fumigatus

<400> 10106

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tctttctacat	cggtagcttt	agcccgaac	atcatcgggg	tctccgagac	cacctcgggtg	180
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<210> 10107

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10107

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ttttatttgc taatcggcgg tggttaattca ttcagttctt tgcagccatt gcattcgtgg 180
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<210> 10108
 <211> 582
 <212> DNA
 <213> *A. fumigatus*

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<400> 10108
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cgtgtttggtg ccgtcgccat gctaacagca atgacagcgc cattggccat ggcctttcta 180
ctgtatcaca cctacctcat ctgggctggc atgacaacaa acgagagcgc aaaatgggtca 240
gactggaaaag aagatgttgc agatggcctg gtattcaagt ccaccagaag cgagatttat 300
gggaatcaat cccactctga tgaggacact ccgggtcaaa gaacctggcc agtgagcagt 360
gatcagatcc tagtaatcac ggacggcgag ccccccagg agggcttcca gctctgctca 420
cggtcgaatg aaattcttca gaaggatgat ccgcaggcgc cagttgacac aagatggact 480
gaagtgaaca gtatgcggga gattgacaat atatatgact tgggattttg ggacaatcta 540
cggaagttt tccatatgcc tattagacgc tgcgtacggg ga 582

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<210> 10109
 <211> 2082
 <212> DNA
 <213> *A. fumigatus*

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<400> 10109
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ccaaaggaca tcatctctcc cgctcaggcc gtcgtggtca agatcttgac gcacattttc 1800

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ggaaacatca	tccccgaaac	ctgcgcctta	atctaccttc	aaggacagat	cagggccgga	1980
cgtgcgctac	ctgaagatct	cccactgaat	ctgtgggaca	tggaacgaga	tctacgaagg	2040
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<210> 10110

<211> 345

<212> DNA

<213> A.fumigatus

<400> 10110

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gaagtaaatg	gagcgccctgt	tctggaggga	catgacacca	aggcggtccc	gaaatccgtc	120
gcagcagagg	cgtctacatc	ttcattgtca	agtgatgagc	cccgacgata	caaaaatgca	180
gattccgcat	ttgatacctc	tgaagaccgc	cggtattaca	agccaattcc	gacctatgaa	240
ggtatccacc	gctgggatcc	cgatttcgag	tggaccgaag	aagaggagaa	gagattgata	300
agaaaggtac	tccaaactca	gtttagtctt	tacaaacagt	actga		345

<210> 10111

<211> 246

<212> DNA

<213> A.fumigatus

<400> 10111

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gaaaacgttg	ctcttcgcac	tgccccgggc	accaagctca	agaccgacgc	aggattcaac	120
aaggagaatg	tgctcggcta	tggcgaggcc	tatagccatg	aaaacgaggt	gaaaggcaca	180
gagaagcagc	ctcctgcttc	gttccctcac	tatcttcccc	tgtgggacaa	cgaacggag	240
aggtaa						246

<210> 10112

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10112

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agcgataatg	gcaatattag	aaaacgatcc	atgctggtgg	aatatcttct	gtctgcgagt	120
tacaaagatt	ggctattcct	gtttaatctc	catgttagct	ccaaactttc	ccggctgcaa	180
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<210> 10113

<211> 234

<212> DNA

<213> A.fumigatus

<400> 10113

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gcaccggcct	ctgactgccg	aacatatgcc	atcgggtacg	taaataatct	tcattggaat	180
aaggaagatg	gaaaggacga	cgggggtcatg	ggaatgtaca	ttgttgtcga	ttga	234

<210> 10114

<211> 1125

<212> DNA

<213> A.fumigatus

<400> 10114

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gcgaccgctt	atttcgcagc	gcttcttgcg	ttgctggcgc	agtcctgtgc	agctactcag	120
ggcattgtca	acaaagatct	agcaacctcc	gttgtctacc	tgctcgatat	cacaacagaa	180
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<210> 10115

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10115

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agcttggttag	aaagggagga	tacggacagg	aacatgcaga	taacgattga	ggatgctgga	120
ccgaaggat	gtggcttggt	ctggctattg	gcccggaacg	gtgcaagtca	tatttcgagc	180
gacggctga						189

<210> 10116

<211> 282

<212> DNA

<213> A.fumigatus

<400> 10116

caagggcatg	cccacttact	agtcagaaac	tatgccggcg	acatcaaagg	caaagtcatt	60
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gccggaccga	gatgctctca	cctcgccggg	cgcaacagga	gcaaaatcca	gcaggcagct	180
gacgagatca	aggctttctc	cccaagcgtc	gagaccaccc	tcgagatcga	tctagccgcc	240
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<210> 10117

<211> 1839

<212> DNA

<213> A.fumigatus

<400> 10117

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<210> 10118

<211> 189

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (79), (80)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10118

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cccccccccc	cccttttttt	ttggggcccc	ccccttttaa	ccccccccgc	cccaaatttg	180
gggttttaa						189

<210> 10119

<211> 717

<212> DNA

<213> A.fumigatus

<400> 10119

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gctttagact	acaccagcga	ggatttcaac	cgtgatgaga	agattcaagc	aatgggcttc	180
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<210> 10120

<211> 303

<212> DNA

<213> A.fumigatus

<400> 10120

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catatcgctc	tttcaaagaa	cgtattcgaa	gccttattca	gttcagttag	ggtcattact	180
tataattatc	atgacacttg	gcttgatgct	gcagagactt	ttactacagt	gatgtggctg	240
attgccggac	cgaattgcgc	tcagaacgcc	agattacgaa	taccaatcga	ccactgccaa	300
tga						303

<210> 10121

<211> 1155

<212> DNA

<213> A.fumigatus

<400> 10121

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ggggttgaacc	ttcggagtga	gagcaataca	attgctcatg	tatctaagga	gacccgatat	180
cgcgtctggg	ggtctctttt	catggtggat	atctcactgt	gtgtaatgac	tggccgccca	240
tcgagcagta	gcgatgagtt	ttgcactact	cctccgcctc	taccattcaa	agaggaagat	300
ttttctgatg	atcgagtggg	tcaactgatt	gctgatcacg	aagcgcgagg	tcttttcacg	360
gaagcttttg	gcaagaccac	ggcaacggcg	gaaacggcat	taacaccgga	cttatctgac	420
caccgcgtcca	acatgaatag	agactgtgag	caagtgcgtg	ccagtgcaat	cgaatcatta	480
acaccgaata	tatcgctcta	ctttctctac	aatggtgagt	tggatttgat	acttcgagag	540
gctgtgggtca	ctctgtatgc	tcccggagcc	gctcgaaaat	cttggcatga	aattgaactc	600
tccattgtta	cactcaattc	caaggcagat	gtttggcttt	ccaggcttcc	ggctgcattt	660
catttcgaga	caggcgcccc	tgtatttgag	cggcagaggt	tgaacttggc	cttttgcttt	720
tacagcacca	agatcattat	agcccaacct	tgttttagcc	gcctcactcg	gcaggccccg	780
gggtcagagc	ctccgggtgt	tgcgtgcgag	acgatggcga	ccatgtgtgt	cgattttgcg	840
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ccctgggtgg	gcttttttaca	ctatctgatg	cagtcaacca	ctgttctttt	aacccaaata	960
ctacttttgt	cagaagcggg	caccgtcaag	tacaatcggg	tactagagca	actttccaaa	1020
gcgactcgct	ggttatcgga	actgtcgaca	aacgatccat	cttctgcaag	agcctggctc	1080
ttctgcaggg	atctcatctc	tcaacatgcc	ccagaacttg	accttgagac	ctccatcgag	1140
aaccacagaa	attga					1155

<210> 10122

<211> 441

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (50), (51)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10122
 ttctgtacctg aattacttta cactaacctt tggcgccacc cccaaaaggn naaaaaagg 60
 gaaaattttt tttttaaaaa acccccaaaa ccccccccc cccctttttt tttggggccc 120
 ccccttttta accccccccg ccccaaat tggggttttaaaa aaaatttttg gccccaaaag 180
 aggccccggg ggggggtttt cccgggaaaa tttggggccc cccccggggg tttaaaattt 240
 ttccccaaaa aattttggggg tttttttttg gggggggggg ggggggggag aaaaaaaaag 300
 gggaaaaaag gggcccccg gttttttccc caaaaatatt tctccccaa aaattttttt 360
 aaaaaccccc caaaaaagg gggggccctc cccccaaaa aacccccca aaaatttttt 420
 ttttttttaa aaaaatattt t 441

<210> 10123

<211> 492

<212> DNA

<213> A.fumigatus

<400> 10123
 ttacttgttt tctggcggat acgaaagatg atgctcttgt taatgttgct tcttttctact 60
 ctttgtgata ttgctactgc tggttcagta tccgttgaag atctgacctt gaacctcgac 120
 ctatagctgc gaggtatcgc tttgtccacg gaacctcccg tggatcagtc cctactggca 180
 attcagatag gaggcattgt tggggcatac gtgatcttcg ttgcaatact cttgactctg 240
 ttgctcttcg tgggacggcg actacgaaga gcggtacaag catcgaacta cactttacag 300
 gttgagatga tgaacactag caaacaagcc gtttagcatg atcctagtcc ggtcactcca 360
 gtctcagctc gtcttccaag cccaattgca caaaacggct tcaacaggct ctggggcagc 420
 ttggctaag gtccaagacc ccatgtctcc ggcaatggca gcgctgctac cattgatgag 480
 tctgtggttg ct 492

<210> 10124

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10124
 gtgctgtctc atacacagat acttagaaat gcatctgaat gtattacagt caagtatgca 60
 gatctgggta caattgatct gtcggagttc gatcagccag gaggaaagga gaagctcgcc 120
 gcacaactaa aggatgtggt tcatgaagtt ggtaatttct tctttcctcg gtgtctctta 180
 cctgactact ga 192

<210> 10125

<211> 276

<212> DNA

<213> A.fumigatus

<400> 10125
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 cgtcatgcc tccaactcat tatgtccacg ggacaagtct atggggatgt tctttactac 120
 gccacgagct tgtttgacct ctatttccat ggggtgatct tctgtcggcc agaacgctac 180
 tacttttgg tctactactt tttcatgaac tttatttggga ttgcgattcc ctcctgttcg 240
 tcagccctga actatgtccc tgcagtatct tgttga 276

<210> 10126

<211> 615

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (523), (582)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10126

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cagttcgcca tcgccaaaga gttcttctct ctacctgagg aagaaaggcg cagtttccgc    180
gtccactggg aagaaggcat ttataacggc taccgtcttc tgggctcgat cgaaattctc    240
ccaggcctcc gcgataatat cgaattctac aacatcatga agttcctccc gcaatatgag    300
cgaaccacc cccgatgtaat ccggcgacac tgggcggaga tcgagaagtt ccatcgccat    360
gtgcacgaac acatcgcgta cagactattc cgcttgctag ctattgttct agaaattccc    420
gaagacgaac tcgaaaaagg ccacctgtat gattctaact gcgacagcgg gctgcgaaac    480
atgtgtttac gtgcgcggtt tgccgaggag aacgagaagt acnagagcct ctattcacga    540
agccatacgg ataacggcac catcaccttt gtcttccaac ancctgtggc ggggggttaca    600
ggtcaaaaaa cctga                                         615

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<210> 10127

<211> 306

<212> DNA

<213> A.fumigatus

<400> 10127

```

gtcatgaagc acttgcaccc tacttcagtt catacgtgtg gactatattt ctatccttta    60
tctgtccgtc ctatcacctc atgtttggat taccgtttca gggtccaaaa agaatactcg    120
gggtctgacta gcacccgatg cgagacatac ttcatttcag cggccgaact cgacgtcagc    180
ggcgagattt tgcttgacac acatgcctca cctcggttcg taagctgtcg atggcgaaact    240
gagagccttt ggtttgacaga tttcgcaaat aaattcgtga ttgaggacaa tttccgtgag    300
aattaa                                         306

```

<210> 10128

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10128

```

acgcatgcgc tgtccttcgg cccggcgctg atgagcttcc tagacattag tattggcaac    60
ctcttgagca aacgcaagac ataccttcgc aacaggacaa ggctcacctc caacaacaga    120
ggcgagagtc cgatgctttg cagaatgac tccgccgtca agaccacctt gctcggattg    180
gaaacagcta tcgccatcgc ggaacctgca attcggactg accagcctcg attagccctg    240
tccgagagac catag                                         255

```

<210> 10129

<211> 282

<212> DNA

<213> A.fumigatus

<400> 10129

```

tcaatcaacc tcaactcaga gtcaatcact atgaaggcga atacaatgca gtctctctcc    60
gtgggccaca cccgcacgc aattgctgaa gtgaccatct tctctttcat ccaattggta    120
caatttatca caagattcat gcaagaatgg cagtactggc accacagaag ggagagaaat    180
gtccgcagat gcgtgctgta ctcttggttt ggcctgcttg ggattttggc gcagcgtaag    240
tgtgaattta cctgcccact atgggtctct ggacagggct aa                                         282

```

<210> 10130

<211> 663

<212> DNA

<213> *A.fumigatus*

<400> 10130

tcacatggcc	tgacaaacga	tctccttgcg	ggatggctga	taccttttcc	tgcagacctc	60
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caaaactcgc	ttccgctcaa	tctgaccgga	cagctgggat	tgaacgcct	gcaatgtctg	180
tggcagtcgg	ttgagaacat	caagtcgtgg	ctggggccatt	tctaccagat	cccttgctcg	240
gacctggctg	gccagccttt	tcatttttgg	tcccagatga	ttctgaccgt	caccctgctg	300
aagtacctat	caacactcca	tgaccccgaa	tgggattgcc	aggcgggtgcg	ggggacagtt	360
cacctaatca	cgacgatgga	ctcgatggtt	caaaagctcg	atctgagcag	caaagtgcgcg	420
gagtatcagt	gcgacgacca	tttactcaag	tttctgtcca	agcttttgac	cagatgtcgt	480
cggtgggctg	aagctcgggtg	gcacgacgag	gagacctggc	cgggccggag	cgccagctca	540
gacaccactg	gtcacaatca	tccgatcccg	gagctggatc	agatggctctg	gatgcagtcg	600
atggatttgg	gggatgatca	gtggtttgaa	aatgtcctgg	gcatgcccg	cgcattctac	660
tag						663

<210> 10131

<211> 1575

<212> DNA

<213> *A.fumigatus*

<400> 10131

aaattaggcg	cggattcttc	cagccccgtg	gtgaagactt	attgtggctc	ctatgggtgtg	60
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cctgagccct	acaagtactc	ggttgacgac	aagcgcgcta	tccctgaccg	tctgatctgg	180
agtcacagct	tcgaggcctt	cctggccacc	aagtccccca	atgacaagcg	tttcggtctg	240
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ggcatcaagg	acattgtcat	tggatgcct	caccgtggtc	gtctcaatgt	actgtccaac	360
gttgttcgta	agcccaacga	gtccatcttc	agtgaattct	ctggatccgc	cgagccttcg	420
gatgaagggt	tccgtgatgt	caagtaccac	ctgggtatga	acttcgaacg	tcccacgccc	480
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aacagcgcca	tgggtgttct	gctgcacggg	gatgtgcct	tccgcccga	gggtgtcgtc	660
tacgagacca	tgggcttcca	ctctctcccc	gcctactcga	ccggtggtac	tatccacatc	720
atcgtgaaca	accagattgg	tttcactacc	gacccccgtt	actcgcgttc	cacccccgtac	780
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ttcactcagc	ccttgatgta	caagcgcatc	gccgagcaga	aggctcagct	tgacaagtat	1020
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tgggttttggg	gtatgctcaa	cgacagcttc	gaccgcagca	aggattacca	gcccaccggc	1140
aaggaatggc	tgacctctgc	ttggaacggc	ttcaagactc	cgaaggagct	ggccaccgag	1200
gttctgcctc	atctgcctac	cgctgttgat	gcttctttgt	tgagccacat	tgccgacaag	1260
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cccttgaagc	acatcgtgta	ggatcagggc	agcttcgtca	tctccaactc	ttcccttagc	1560
gaattcggag	cgtaa					1575

<210> 10132

<211> 564

<212> DNA

<213> *A.fumigatus*

<400> 10132
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 catectattg ctgctccga tatcgaggaa ttcaccggtg actcgcactt caggtggatc 120
 atccctgacc cggcccacgg tagcaccatt gacgagcccg agaagatcga gcgcgtcatt 180
 ttgtgcagtg gccaggtcta tgctaccttg gtcaagcacc gcgaagccaa tggatatccg 240
 aacactgcca tcaccctgtg tgagcagctg cacccttcc cttgggctca gctgaaggag 300
 aacctggaca gctaccctaa cgccaaggac attgtctggg ctcaggaaga gcctctgaac 360
 gccggtgctt ggagttacac ccagccccgt attgagaccg tgctgaacga gactgagcac 420
 cacaaccgtc gccacgtcct ctacgctggt cggcccccaa gcgcctccgt cgcgactggt 480
 ctcaagtccg tccacgcca ggaggaacag gacttccttc aggaagcatt cactgtccac 540
 cagcatcgtc tgaaggcgga gtaa 564

<210> 10133

<211> 555

<212> DNA

<213> A.fumigatus

<400> 10133
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 ggcgtaagt tgacttccac attgaccagc ttacctttgc tctctcaagc taacttattt 120
 tcaagccttg gttttgaata cggttactct ctgacctccc ctaatgccct ggtcatgtgg 180
 gaggccagtg tcggtgactt cgccaataat gctcagtgca ttattgacca gttcatcgcc 240
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 gatggccagg gtccctgagca ctcgctcgggt agaattggagc gttgggttga gctttgcaac 360
 gaggaacctc gccagttccc cactcaggac aagttggacc gtcagcacca ggactgcaat 420
 atgcagattg cctacatgac ctctcctgcc aatcttttcc acatcttgcg tcgccaaatc 480
 caccgccagt tccgcaagcg taagtcttgg ttccctgcct ccttgaatga ctcttcatta 540
 actcaattgc catag 555

<210> 10134

<211> 414

<212> DNA

<213> A.fumigatus

<400> 10134
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 gcgacgcaag atgtggaaaa gattggcagg agaggtcatg taggcaatct gcatattgca 120
 gtccctggtg tgacgggtcca acttgctctg agtggggaac tggcgagggt cctcggttga 180
 aagctgcaac caacgctcca ttctaccgga cgagtgtcga ggacctggc catcataacc 240
 gtgaggcagg gagacaacga gaccggagcg ctgcagccac ttggactctc cagaggcgat 300
 gaactgggtca ataatgcact gagcattatt ggcggaagtca ccgaactggg cctcccacat 360
 gaccagggca ttaggggagg tcagagagta accgtattca aaaccaaggc ttga 414

<210> 10135

<211> 609

<212> DNA

<213> A.fumigatus

<400> 10135
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 cttggcggtg acggacttga gaccagtcgc gacggaggcg cttggggggc gaccagcgta 180
 gaggacgtgg cgacgggttg ggtgctcagt ctcgctcagc aggggtctcaa tacggggctg 240
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 gttagggtag ctgtccaggt tctccttcag ctgagcccaa gggaaggggt gcagctgctc 360
 aacacgggtg atggcagtggt tgccgatacc attggcttcg cgggtgcttga ccaaggtagc 420

atagacctgg	ccactgcaca	aaatgacgcg	ctcgatcttc	tcgggctcgt	caatgggtgct	480
accgtggggc	gggtcagggg	tgatccacct	gaagtgcgag	tcaccgggtga	attcctcgat	540
atcggagcga	gcaataggat	gacggaggag	ggacttggag	aagaagatca	cgagggctat	600
ggcaattga						609

<210> 10136

<211> 1608

<212> DNA

<213> A.fumigatus

<400> 10136

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gtcctgaccg	gaaacacgga	catggtagcc	ctctttcacc	agagaaccaa	aggcgagggc	240
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aatacgcttg	aggttgcggt	ggacgggtgaa	gcccctcggg	gcgccgctaa	tcttgtcggc	360
aatgtggctc	aacaaagaag	catcaacagc	ggtaggcaga	tgaggcagaa	cctcgggtggc	420
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gaactcggca	cgccagtcgg	cagcaacctg	acaaacgtag	ttcacggcct	cgacatcatc	780
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acggtcaagg	atacggcgct	tgtcgtcaac	cgagtaactg	tagggctcag	gaatttcgaa	1500
gcgatcacgg	atccagtcgc	agggcttacg	atcaggaatg	tgaatgtact	ccacaccata	1560
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<210> 10137

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 10137

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caaaccctta	ctgcaacctt	caagagcgta	tggtttattg	caactgacca	atgtataacc	180
cgctgaata	taaaactgac	accgagacag	tcgcccacgg	agctgcctct	gctcccaaac	240
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aacacaaaac	ggggccctcg	cttcggcatc	acctactcgc	cttacaccag	ccacggcacc	360
tgcaagacct	tcgaccagat	aaaccaggac	attgagcacc	tcgcccatac	cgcttcatc	420
cgcatctacg	gcatacgactg	cgatcagacc	aagctcgtca	cccaagcagc	cagacagcac	480
ggcctaataag	tcttcgcagg	tgtcttcgac	ctccataact	tccccgacag	cctgcattac	540
atccgcgacg	ccgccaccgc	cgcaggaggt	gactgggtcca	ttttccacac	catcgccatc	600
ggcaacgagc	tcgtcaacaa	gggccagaat	aaaccagctg	acgtcgtcaa	cgccgtcaac	660

accgccccg	gcacccctccg	cgccgcagggc	taccagggcc	ccgtgggtcac	agtcgacacc	720
ttttccgtga	tgctgcagca	cccggaaactc	tgccgcgcgt	ccgactactg	cgccgccaac	780
tgccacgcct	tcttcgataa	caaccagctc	cccgaaccg	cgggggagta	cgcgctcgac	840
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gccattgcga	gtctgagaaa	ggcgtttgca	gacgatccgg	acttagtcct	cttccactgcg	1020
tttgatgact	tgtggaagtc	ggataatcaa	tggacgtttg	gcgccggagcg	gttctggggg	1080
attcaggata	tggggcgcg	gcggggagcgt	gagcaggatc	gggagtaa		1128

<210> 10138

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10138

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cttggtatcc	ttgcccaggg	tttaggcctc	ctgcgcttgg	tgacgaactt	actccacttc	120
tacgatgctg	cagggaataa	cttagtactg	gttgtgggtg	ctgatgatcg	ggagaatgaa	180
tggatcggtg	aaggtacgga	gtacgcggat	ttcaatacct	tacaggtctc	tcagaagttg	240
cgagactaa						249

<210> 10139

<211> 477

<212> DNA

<213> A.fumigatus

<400> 10139

gcgacttcgg	ccatgtctca	ctcttccctt	gtattaattc	atcattacca	gagcatggct	60
gtcaccctca	cccattgaaa	gagtcagaaa	gacccctcag	aacaattcct	tcgcacagtg	120
aacacgcgta	tcgccggagg	gggtcgatta	gccgcaactg	catcacctcc	tcgagtagtc	180
gtggacgtta	gagagttcag	aagcgcctct	ccgtctctgt	tgacacggaa	caacatgac	240
atcgctccgt	gccagttaac	agtcggcgat	tacatcctaa	caccggatat	ctgtgtggag	300
cggaaatcag	ttcgtgacct	catcacttcc	ttgagaaatg	ggcgccctca	caaccaggcc	360
gagacgatgc	tcagcatta	caagaacctt	ctactgctca	tcgaattcga	ccagaacaaa	420
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<210> 10140

<211> 498

<212> DNA

<213> A.fumigatus

<400> 10140

aggcatccta	ggatagtagc	aacttctacc	gaagctttta	taattcggat	ctatcggtcaa	60
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tttgctcctc	tggttaatta	tatgcgtaac	ctgtttttgc	gcaaaacatc	attatggcca	180
cgttttcacg	tcactgttgc	cgagtcatta	gagggacaca	ggaaagccga	ggtgattgag	240
cttgaggtgc	cgatgaccga	taaaatgcgc	gaaatccaga	atgcggtctt	agagtgtgtg	300
gaaatcagta	ttgcagaatt	gaagaaagca	aataccggac	ttgacatggc	ggactggact	360
ctggacagcg	cgttgcatag	gagctttgat	attgcgataa	ggcgtcagct	cgatcccatg	420
tggcatcgag	tgagttttag	gaccaggcag	attgtcagcg	acctgtctga	tcttcgcgcg	480
attcttcagt	acgttttga					498

<210> 10141

<211> 1287

<212> DNA

<213> A.fumigatus

<400> 10141

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gttttaggac caggcagatt gtcagcgacc tgtctgatct tcgcgcgatt cttcagtagc 60
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gcgttgctta cctatgatgc ggtctccttc gtgaaatata tggatactat tgtgaccgcg 180
cattccccac cgcttggttc gacaagacat aattattcac cctggctctt tctcgatgct 240
gtcacgtac tcttcagac cgcgaaagta aggggtgtacg aaggaaagat caccctgat 300
gcagccaata ctctcgattc tacccttcaa cctgttctgg aggaacagcc caaatgggca 360
gttctagcag aagtgtgga agagattgaa caagatgctt atttgaatcc tgtcagcacg 420
gatggatcga atagtactgt gcttatcatg tgtaccgacc agcggacttg ccggcagatt 480
agggagtatc tcggaacaat gcatgccaga attggtaaag acaaggcaga agatccggga 540
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cgcgaaatac ttgattggaa gacttcgttg gcgaatgtta acaggaatct atctgccaaa 660
tcaggcgacg acaccagaa cgcaaagggc caggagtcac cgaagccaac gagtacgaa 720
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gcagcgcgag tgccaaatgc tagcgtgcag actgacaccg aattgccggg tcaagtttct 840
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tacattatta tgtacgaacc cgatgcagca ttcattcgac gagtggaaat ctatcgcac 1080
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caacgttacc taagtgcagt ccgacgagag aaggactcat ttactaagct aataaaagag 1200
aaaggggtaa gcgacttcgg ccattgtctca ctcttccctt gtattaattc atcattacca 1260
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```

<210> 10142

<211> 858

<212> DNA

<213> A.fumigatus

<400> 10142

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acgttccccg gacctctatt gagaaaccgg agcgttccgc gctccgcctc aacatcgatc 180
tccaagtggg cggatcgcgg cggggacgta caacccttca tcgcactcgg catggcccat 240
caagagaacg gggcccccg ggtccgactc gcaacacacc tgggcgttcc ggggacttgg 300
tccaggggac acgggtctca attgttcagt atgggcggcg atcccgcgga gctcaggggg 360
ttcatgggtg agaacccccg tctgctgccg gggatgaaaa cactgcgcag cggggcgatc 420
cggcgcgggc ggaggggaaat ggcggcgata ttctccggct gttggcgatc gtgtttcgag 480
accggcgatg ggacggggact gcacatgtg cccgaggatc tgtggagcga gacggtggac 540
taccgggagc agccgttcgt ggcggacgcg atcatcgcca acccgccgag ttttgcacac 600
atcagctgcg cggagaaaatt gggcgtaacc ctgacgtca tgttcacgat gccttggacg 660
cctacacagg cttttccgca tccgctggcc aacgtgcgtc cgacgcgtac gaagcgctct 720
gtcgcgaaat tcgcctcgta tgcgattgtc gagatgatgc tttatgaggg attgggagat 780
ctgctgaata aattccgcaa gcgagagttg gggctggatc cattggagcc tttttacttc 840
acgccgggat ggaagata

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<210> 10143

<211> 213

<212> DNA

<213> A.fumigatus

<400> 10143

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ggaggccgat ggggtggccc attgggcacc accatcgca ccccttctg cacttcgccc 60
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gcgactgtct tggaccagaa aggcacgga catgtctgtt gtcgatgctt ccatgactgc 180

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cacgataact actgggtcaa gtccgagtat tag

213

<210> 10144

<211> 273

<212> DNA

<213> A.fumigatus

<400> 10144

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agtctttaca	cctgggatct	tgattccccc	aaggacgcga	tgcctccgca	acaacctact	120
ggtggaatca	cgacggcgga	ctggccgcaa	caggccctga	gcgacctggt	tgccgcagac	180
cgatcatcaca	accccctgct	ggaccatggg	atgaatacag	gggtgcggat	aacaggtatg	240
atggcggtgt	cagcagaaaa	gcagcaaagc	tga			273

<210> 10145

<211> 672

<212> DNA

<213> A.fumigatus

<400> 10145

tcctccagtg	tccgcacaat	aaaagccccc	atccccgttc	caatcgcaaa	agagaccaaa	60
acccgcttcg	accaaattctc	caccctcttc	cagaacgtca	tccccgacgt	caccggcctc	120
aacagctggc	gctaccagcg	ccaactcagc	ggcgccatcc	aggaattcat	cgaagcgctc	180
tctttcaacc	actatctaca	gacccaatcc	ctcatctccc	acgccgaagt	cagcaagcac	240
cttcctgccc	agatcctcgt	cacggaagaa	gattacctgt	tgggcatggt	cgatctaacc	300
ggtgaaatga	tgcggtttgc	gattacgtca	ttgtcgacgg	ggacgatggg	gcaggaggat	360
agcggcggtg	atgatctggc	ggcgcgggat	atttctggag	ctgggtgcgca	tcatagtctg	420
ccgaagctgc	cggccacgca	ggcggggtatt	gttggttgatt	tgcgggaaat	gcggtcgtcg	480
ttcgagttgc	tgagtgtgcc	gcggcgggcat	gcgaataata	tgcttcggga	tatggggaag	540
aagggtggaag	taatgcagaa	tagtgtggag	aagggttgagc	gggctgcgta	tgggattttg	600
gtgcgtggta	gtgagcgccc	gtcggggtgg	acgccggatt	tgtccgcgcc	ggttgatatg	660
gaggtttatt	ga					672

<210> 10146

<211> 405

<212> DNA

<213> A.fumigatus

<400> 10146

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accatgaccg	tcaatcaatc	gcaatttgta	ctatcacccc	aaaaacagtc	caaactccag	120
caacatcacc	ccatggcagg	taacaagcga	tcgtgggaag	gcaatccggg	gagagttgag	180
aaaacacaga	caaacatggc	cgtagcacca	gtcgatcagc	cttctacaca	tattctttcc	240
atgttcgaga	ccttccgcga	cgaactcgat	cagcaccacg	accgccgaga	acgagtcatc	300
aagacgagca	gagatattac	agccctgagt	aagaagatgt	tagtgccctg	tcccgttcgt	360
cccgtttgca	tacattcgca	ctcaagctca	attcgcgga	gctaa		405

<210> 10147

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10147

ttgcttatga	caggtaacat	cctcccgcgt	atcaacgccg	cgccggcgct	gcaggccaac	60
gcaaaggaa	tcgagaagca	tatgctcgct	gataaccttg	accagaagct	gcagcgtaga	120
ccgcagccgg	aggagcttat	ctcgcagggg	atcttgacgg	aagatgagga	cccaggtgc	180

ccggctgtgt ag

192

<210> 10148

<211> 561

<212> DNA

<213> A.fumigatus

<400> 10148

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cgactcaac	ggaccgcact	cactgccgcc	gatcgcgaaa	atatacctgaa	gccatatttg	120
ccggatccat	cagaactagc	acgtcgacca	caccgactga	agaaaccccc	ccgaaaagct	180
cccattcgaa	cgttcttaaa	gtctcggtcg	catcaactta	cctatacctt	cattcatatt	240
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gcaattgtct	attatcatca	ccgcacacca	aaattgatac	gaaaagatgt	caagggccta	360
agacgtttgc	cgggacatct	gaccgttggt	ttatcactac	gtaaggaaga	tgatgcgctt	420
gcgattctga	tggacgaagt	tgcagaactg	gctgcttgga	gtgttagcgc	tggcataccc	480
atgctgagtg	tatatgagaa	gagcgggtatg	tccagacact	tcacacttgg	cattctggct	540
tcctcaagcg	ctctgaggta	g				561

<210> 10149

<211> 615

<212> DNA

<213> A.fumigatus

<400> 10149

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gcaagcaaatt	tcgcttcata	ttacgggttca	attcctcagc	agccaactct	gcgggttttc	120
gctcctcatc	attctgttta	tgagccagct	cttgatcatg	ataaggcccc	tagagtcaat	180
actgactctc	ttaccctgct	tctgctatca	gctaccgatg	gaagagaaac	catagttgat	240
cttactcaaa	cgctagcgga	gatgtcacag	aatggtaaac	tgaccaccagg	tgatatcacc	300
atggaattgg	tggatgcaga	aattagcgaa	attacaacgc	agccattgca	gccggcctcg	360
ttgagcattg	gtgacaggca	aacgactgct	gttcacccca	ctattgcagt	gaagccagaa	420
ccagatttac	tattagtgtt	cgcgcccttc	ctgaagctgg	atggatatcc	tccctggcat	480
attcgectga	ctgaaatgtt	ttgactgggt	ggtaaaggta	gcggcggttac	tagttatggt	540
gatgctgtcg	aatatcaggg	ttttctcaga	ggtttatggc	actacgccgg	agctcagatg	600
aggtttggtc	gctag					615

<210> 10150

<211> 1098

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (101)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10150

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gtcatggccg	agaattataa	attctttgct	ctgaaacgag	tgaatctcga	agatgtcgac	180
ccagtgactc	tagctggcta	caagggcgag	atcgacctct	tgaagaggct	ggaaaacatt	240
gatcgggttg	tccgattatt	tgactgggaa	ctcaattcgg	acaagcacac	cctcagcggt	300
ctgatggaaa	tcggagagtc	tgatttgagg	aagattttga	cctaccgggt	gaatgccgag	360
gatgctgtgt	ttgatataca	cttcacgcgg	tattactgga	aagagatgct	tgagtgtgtt	420
caggcgggtcc	acaattgcaa	tattgtgcat	tctgatctga	agcccgccaa	cttcctcctc	480

gttcagggaa	ggttgaagct	gacgattttt	ggaatcgcca	acgctatcca	ggataaacacg	540
gtcaacgtgc	atcgcgagca	gcaagtcggc	acacccaatt	atatgtcacc	agaagccttg	600
atcgactcga	atgcctcact	tgggcttcca	gccagtgttg	gaaagatgat	gaagctcggc	660
aagcccagcg	atgtctggag	tctaggtgtg	atcctctata	aaatggtcta	tggccaaccg	720
ccatttgcca	aaatcgccaa	atattatgag	cgcacatggt	ccatcccaaa	ccctaaagtg	780
cagatcgact	tcccagcttt	tgggtgttga	ggagtgtcga	taccgccggg	gctgattcgt	840
accctgaagc	gctgcctgca	gggggatcag	accctacgac	cgacagtgga	agaacttctt	900
agccaaagag	attcattttt	gtaccctgac	gcacaattgg	aaggcactgt	tcccgtcaat	960
caggacatgc	tgggcaggat	cctgatgaat	gttgtccacc	actgccggac	tgggggcata	1020
cccaaggacg	aagaaatagc	cgcttgcccg	gctggattct	atgcgaaaat	caaggcggga	1080
ctagaagaaa	atacttga					1098

<210> 10151

<211> 876

<212> DNA

<213> A.fumigatus

<400> 10151

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gttctcagga	gtattggtga	tctgcgcata	tttaccocat	acgaccttcc	cgcttgctgt	120
gacgagacct	aattcggaga	cgcttgacttc	gatgatggtt	cccttggtca	ggactcccag	180
ttgggtgtac	agagggttct	gcgggttctt	cttgacgccc	aggatgggca	gttgacgggt	240
gacgccgagc	tccgggctga	taaattgtca	gttgggttgc	aacgcaaaaa	gcttagaggg	300
aaggaaggca	gcatactgcy	tgacattggc	cttcttgtaa	cgcagaccca	tgggccggat	360
gaaacgctcg	tacttgacct	gtcgcggggt	gaagtcgcta	ccgacaaatg	tgggcttggt	420
gacatccgc	ttccacgact	tcttggtcgt	cttcttgccc	gtgttgacga	ccttgaacat	480
ctctctctca	ctgataccct	tcaccttggg	caggggcacc	gogaacttgg	ccgccttctc	540
agcacgctta	tccttgatag	cactggacag	agccttgggc	ttggtcgcct	gccaacggtc	600
gaacaggtac	tggggcagag	gggtcttgga	ccgctcgtcg	ggggcggagg	acttgacctt	660
ctttccctcc	cgtgccttga	tgccctgcc	cctctggatc	ttcctggcct	gacgcttctg	720
ctggtactgc	ttggcccgcga	ggccccgcct	gttccggggc	atcctggaga	ccggttggtg	780
cgattccccg	gccttggcgt	cttgcggaag	ccccccctcc	ttggttccga	cctcccttac	840
cgtggcggtt	tttggccacc	cgcccccata	ttccct			876

<210> 10152

<211> 609

<212> DNA

<213> A.fumigatus

<400> 10152

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ggggggcttc	cgcaagacgc	caaggccggg	gaatcgaccc	aaccggtctc	caggatgccc	120
cggaaacaggc	ggggcctgcy	ggccaagcag	taccagcaga	agcgtcaggc	caggaagatc	180
cagagggggca	ggggcatcaa	ggcacgggag	ggaaagaagg	tcaagtcctc	cgcccccgac	240
gagcggtcca	agacccctct	gccccagtac	ctgttcgacc	gttggcaggc	gaccaacgcc	300
aaggctctgt	ccagtgtat	caaggataag	cgtgctgaga	aggcggccaa	gttcgcgggtg	360
cccctgcccc	aggtgaaggg	tatcagttag	gaggagatgt	tcaaggtcgt	caacacgggc	420
aagaagacgc	acaagaagtc	gtggaagcgg	atgatcacca	agcccacatt	tgtcggtagc	480
gacttcaccc	ggcgaccggt	caagtacgag	cgtttcatcc	ggccgatggg	tctgcgttac	540
aagaaggcca	atgtcacgca	gtatgctgcc	ttccttcctc	ctaagctttt	tgcgttgcaa	600
cccaactga						609

<210> 10153

<211> 300

<212> DNA

<213> A.fumigatus

<400> 10153

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aaccgcaga	accctctgta	caccaactg	ggagtcctga	ccaaggaac	catcatcgaa	120
gtcaacgtct	ccgaattggg	tctcgtcacg	acaagcggaa	aggtcgtatg	gggtaaatat	180
gcgcagatca	ccaatactcc	tgagaacgat	ggcacgggtca	atgcgtatgt	gacctttcac	240
caatgtatct	cccaagacag	agtcattgcta	atcttcgtgc	gcagagtcct	cctgggtctaa	300

<210> 10154

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10154

gctttttgcg	ttgcaaccca	actgacaatt	tatcagcccg	gagctcggcg	tcaccgtgca	60
actgcccata	ctgggctgca	agaagaaccc	gcagaaccct	ctgtacaccc	aactgggagt	120
cctgaccaag	ggaaccatca	tcgaagtcaa	cgtctccgaa	ttgggtctcg	tcacgacaag	180
cggaagggtc	gtatggggta	a				201

<210> 10155

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10155

ttcagcagtc	tatatctctg	ggaggcggtc	aaggcgcgca	ctgtgattcc	aactatcaaa	60
agtatgcata	tagttcatcg	atccgatttg	caagtcagta	gaaatagaca	tcattgatttt	120
gatgagcaga	tcttcacgtc	ggcgcgtgat	taccttgat	acatacatat	acgtcgttca	180
ccaagctacg	gtatatattc	agttaacata	cgtatcctct	aa		222

<210> 10156

<211> 306

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (39), (86), (104), (115)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10156

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ctctctctca	gcattgcatt	taccacatta	gccactgttt	tcacaattat	tcgagtttac	180
accgaatat	tcctggtgaa	gcagatgggc	gccgatgatt	gggctatcat	tgtggctctg	240
gtaaggcttt	cgcaggagtt	ccatagccga	ggacggattt	gccgactaac	cctcgcaggc	300
ctttag						306

<210> 10157

<211> 438

<212> DNA

<213> A.fumigatus

<400> 10157

tcctaactgt	gcgtttttcc	cacatcgaca	tcaatctacc	gaaagaacca	aactaactct	60
cagtccttag	atgataaacc	aggcgctgcc	aagtggctccg	ccattgaatg	caacgtcgcc	120

attatctgcg	cctgcctccc	tggcatccgt	gcctttatca	ccaagctcct	ccctcgcttc	180
ctctccagct	acaagagcaa	gagcaacacc	cgcacgagga	cccaacgcag	ccatgttacc	240
cacttctcca	acttccattc	ttccatcgct	gaccgccagt	ccaaattcca	catgcagtct	300
gtcagccacg	gcccggaggg	cggcgactac	aaggctagcg	gtttcgagga	aggcacttcg	360
aataagatca	aagtcaccac	catttgtgtca	caggaatccg	tgtcgaatga	tgcttcgagt	420
gtgcggcagt	tattataa					438

<210> 10158

<211> 183

<212> DNA

<213> A.fumigatus

<400> 10158

ttcaattcct	ggggcgctctg	gtcactcgca	caaactctcg	accaacatgg	caacatcagc	60
tccagttccc	acattaactc	cgggtactat	tactctatta	ctctattagg	cattgactac	120
tttaggctat	cgtttaacta	cttaagtgcc	catgaaccta	aagacgtcag	ccaacggatc	180
tag						183

<210> 10159

<211> 408

<212> DNA

<213> A.fumigatus

<400> 10159

atgataaccc	aggcgctgcc	aagtggtcgg	ccattgaatg	caacgtcgcc	attatctgcg	60
cctgcctccc	tggcatccgt	gcctttatca	ccaagctcct	ccctcgcttc	ctctccagct	120
acaagagcaa	gagcaacacc	cgcacgagga	cccaacgcag	ccatgttacc	cacttctcca	180
acttccattc	ttccatcgct	gaccgccagt	ccaaattcca	catgcagtct	gtcagccacg	240
gcccggaggg	cggcgactac	aaggctagcg	gtttcgagga	aggcacttcg	aataagatca	300
aagtcaccac	catttgtgtca	caggaatccg	tgtcgaatga	tgcttcgagt	gtgcggcagt	360
tattataagg	gttggttatcc	ctggacgggt	tctttctgcc	atgcatga		408

<210> 10160

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10160

tcccatccag	cccgaatcgc	ctcaccggga	gaagcaggct	ccatccgccc	gcagggacgc	60
caacgggtag	tccttcgagt	tccgcgacga	cacgatcccg	gcgggcctgt	agttgcgcca	120
catacggcgc	cagagtctgg	ggcgaccggt	ccagcgcaac	cgcgacggct	tcttgggcga	180
tccccacggg	cacgacgaca	ttggccatgc	acaccgcggc	aatgtcgctg	a	231

<210> 10161

<211> 288

<212> DNA

<213> A.fumigatus

<400> 10161

acttcccaga	tcaccctcaa	catgcacttc	atctaccagg	ccctgtctgc	cctggcgggc	60
tctctcctct	tctcatccgc	caccgcaggg	atcgcgcact	gcaaggctcg	agaggcatgg	120
cccgattcct	cgcactgcca	caacttctac	gagtgcgcgt	ccgaaggcgc	ccccgtcctc	180
aagacctgcg	gccccggtac	tgcctactgc	ccgacgacgg	gtgtttgtgt	ccacgaggaa	240
aacgtcccca	gctgcttcca	cagaggatcat	cactctgagg	atgagtag		288

<210> 10162

<211> 1014
 <212> DNA
 <213> A.fumigatus

<400> 10162
 actgtgacca tgcctcgtac tcgccccga cggtcaacc acctgcaagg catcaatgtg 60
 gaccagatgg cccagatcgc cgacgccgcc aacaacgact acctccgtct cgaaaacctc 120
 gacgtcaaca tcccgccgga accagaggct ctagcttaca tgcagcaggc cgtcgcgcac 180
 gaggcattga atagttacct ccattcacc ggcaaagccc gcctgaaaga catcgcagcc 240
 agacacgtct cgcaggtgtc gggcatggca tataccggcc agcgccactg cgtgatctcc 300
 gcgggcgggc tatccggcat cctgaacgtt ctccctggcaa ccatcgagga aggcgcagag 360
 gtgatcttga cggatccgac gtaccggggg ctccctcaacc gggtcctgct cgcgggcggc 420
 gtcccaaac tagtcccggt caccctccag ccagggcagg agtggcggtt agaccaggcc 480
 gcactgcgcg cggcgattac tgagaaaacc acagccattc ttctcatgtc gccgtcgatg 540
 ccgagcgggg gctacttgac tcgagacgac tggaccctcg ttgccgagat ctgcgtgcag 600
 aatgacctgc ttctcattct ggatacggca atggagcgtc tgctgttcga tgcgcggccg 660
 gtgattcacc ctgcccgttt ccctgggatg ttcgagcggc cggtgacggt cggctcgtcc 720
 gcgaaagagc tgcgcattat cggctggcgc gtcggctgga tcgtgggacc cgaggagctg 780
 atcagcgaca ttgcccggtt gtgcatggcc aatgtcgtcg tgcccgtggg gatcgcccag 840
 gaagccgtcg cgggttgcgt ggaccgggtc ccccagactc tggcgccgta tgtggcgcaa 900
 ctacaggccc gccgggatcg tgtcgtcgcg gaactcgaag gactaccctg tggcgtccct 960
 gcgggcggat ggagcctgct tctccgggtg agcgatttcg ggctggatgg gaggc 1014

<210> 10163
 <211> 828
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (621), (650), (672)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10163
 ggccatgacc ttgagctcag tatcaaccat cctttcaaaa gatcaatcga gaatcaagtt 60
 tcaatctcca gatattggct cgcacgtcc ttattactct cagtcgcata ctccaggtatt 120
 tccacctact caaatcatcc agcagtcact aaacttccca gatcaccctc aacatgcact 180
 tcatctacca ggccctgtct gccctggcgg cctctctcct cttctcatcc gccaccgcag 240
 ggatcgcgca ctgcaaggct ggagaggcat ggcccgatcc ctccgactgc cacaacttct 300
 acgagtgcgc gtccgaaggc gccccgtcc tcaagacctg cggccccggt actgcctact 360
 gcccgacgac ggggtgtttgt gtccacgagg aaaacgtccc cagctgcttc cacagaggtc 420
 atcactctga ggatgagtag ttgtactttg atgcgcgggg actggtatac tgcaagatgt 480
 ataatccatg cattggagac tggactgcat gtgtttctgt tttgggtttt ataccatgtt 540
 ttgatagagg gagatagact ggttcctgtt attagaattg tttggatgtt gaggctaata 600
 atcgagaatt catgtcattc ntaccaatat ctacgcattg catgcccctn taggtttctt 660
 cagttctgct tntacacaaa tctcacgaac ttgttgcgca gcaaccagac caacatggat 720
 cacgttcatg agaacagaac aaccagctct attcaagagg atcaggccta tagcattagc 780
 ggcgcaccac ctcatagcag ccaaattgct tcccttctgg atcgctga 828

<210> 10164
 <211> 966
 <212> DNA
 <213> A.fumigatus

<400> 10164
 gtgatgatct atgggttgtgt agtgatgtca ctgacttcaa tccaaatcac agagctgctc 60

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cttgagagat ggaagtctaa aagaaaacac tatctcatcc tgtctgctgc tgggaagccc 120
atttggacca gacatggtga tggcggaactg atctcgggtt acataggtgt cattctgacg 180
attatatcgt tttatgaaga tgccaatgat cgtttgacca gtttttgctc cggggataca 240
aagtttgtga ttgttaccaa ggggtccatta tatttggtag ccattagtcg actcttggag 300
agcgatacgc agctgaaatt acagctagaa gccttgtaca tgcagatttt gtctacccta 360
acactgcctt cgttgacaca tctcttttct gtctgaccgt ctaccgatct caaaaggccg 420
ttgcaggggt ccgagacgtt actgtctact ctggcagaca gcttcacaaa gggatcaccg 480
tccactttcc tttccgcatt ggaatgcttg aaaatccgca agtcacatcg acaagcgatc 540
aacaatgctc ttttaaaaac aaaggtgagc agcctactgt atggctctgt ggttgccggg 600
ggtagattag ttagtggtgt gagacccaag aaacattcgc tgcacacctg tgacttacaa 660
cttctcttca acatgatctt cgaagcagaa ggcacaaaag ctggaggtgg ggaaagctgg 720
atcccagctt gtttaccggg attcaacagc agcggttatc tatatatgta tgtcagtttt 780
cttgatctcc gcgaaaactc aggcacttct gccagcgaga cgacgacaac agagcagtcg 840
gtggccatca tcctgataag cccgaataag gaagggtttt tcgagatgca ggagatgcga 900
aattcacttg tcgaggtatg taaatcgtct tcaccacggg gctggaagga tcggcgggaa 960
agcata

```

<210> 10165

<211> 276

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (169)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10165

```

ccaatgcat caccggggc agaagaagtc tcccggaatg ccgggttttt tgtttacctc 60
actccttcgg cggcattggg ttcgattacc gcttgcaatg gccatcccca gacatgtaca 120
tcaaactccc tgaaggaaaa atccgacaat gagtgggaaa tgggtaant agccttcacc 180
ttaaccaaca gacgtcacgg cgagaagaca atcgctatg cagaaagcca tgatcaagcg 240
ttagtccctt cccgagatct gcaatgtcgt ccgtag 276

```

<210> 10166

<211> 201

<212> DNA

<213> *A.fumigatus*

<400> 10166

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cgacggcgta gtgctcctca ccgacgatac gggggctcgag catacgagac ttggagtcga 60
gagggtcgac agcagggtag atacccaact cagagatacc acgggacaag acagtgggtg 120
cgtccaagtg agcgaagggt gtggcggggg cagggtcagt cagatcgta gcgggcacgt 180
agacggcctg gacggaggta a 201

```

<210> 10167

<211> 882

<212> DNA

<213> *A.fumigatus*

<400> 10167

```

tcaagcgta gtcccctccc gagatctgca atgtcgtccg tagcaactaa cttcttcagc 60
ctggctggcg ataaaacgct catgatgtgg ctctgcgaca aggaaatgta caccacatg 120
tccgtactga ccgagttcac cccaccatc gaacgaggca tggccctgca caagatgatc 180
cgactgggtc ccacgggtct gggaggagag ggctacctca acttcgaagg taacgagttc 240
ggtcacccag aatgggtcga ctttccccga gccggaaaca acaattcctt ctggtatgcc 300

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cgccgccaac	tcaacctcac	cgaagaccat	ctcctccgct	acaagttcct	caacgagttc	360
gaccgcagca	tgcagttgac	cgaggagaag	tacggctggc	tgcactctcc	acaagcctac	420
gtgagcctca	agcacgagat	cgacaaggtc	ctcgccttcg	agcgcgagag	tctgctctgg	480
atcttcaact	tccaccctac	agaaagcttc	accgactacc	gtgtcggcgt	cgagcaagca	540
ggtacctacc	gcacgtcctt	agacactgat	gatccagaat	ttggcggtct	cggtcgtaat	600
ctcaaggaga	cccgtttctt	caccaccgat	atgccctgga	acggccggag	taattacctg	660
caggtctatc	ttcctaccog	aacagcgctg	gtatgtactc	catccacctt	ccccttcgtt	720
ggcgatttaa	gagctaacaa	gaagcttcaa	tgcaggtctt	cgccctggaa	gaaacactgt	780
agtcatttta	atggattcat	gccacgtttg	ggcgcgggtc	aatgcgagtc	attacataat	840
gatatcaaat	atgttgcgct	acctaataat	ttacctcaat	aa		882

<210> 10168

<211> 909

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (528)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10168

atcatgttca	aacttaccct	caggaagatc	atcaccttca	ccgttgatga	tggccttgaa	60
actgcggatg	gtgtccttga	ggtcgaccag	cttaccctcg	ataccagtga	agacctgggc	120
gacagtgaag	ggctggctca	ggaaacgctg	gagcttacga	gcacgctcga	cggtagagctt	180
gtcagcttca	gaaagtctgt	ccatacccaa	aatggcaatg	atatcctgga	gggacttgta	240
ctcctggagc	atctgtctga	cacgggtagc	gacggcgtag	tgctcctcac	cgacgatacg	300
ggggctcgag	atacgagact	tggagtcgag	agggctcgaca	gcagggtaga	taccaacttc	360
agagatacca	cgggacaaga	cagtgggtgg	gtccaagtga	gcgaagggtg	tggcgggggc	420
agggctcagtc	agatcgtcag	cgggcacgta	gacggcctgg	acggaggtaa	tagaaccctt	480
cttgggtggtg	gtgatacgct	cctgcatacc	acccatgtcg	acggccangg	tgggctggta	540
accgacggca	gaggggatac	gaccgagaag	ggcagacacc	tcagaaccgg	cctgggtgaa	600
acggaaaatg	ttgtcaatga	agagcagcac	gtcctgaccc	tctcgtcac	ggaagtactc	660
ggcaatggtc	agaccggtaa	gggcgacacg	ggcacgggca	ccggggggct	cgttcatctg	720
tccgaacacc	agtgcgacct	tggattcacc	ctcgagctga	atgacaccag	tctcctgcac	780
ttcgtggtac	agatcgttac	cctcacgagt	acgcccccca	acaccagtga	agacggagta	840
accaccgtgg	gccttggcaa	tgttgggtct	acatgggtttg	cgttattgaa	aagatcgagc	900
gaaaactaa						909

<210> 10169

<211> 948

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (355)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10169

cgcaaaccat	gtagaaccaa	cattgccaag	gcccacggtg	gttactccgt	cttcactggg	60
ggtggggggc	gtactcgtga	gggtaacgat	ctgtaccacg	aaatgcagga	gactgggtgc	120
attcagctcg	agggtgaatc	caaggctcga	ctggtgttcg	gacagatgaa	cgagcccccc	180
ggtgcccgtg	cccgtgtcgc	ccttaccggt	ctgaccattg	ccgagtactt	ccgtgacgag	240
gagggtcagg	acgtgctgct	cttcattgac	aacattttcc	gtttcaccca	ggccgggttc	300
gaggtgtctg	cccttctcgg	tcgtatcccc	tctgccgtcg	gttaccagcc	cacctgggcc	360

gtcgacatgg	gtggtatgca	ggagcgtatc	accaccacca	agaaggggttc	tattacctcc	420
gtccaggccg	tctacgtgcc	cgctgacgat	ctgactgacc	ctgccccgc	caccaccttc	480
gctcacttgg	acgccaccac	tgtcttgtcc	cgtaggtatct	ctgagttggg	tatctacctc	540
gctgtcgacc	ctctcgactc	caagtctcgt	atgctcgacc	cccgtatcgt	cggtgaggag	600
cactacgccg	tcgctacccg	tgtccagcag	atgctccagg	agtacaagtc	cctccaggat	660
atcattgcca	ttttgggtat	ggacgaactt	tctgaagctg	acaagctcac	cgtcgagcgt	720
gctcgtaagc	tccagcgttt	cctgagccag	cctttcactg	tcgcccaggt	cttcactggt	780
atcgagggta	agctggtcga	cctcaaggac	accatccgca	gtttcaaggc	catcatcaac	840
ggtgaagggtg	atgatcttcc	tgagggttaag	tttgaacatg	atctatcgtc	tataattcga	900
aataaagtgc	taatgacatt	ttttagctgc	cttctacatg	gttggtga		948

<210> 10170

<211> 708

<212> DNA

<213> A.fumigatus

<400> 10170

tcatcaatag	tttcccggag	ttccctttcc	agcatctgca	ctcgctgctg	cagatcgctg	60
ctaccaggct	ttccagcttt	gagggctgcg	agctcctccg	caagttcaag	gtttctagtg	120
ttcaagtcac	caagttcctt	ttggatagct	ggattggcgg	ccacctctgc	tgctcgttgg	180
gctctgctac	cgtacgcacc	atcgagctcc	gctttggcca	ttgtcagttc	cgtttgtacc	240
ctaactactt	cgctttccat	ttcagtcagt	tcggcctgca	gacggctcgc	gctctgttct	300
gcgtttgcgc	gtccctcaac	tgcttctctc	actcgcgact	ccatgtcgac	gcgaagcttt	360
tccatagcgt	cttgacgccc	agagacctcg	ctgaccatth	cactcaattc	agcctgcagc	420
cgagtgcgac	tctcttctgc	agcgacacga	gaatcaaagg	cttccttgat	ccgtgcgtca	480
gcctcggtgc	gaacctgctg	catcgctctg	tccagctgca	gtacttggtg	ttcggtcgg	540
tccccggggc	tcgacagctt	cctcagctct	ggtgttgccc	tctgacgaa	gttgatcaac	600
caaattctgc	aggcgtgtga	cttcactatc	agccttcaag	cgagcggcag	tgagttcctc	660
tgtttgagag	acgctttcgg	atcgaagttg	ttcgagctgg	gattctag		708

<210> 10171

<211> 264

<212> DNA

<213> A.fumigatus

<400> 10171

agcttcgagt	tgcttgattg	ccaggctcag	ttcatccttt	gcaactctgag	ccccctgctc	60
agacagttcg	aggtctttcc	ggagatgagc	gatctgctcc	accagatcgg	ctatgtgcgc	120
atctcgttcc	gcgtccgatt	tggagttcag	ttctctctgt	tgctgaattt	gagtggtcaa	180
gatgctcttc	tgttcgagga	gcttctcgat	ctggctatga	aggatcatcaa	tgccaagatt	240
caggtattcg	aaatgtgctt	gtag				264

<210> 10172

<211> 861

<212> DNA

<213> A.fumigatus

<400> 10172

actgcaaaat	cagctgaaac	accgcgcaca	ttggaatcga	atcacgggtgc	ggagaaccat	60
ctagtggaga	tcaacgcccg	actgcaccac	atcgtggggc	aatctggatc	ttctcgctcg	120
caggctctct	ctcctcccc	agcgtcatcc	gggaatggcc	tacaagcaca	tttcgaatac	180
ctgaattctg	gcattgatga	ccttcatagc	cagatcgaga	agctcctcga	acagaagagc	240
atcttgacca	ctcaaattca	gcaacagaga	gaactgaact	ccaaatcgga	cgcggaacga	300
gatgcgcaca	tagccgatct	ggtggagcag	atcgctcatc	tccggaaaga	cctcgaactg	360
tctgagcagg	gggctcagag	tgcaaaggat	gaactcgacc	tggaatcaa	gcaactcgaa	420
gctctacggc	aggaactcaa	cgaccttcaa	caacacaaga	gcgcgcggga	agatcacggc	480

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agtgcctttgg catccgaaaa ggaagctcga gtgcatgtgg aggagagct gtcgcgctta 540
cagactgtca tccaggaact taagcaggag agggacgcgc agatggaagc tgatgaagcc 600
cgtgtgcggg ctgagcgcga ggctcgctcgt ctagaatccc agctcgaaca acttcgatcc 660
gaaagcgtct ctcaaacaga ggaactcact gccgctcgct tgaaggctga tagtgaagtc 720
acacgcctgc agaatttggg tgatcaactt cgtcaggagg ccaacaccag agctgaggaa 780
gctgtcgagg cccggggacc gagccgaaca acaagtactg cagctggagc agacgatgca 840
gcaggttcgc aacgatgctg a

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<210> 10173

<211> 975

<212> DNA

<213> *A.fumigatus*

<400> 10173

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aggctgatag tgaagtcaca cgctgcaga atttggttga tcaacttcgt caggaggcca 60
acaccagagc tgaggaagct gtgcaggccc ggggaccgag ccgaacaaca agtactgcag 120
ctggagcaga cgatgcagca ggctcgcaac gatgctgacg cacggatcaa ggaagccttt 180
gattctcgtg tcgctgcaga agagagtgcg actcggctgc aggctgaatt gagtgaatg 240
gtcagcgagg tctctcggct gcaagacgct atggaaaagc ttcgcgctcga catggagtcg 300
cgagtgcagc aagcagttga gggacgcgca aacgcagaac agagcgcgag ccgtctgcag 360
gccgaactga ctgaaatgga aggcgaagta gttagggtac aaacggaact gacaatggcc 420
aaagcggagc tcgatggtgc gtacggtagc agagcccaac gagcagcaga ggtggccgcc 480
aatccagcta tccaaaagga acttgatgac ttgaacacta gaaaccttga acttgccgag 540
gagctgcgag ccctcaaagc tggaaagcct ggtagcagcg atctgcagca gcgagtgcag 600
atgctggaaa gggaaactccg ggaaactatt gatgattatg aggtcatgac caaggccagc 660
atcgagttcg agaaagagcg tgagcggtag gaaggcatga ttgatggtct acgtgaccgc 720
tgcgagcaat tggagacgca gctcaacgag gagcgaatca attggatggg tatcaacaac 780
gcaatgggac gagatgggac gtatgagacc acctctacaa tggtcctgaa gaatgaattc 840
aaaaagatga tgcgtgacac tcgtatcgag aacatgaaga tcctcaaggc tagttacaat 900
gtcgtcgctt tccgttccca ttatgccaa gctaagctatc tgtgcaggcg gaacaagaag 960
aacgaaggcg actag

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<210> 10174

<211> 1434

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (835)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10174

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ttgacaatcc taaggctagg aactatcaac tccctccctc cggacctgat ctataaatcc 60
gccactcaga ccgcgttaga gcttgaccgc aatctgcgcc aacagggcgc ggatatcatc 120
gttgccgtca cccaccaacg agaaccgaac gactataaac tggcgagaa cctccccctt 180
ggcacgatag atctcatatt aggaggccat gatcatttct acgggcatgc ggtgatcaat 240
gacaccata tcttgcggtc cggcaccgac ttcaaacagc taagttatat cgaggcgtgg 300
cgcaagaccg atgggcccgg atgggacttc aacatcgctc gtgcgatat agttcgcacg 360
attcccgaag atcccgcac cgtagccctg gttagccggg tgacctcgag tcttaaggcg 420
aagctggaga agccggtcgg atacactgtc cgaccgctcg atggctcgtt tccaccgtt 480
cgtcagaagc agtccaacct aggcacttt gtctgcgata tcatgcgatt ctactatgcc 540
gccgactggc ctatgatggc tggtagggag accagatcta cccaccgggt 600
ctgctacggc tcaaggattt gttaaaactgc tcccccttc aagaaccggg ggtattgctc 660
cgtatcaagg gctccgcact tatggatgct ctgaaaaacg gggtgagcca gcttcccgtt 720
ctggaggacc gcttcccaca ggtatcgaa atctcttttag ttacaaccgc tccgaacccc 780

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ctggctcgcg	cctcactggg	gcaaggtagc	cggacacccg	atcgcggttcg	aacgnagcta	840
cgtcctcgcg	acaaggggct	acatggcccg	cggaaaggac	gggttcgcat	cgcttcttgt	900
gaagtctgcc	gaaggcgagg	tggaagagat	tgtcgacgaa	gagaacggcg	tgatgatcag	960
caccatcctc	cgccaatact	tcctcagcct	ccggatcttg	ggcaagtggc	agcgtggag	1020
caaaagtcta	tcccggcaact	gggccaaagt	ccaccagaat	ctccactgcg	agggctggct	1080
gaaacccgcc	tccgcgcaag	cctcccccg	ctccgaaaag	gcccagcc	ggcttttcgt	1140
gtcacgaccg	agtctcaaac	gcacaaagca	ctattactac	ggccggttcg	ccaatatcga	1200
aggcaacggg	actgcggggg	tccgcgaaga	cgaggaggag	ggcacaagca	tggaactcgga	1260
ctcggattcg	gacccggaga	tcttgacctc	cccgcagcca	accaccaact	acgtcaccct	1320
gcctgcccgc	tccgcgcggg	aagaagaacg	tcgactgcgg	cttgccgcgc	gggcgggtccg	1380
gaaatggatg	cgggccgctg	gattcgagcc	cacaacactc	aatacagccg	atga	1434

<210> 10175

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10175

ccgtgtccca	gagctggttc	cgctgaacct	gttggcggtg	tctccagatt	ccaatctgtg	60
atcaactact	atcgttctca	cccgcggttt	accggactcc	ccgatgtcct	caccttcttc	120
tccggcgatg	cctttaacct	cagtcttgag	agcacagtca	ccaaagggcg	acatatggta	180
ccgttcctga	acaaagcagg	gacggatgta	gcatgtgttg	gggtatgtga	acgttgcacg	240
aagacttga						249

<210> 10176

<211> 750

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (75)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10176

ttacaacccg	tccgaacccc	ctggctcgcg	cctcactggg	gcaaggtagc	cggacacccg	60
atcgcggttcg	aacgnagcta	cgtcctcgcg	acaaggggct	acatggcccg	cggaaaggac	120
gggttcgcat	cgcttcttgt	gaagtctgcc	gaaggcgagg	tggaagagat	tgtcgacgaa	180
gagaacggcg	tgatgatcag	caccatcctc	cgccaatact	tcctcagcct	ccggatcttg	240
ggcaagtggc	agcgtggag	caaaagtcta	tcccggcaact	gggccaaagt	ccaccagaat	300
ctccactgcg	agggctggct	gaaacccgcc	tccgcgcaag	cctcccccg	ctccgaaaag	360
gcccagcc	ggcttttcgt	gtcacgaccg	agtctcaaac	gcacaaagca	ctattactac	420
ggccggttcg	ccaatatcga	aggcaacggg	actgcggggg	tccgcgaaga	cgaggaggag	480
ggcacaagca	tggaactcgga	ctcggattcg	gacccggaga	tcttgacctc	cccgcagcca	540
accaccaact	acgtcaccct	gcctgcccgc	tccgcgcggg	aagaagaacg	tcgactgcgg	600
cttgccgcgc	gggcgggtccg	gaaatggatg	cgggccgctg	gattcgagcc	cacaacactc	660
aatacagccg	atgatgctca	ggggttcacg	ccggcggtga	cgccctggcat	tgcaccagg	720
ctggaggggc	gcatcgttat	cgagaagtag				750

<210> 10177

<211> 864

<212> DNA

<213> A.fumigatus

<400> 10177

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cctttttccca ctacacaatt agctaaagcc tcaaccctt cgaacccaag catcatggca 120
cccatcctca cctccagccc gactctccgt atcaccctcg aacccttcac caaagaggcc 180
ttcgcgccct tcggcaccgc catcagctgt cctcttcgc gcgatctctc ctccgcgct 240
cctctctcct cgctccctcc tcatgatecc gctccagtca ttgccaacca atcctccgcc 300
ctcaagtaca gcccatctc cccgctgctc gaccactacg cgcaatgtcc cagcactcag 360
ccctcttcgc cccgcatgag catgtttctg tgctttccac gcaaactgcg caccgccaaa 420
gcaacaggag gggagactaa tgtcttcgac gtccgcatcc tggagcgaca ccccttcacc 480
acgcagacat tcacaccgct cgacctatcc aaccaacccc gcgcaggcga tgcagaggaa 540
ccattctacc tggatcatgt ggcgcccacg ttgaagggcc agacggcaac ggcgactacg 600
ccttcgggag atactgtggc gatcagggat ccgcccgcact tgaacaatat gcgggcattt 660
gtggcgcggg gcgggcaggc ggtgacgtat ggggttgagg cgtggcatgc gccgatggtg 720
gtgctgggtc ctaggcgggt ggattttgtg gttgtgcagt tcgtcaatgg agtggatgat 780
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<210> 10178

<211> 720

<212> DNA

<213> *A.fumigatus*

<400> 10178

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aaaagcacgt tcttgcgcca aaatgcgtc atcaccattc tggcgagggt tggatcattt 180
gtgcccgcgg agtatgcgga gatcggcatt gtagatcaga tatttagtcg gattggggcg 240
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atattgaagc aggcgacagc gcgctccttt gttatcatgg atgaggttgg ccgcgggaca 360
acgccagaag acggaacagc cgctcagttt gcctgtctgc accatctgca ctaccgcaac 420
aagtgccgga cgttgttcgc aaccatttcc catgctttag cggacatgac ggatgacttt 480
gaggcactgg ggcgatactg taccgatgtg aaagagagcg catcggggtc gttctcattt 540
gtccatcgac tgcgcaaggg agtgaaccgt aactcccatg cgctgaaagt cggccagctc 600
gcaggcctgc cgaaggagac cctagagatg gccagtcgag tgcgagagtc gttgggtaac 660
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<210> 10179

<211> 816

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (704), (736), (811)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10179

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cgtgcatctt tttgggactt ttgctggagg tactttccca tcatctcaga aggtacttac 180
agaactgtgg tcgatgaatc agcacgcatt gacagtgtcc ccacctgggt tgagggtgtg 240
cgactcaact ttgccgagaa tatgttgttt tggcgggaga gatcaagctc ggggcatatc 300
cagattacaa cgaaaggcaa ggaggacaa aaaattgtc tgacagaaat caggagggtg 360
ggggcggaag cacctcgcca cattacatgg gccgagttga gacgcaagac agggcgaaatg 420
gtgcaagccc tcaaagcagc cggggtcgtc aaggagatc gagtcgccc tgtagcaagt 480
aacagcgctc atacactggt cgtcctcctg gcaacaacgg ctctcggagc gtggttctcg 540
tcaacgtcca ctgacacggg cgtcaaagg atcctcgatc gtctgctcca gttgaagcca 600
aagtacgtct atgttgacga ttttgcaatc tacaatggga aacggattga ccttcgaaca 660

```

aaaattcagg	acatcgccga	tgggctccgg	gaagtttccg	aatntgaaag	catcattgcg	720
tttgcacggt	tcccanggca	accagttgat	gttgaccacg	tgcccaaaac	ccacctgttg	780
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<210> 10180

<211> 963

<212> DNA

<213> A.fumigatus

<400> 10180

cacgcataatc	cttccactcc	gggctgtcga	ttcctctcgt	tcatcagaac	tgatattggc	60
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gagctcctac	tggcattctc	gactctgaaa	cagagagaga	ttttgactca	gccattgaac	180
cctcaataca	gtcagggttct	taccttaatt	cacgccctgt	tgaaagcccc	cggttatgct	240
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ttccaggaga	ttatcgctga	ttcagataat	catttttaact	ttgagcctgc	gaagcaaaat	360
ctcgcccgtg	ctgctctgga	ctgcttcgag	aagctcaagt	atccgactcc	agaggagctg	420
caagagtggg	gagatgatga	tgcgagtga	ttcagttcgt	ttcgtcgtga	cgcttgcgac	480
tttattctag	ccgtatatcc	cattctgggt	gtggatctag	ttcgagtgtt	tcaagaacgc	540
acaaggactt	ctctcgcaga	acagaattgg	agaacgtttg	agggcgcagt	cttctgtatt	600
gctcagcttt	cagaggccgt	ggatgacaac	cagcatgcgg	atgattgttt	gaacgcaatc	660
ttcttttgcg	acgagtttgc	tcatctctgc	aggggtgaag	gaatatcgat	ctcagacaaa	720
gctcgccaaa	cgctggtgga	tatgctagga	cgataccagt	cttacttcga	gcgtacccat	780
gctttactcc	cactggcgcg	tatccctctg	tttgcatctc	ttgacgtcgc	atcctgtgcg	840
ccaattgggt	tccaagtcta	tttcttcatt	ttgcagttcg	tccgtaaagt	ctttgacttt	900
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tga						963

<210> 10181

<211> 1287

<212> DNA

<213> A.fumigatus

<400> 10181

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gatgagggtg	aagcacaggt	tcttgagagg	atcttagatt	atctccgtca	acaggccata	180
gtggcaaggg	atgaggccgc	gcgtgacttg	tctgatgccg	cgtatagccg	ctctctgtta	240
gtgttacgct	gcacgcgaag	tattggtaaa	ggtctcagga	cagaaaccga	aatcgttttg	300
gagtctagcg	acagcagcaa	tggcgactcc	cactcactta	ccttttggaa	ttccgggtcg	360
ggagctaattg	ctcagagttt	gattattcaa	tccatgcagc	tcctaataag	cgaagttccc	420
agggatgcga	gcacgattga	ggctgcctgt	gatatactga	agggctggctt	cactgagaaa	480
gcaggtccat	atgtcttccc	gccgatgggt	actgtcagtt	tcgtcaaaaag	cattccctttg	540
ggcagcgcg	gtacagatat	ggtcatgggt	actgcctctg	cgtttctagc	gtctcacagt	600
gcacacccag	agcatatccg	agaggagacc	gtcgctttga	ttgtccacgt	gtacgaaagc	660
atatgccaga	tgcaggagat	gccaggattt	ttcgaccccg	aagttgcaaa	cagtggcatt	720
gattttcctca	ctcgccctagt	cccgaagtac	tattccgtcc	tcttcgcgct	tacttctgcg	780
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gaagggcaag	gccatgtttc	tccccaggag	aaagagcggg	tggtttcgtc	actcatagcc	1200
gctagaggtc	tcagagcgca	cacgaaccag	cttgcacgtg	gcttttggat	caaagtgcgt	1260
ggagcaggct	ttgactacat	tggataa				1287

<210> 10182

<211> 498

<212> DNA

<213> *A.fumigatus*

<400> 10182

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gacagaggct	tgtcttcgtc	caaagaaacg	ccagtaagct	ttccacata	ttcgaggctc	180
tcaatagaca	tcttggaat	ggggacagca	atcttgactc	cgttggtctt	atggaggctg	240
atcttcccat	cttgcaagcc	gataaattgc	gcttcgaccg	tgaaagactt	ggtacgatcc	300
gtccacagcc	ttgtcttgg	aggatccggt	tctgtaatct	cgtttagatg	cggatttcaa	360
agtattatgg	ggttaggcaa	agcgggggaa	aggacatact	cggcctactg	gcgctcttgc	420
tgtcacgttt	tttgtgctgc	tcgagattgt	cagtattctc	tcttaccagg	gtcactgtcg	480
tttgataggg	cagcttaa					498

<210> 10183

<211> 768

<212> DNA

<213> *A.fumigatus*

<400> 10183

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acgatcttta	tctcaccaga	aggggacggc	gacatgcaag	gatggactgc	agatagactc	120
acccattact	ctattgaagg	caagcatgtc	ttcctcgatc	tggttcggcc	cagcaaaagc	180
attgattttc	atgctggagc	caaggacacc	gctcgagaga	ttgtttccgc	gctgggtgaa	240
atztatgggg	cctaccgtgc	cgagggcctg	aaggaagtca	ttgcagccgg	cgcaggaggc	300
ggcggcaaga	agaagggtca	aattttgtat	gatttcatgg	cgcaggggaga	tgacgagggt	360
actgtggctg	ccggcgatga	ggttgtcatt	ctggacgaca	ccaaatccga	ggaatgggtg	420
atggtgcgac	gcatgaagaa	tggcagagag	ggtgtggtac	caagcagcta	catcgagatc	480
acgggctttg	tttccagtca	acccactggc	gtcgagtcgg	gcctatccac	ggtagaaagg	540
aatcgacttg	aagagacacg	cctggccaag	gaggcgatgc	ggaaatcgag	gactgactcg	600
atagattcgc	ggacctctga	ggtaagctgt	accgttaagc	tgccctatca	aacgacagtg	660
accctggtaa	gagagaatac	tgacaatctc	gagcagcaca	aaaaacgtga	cagcaagagc	720
gccagtaggc	cgagtatgtc	ctttcccccg	ctttgectaa	ccccataa		768

<210> 10184

<211> 504

<212> DNA

<213> *A.fumigatus*

<400> 10184

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caccccctgg	ctacaacca	agctccagtg	caaaaacaac	ttactggggc	aatggctgac	120
ctatccctac	tgcaagcacc	tctgcagcca	actcccgcac	aaccggcgcc	cgcacctaca	180
tctcaggcct	ctcaagctgc	gtcatcccc	gctgctatcc	agccacagcc	gactgcagtg	240
cctgctcccc	agatgcagcc	ccaacagaca	ggtgccactc	ctggcttttt	cacacaagtg	300
gcacaaatag	cacagcagcc	catgcaaacg	gggccccaga	cattcagccc	ccaacagaca	360
ggcttttcagc	aggcatcgag	gcagcgccca	caacccccctc	agaatatggc	tcagagctcg	420
ctcctccccg	cgcctccaca	gaggccgctt	tctgcgccac	agaagtcttc	accacggggc	480
tggaagggtac	gagggtgctc	aggt				504

<210> 10185

<211> 972

<212> DNA

<213> A.fumigatus

<400> 10185

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ttagttgggtg	tcaatggcga	ttttgggtttc	gcccctgcaa	actacatcga	ggttcaggag	180
ggtgatactt	ccaccgccc	gccttctctc	ccttctcctg	ctgctgtcga	gccgtccgct	240
ccggcccttc	cgcaacgccc	ggtcgaggta	ccgacacagg	aaccggtcgc	gcccgcattc	300
actagctctc	cgattgacac	gatacagaac	ccagcggcag	cagcaatagc	ggatatcatt	360
cataaacagc	acgcattcacc	cgtagaatcc	gaaccctcca	gggatatccc	gccgccacaa	420
acccaacgac	cgtctcagcg	accagaagac	agctatcaga	gggagccctc	gccgccgcct	480
ccaacgttac	cgcagcgacc	tccgtcgcaa	cagatctctc	ctccagtga	ccggtactct	540
ccgccagaac	cctctcctcc	tctacgccct	cagcatgcca	cggtgaggga	gcacgatggc	600
cagggccatg	tgcgggagtc	tccgccatat	aatcgaatcg	gacagtcgac	acctcgttcc	660
ccttccggct	atcatctgta	caatatcaat	gaaatgggtg	aagttatggg	gcaagaggga	720
agaagatgcc	aacgacattg	ggcattaaca	tgcgcactgg	aacgatcttt	atctcaccag	780
aaggggacgg	cgacatgcaa	ggatggactg	cagatagact	caccattac	tctattgaag	840
gcaagcatgt	cttcctcgat	ctgggttcggc	ccagcaaaag	cattgatttt	catgctggag	900
ccaaggacac	cgctcgagag	attgtttccg	cgctgggtga	aatttatggg	gcctaccgtg	960
ccgagggcct	ga					972

<210> 10186

<211> 921

<212> DNA

<213> A.fumigatus

<400> 10186

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ctccataaga	ccaacggagt	caagattgct	gtccccattc	ccaagatgtc	tattgaggac	180
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gttgggccc	agtacgattg	gtttgatttc	ttcctaaaag	ccggagttgg	accacatcaa	360
tgcgagcgg	atgccagaa	ctttatcaag	gactccatgg	atgaagcgat	tctaccggac	420
attacctctg	agaacctgcg	tacccttgga	ttgaaggagg	gtgacattct	acgggttatg	480
cggcatctgg	acaatatggt	cggcagaact	gggtccaagt	ccaagctgcg	caatgtcagc	540
ttcggtggag	aagaggtcat	cagcaatggg	gaagctggct	ctoctggcgg	tcttttctcc	600
ggccctggag	gggttctacg	caacaacacc	cgcaagggca	ggccggcacc	cgcagtcacg	660
accggtgatg	tcgttgatcc	gaaggccttc	gaacagaagg	aggatgcacc	caaccgcag	720
gaacgcacgg	gaactccacc	cgttctgct	gcagttgaga	aaccggtaca	acgtggcttc	780
gatgacgatg	cttgggaggt	gaagcaacct	aaacagcccg	cgtcttcggc	gccgccctct	840
tcatcgccac	caccggccac	agcaccctct	ggctacaacc	caagctccag	tgcaaaaaca	900
acttactggg	gcaatggctg	a				921

<210> 10187

<211> 807

<212> DNA

<213> A.fumigatus

<400> 10187

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gaactgctag	atatgggctg	ctacgaagtc	agcctaggcg	acacacttgg	ggtcggcaac	180
ccaggcaaag	tccgcagcct	gctccactac	ctagccgacc	accatatccc	acttgacaaa	240
atggcggttc	acttccacga	tacctatggc	caggcggttg	caaagtctctg	ggaagcgtag	300
aactgcccgc	tgccgctggt	cgacagcagt	gtgggtggctc	tgggcggatg	cccctatgcg	360

ccaggggccca	aagggaaact	cgccacggag	gatctggtgt	acatgtttga	aacagcgggc	420
atcaacacgg	gcgttgacct	gcggaagctg	ggtgagacgg	gagtatggat	atctagacgg	480
ttgtccaaga	ctaataccag	ccgtgctggg	accgcgctgg	cggcgaagta	tggccttggt	540
cccttcaaac	ggtcgtcatc	gtcccgaaca	accaccaaga	accagatatt	ctggactgtg	600
gtgaaagatc	ccaacggttc	gttagcctac	cgctccggcg	tgaacgtcaa	gccccatcatc	660
gaccgactga	aaaggcgcaa	cgtattttacc	tctctggtct	cgtcgaagac	accccgcccg	720
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<210> 10188

<211> 285

<212> DNA

<213> *A. fumigatus*

<400> 10188

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ctggatattg	cgatcgagca	tggcgccaag	gaggtcgcgg	tgtttgtgag	tgcgacggag	180
ggtttcagta	aagccaatat	caactgcacg	gtgcaacagg	gactagagcg	agcaaaagct	240
gtagcgaaga	aagcgactga	gtgtgggatt	accgtccgag	ggtag		285

<210> 10189

<211> 555

<212> DNA

<213> *A. fumigatus*

<400> 10189

actgactcga	tactcgatgt	tagtttgcaa	acttccattc	ccgatatcta	tgccattggc	60
gaatgtgcta	gttgggagaa	tcagacgttc	ggaataatag	cacctgggat	tgagatggcc	120
gacgtgcttt	ccttcaacct	gacaaatccc	gataaggagc	caaagagctt	caagcgaccc	180
gatctgagca	caaagctcaa	gctccttggg	gttgacgttg	ccagcttttg	tgacttcttt	240
gcccacagag	atgggcctaa	attccttccg	gggcaacggc	catcgattgt	cgatggctct	300
gtggggaacg	ctgatggtga	caaagagcca	agtgtcaagg	cattgacata	caaggacccc	360
ttcgccggaa	tctacaagaa	gtacttggtc	actatggatg	ggaagtactt	gcttggaggt	420
atgatgattg	gcgacaccaa	ggactacgtg	aagttgaacc	agatgggtcaa	gagccaaaag	480
cctctcgaag	tacctcccag	tcagtttatt	cttggagcgc	agaaggaagg	cgaagagaat	540
gcgatgact	tgtaa					555

<210> 10190

<211> 183

<212> DNA

<213> *A. fumigatus*

<400> 10190

ccaccggtac	tatcaaatag	tgagaaaatc	gtcaaacaag	atgcagagag	acgcaagtac	60
gacattgttg	tgattgggga	ggagcctcac	attgcctata	atcgcgctcg	tctctcctcg	120
ttttttgaac	atcgcaagat	cgaggatttg	tacctcaatc	ccaaggaatg	ggtaagtact	180
tga						183

<210> 10191

<211> 315

<212> DNA

<213> *A. fumigatus*

<400> 10191

gacttcgtca	cgatgccgtt	gattgataac	tcaagaagca	acgatgctgt	ccagagcagt	60
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atctgcaacg gtatatccca tacgacaatc atcgagtctg tcagagaccc agattatcgt 120
cacaatgacc cgaaccgacg gcagaagatt gtaatcgctg gggtgggcat ggttgcgac 180
tcattcatgt atgttgccag cttggtggat aaggaccgat ctcgagaggg gttgtctact 240
aaccaccggt actatcaa atgtgagaaaa tcgtcaaaca agatgcagag agacgcaagt 300
acgacattgt tgtga 315

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<210> 10192
 <211> 555
 <212> DNA
 <213> A.fumigatus

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<400> 10192
tacgggtcat tcaaggaccg gtcattcgat tatcacctca acaccaaggt cactgacatt 60
ttccctgaac gcaagaccgt caggacgtca actggcgacg ttatccccta tgatattcta 120
gtcctcgcta caggtcaga tgcagtactc cccacacaca ctctggcta taatgccaag 180
ggatcttcg tttacagaac aattcaagac ctggaacgtc tcatcgagtt cgcttcgaaa 240
cacaagggcg agaccgcggt cactgtagga ggaggcttgc tcggcttgga agcagccaaa 300
gcaatgacag atctcgagga tttcggaaga gtcaaaactca ttgaccgcaa caagtgggtt 360
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ggcctggacg tattacacga gaagcgggtc gcaaagatca aaacggatga cgacaacaac 480
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gtaagtcgct cttga 555

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<210> 10193
 <211> 297
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (34)
 <223> Identity of nucleotide sequences at the above locations are unknown.

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<400> 10193
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gtcaagagtg gtacatgcaa gactattggc gagattaaat cgtgcacgaa agccgggagt 180
ggttgtgggg gctgtatgcc cttggtgcag tcgatcttca acaaggccat gcgggacatg 240
ggccaagaag tatccaacca tcgtaagtct tcaccaccgg gctggaaggt aacgcgc 297

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<210> 10194
 <211> 201
 <212> DNA
 <213> A.fumigatus

```

<400> 10194
tccctcgcat ctctcgagcc cagacattcg atgccctcag gtgagttacc acggggctta 60
cgagcagggt ggatcaagaa aatggccagt gctaacggtg aggcaagctc tatggccaat 120
attgccgggt acaaggctgt tttagaagca tcgaaccact ttggccgttt cttgaccggg 180
caagttaccg ctgctgggta a 201

```

<210> 10195
 <211> 522
 <212> DNA
 <213> A.fumigatus

<400> 10195

```

gttgagctc aaccctctcc agatgtcagt aaactcatgc tgaccatttc aggggtatacg 60
gatttcccgt caccctacc gacgcaagca tccaccctat attcaaaca tatcgccaag 120
ttccttctat ccatggcacc gcaagagaaa tcctttggta ttgacctgtc ggacgaggtt 180
gtgcgcggct ctatcgttac cctcaacggc gcgatactgc cccagctcc acgaccagca 240
ccaccgccac caaagccggc agctgcggcg actccagcca aagaacaagc cgagttatca 300
ctcacaccct ggcagaaggc tactcgcgat gttgcaactg ttacagctgg tatggggact 360
gcacttgctc tgggaaaagc cactgggtccc atattcatga gcaacatgat gacctttggg 420
cttgctggtc tcgtcggcta tcgggctgta tgggggtgtg ctctgtctct ccattctcct 480
ttgatgagtg tgacgaatgc aatctcaggt gagcaggcat ga 522

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<210> 10196

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10196

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agcacttacc gtcctctagg cccgactgac ccgcccgaat atccatggct ttacgccata 60
cccgtgttta tcttcagtgg cggattcata gcagcagcta gtactggaat ggctggctta 120
gtgagcgctg gctatctcgt tagcactctt ctctgcatca gtaagtggaa ctgtggcata 180
ctttga 186

```

<210> 10197

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10197

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tcggtagt atgcctgtgt cgccggactc gtttatggtc actacatgat tttggctcac 60
aattttacag gagcattaat tgggcgccgc attaccccaa ctagcttacc tcagactgtg 120
gcgcccttc attcagtcgt cggtgtggct gctgtcctca cgagtattga aagcgtgatg 180
gccgatattg gtgacatttc aaccttgc atgggtgactg cgtatcttgg tgttctcatt 240
ggtattagct cagattcagg tgcttga 267

```

<210> 10198

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10198

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gcccgcgct taggcgccat tgtccgtggc tttgatacgc gttctgctgc ccgtgagcag 60
gttcaatctc taggtgccga attcatcgag gtcgacattc aggaagaagg cgctggtcag 120
ggcggatacg cgaaggaaat gtccaaggaa ttctatgacg cagaaatgaa gctcttcatt 180
gaacaagccc gtgacgttga tatcattatc actacagcgc tgattccagg caaggcggca 240
ccaaaactca ttaccaagga ggtctga 267

```

<210> 10199

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10199

```

catcctcag catggactct aggcattgtc ggaatcggtg gtcttttcat catgggtgga 60
ggctatacgc ctagcacgat ccctgaggct ctccgagcgg tttctgtctt gttggcatcg 120
atgaacgtcg ccggcggtt tggtattacc aagcgcagtc tagacatgtt caagcgtcag 180
tctttcacc cgattgaaga tgaagcactt accgtcctct ag 222

```

<210> 10200

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10200

cattatgtag	ctgtcggttat	cactgttctc	aatgcatatt	cgggattcgc	cctggtcgcc	60
gagggattta	tgcttaacaa	tccactactc	acgagcgttg	gatcattgat	tggggtcagc	120
ggatctattt	tgtcgtacat	catgggttcgt	gtctttatgt	gcctattcgc	ggatcatgct	180
gactga						186

<210> 10201

<211> 465

<212> DNA

<213> A.fumigatus

<400> 10201

agaccaggta	catctgcccc	gtcagatgta	cctgttggtcc	cgtactcctc	gctgactgtt	60
ggcgtcccca	gcgagacatg	gcccacagag	cgtcgcgtgg	ctctcacacc	gcagaatgtg	120
acgttgctac	tgaagaaagg	cttctcgcgc	gtactagtcg	agcgcggtgc	cggcgaacaa	180
gccagatcc	atgaccaggc	ctacgaacaa	gtcggagcta	ccctggtcga	ccgagctgct	240
gtatgggtccg	aaagtaatat	cgtcctgaaa	gtccgtagtc	cgcgacagga	gggccccata	300
gatgaagtcg	aagccctccg	acaggggaagc	accctgattt	cgttcttgta	tcctgcccag	360
aataagcttt	tggtagaggc	tattgcgtca	cgcggaagtca	cggccttcgc	catggatatg	420
atccctcgca	tctctcgagc	ccagacattc	gatgccctca	ggtga		465

<210> 10202

<211> 312

<212> DNA

<213> A.fumigatus

<400> 10202

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cgcatgtcgt	caaaacctac	gattcttcca	ggcgcgcatg	ttattaattc	gacgttgctt	120
gggacaaaca	tggcgacaat	gggagctttt	gtatcaatgg	gccctgcgtc	tccgctcatt	180
gctgctactt	gcttgggtgc	aaataccatg	ttaagtttcc	tgaaggcta	tacgaccact	240
gctgctattg	gaggagctga	tatgcgtatg	tccctgcgcc	tcacactgga	gaaggctcact	300
aacattatgt	ag					312

<210> 10203

<211> 429

<212> DNA

<213> A.fumigatus

<400> 10203

ccgacgagac	cagcaagccc	aaagggtcatc	atgttgctca	tgaatatggg	accagtggct	60
tttcccagag	caagtgcagt	ccccatacca	gctgtaacag	ttgcaacatc	gcgagtagcc	120
ttctgccagg	gtgtgagtga	taactcggct	tgttcttttg	ctggagtcgc	cgcagctgcc	180
ggctttggtg	gcggtggtgc	tggtcgtgga	gctgggggca	gtatcgcgcc	ggttgagggtg	240
acgatagagc	cgcgacaaac	ctcgtccgac	aggtcaatac	caaaggattt	ctcttgoggt	300
gccatggata	gaaggaactt	ggcgatattg	tttgaatata	gggtggatgc	ttgcgtcggt	360
aggcgtgacg	ggaaatccgt	ataccctgaa	atggtcagca	tgagtttact	gacatctgga	420
gaggggtga						429

<210> 10204

<211> 234
 <212> DNA
 <213> A.fumigatus

<400> 10204
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 tccctgtcgg agggcttcga cttcatctat ggggccctcc tgtcgcggac tacggacttt 120
 caggacgata ttactttcgg accatacagc agctcggctg accagggtag ctccgacttg 180
 ttcgtaggcc tggatcatgga tctgggcttg ttcgccggca ccgcgctcga ctac 234

<210> 10205
 <211> 1743
 <212> DNA
 <213> A.fumigatus

<400> 10205
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 ctccaggggg agcgctaca agtaccttcg acggcggtt ttgcaagata ccactcttct 120
 ctacaagtc atattgctg tcttcagtct gggagtctcc tgtctttgat tgaaatggat 180
 ccaggacatc cgccaactaa tggaaaacgga tgcttcagg acgcctcggg gtcctcctac 240
 caggctgaga ggacgatcaa cataagcgcg ttgtcccatg aagcaatctg tgaccgaatc 300
 cgtcaatcac tagtggaagt aagcagcggc ctgcgcggg acaaaatcca tttcacctcc 360
 acctgtggcc agcagctgtc cgctgtgcgc agtcgagtag aggatgcatt gattgacgca 420
 ctgcgaagcc cgtaccgatg ggcggttcgt ccataattggg tccaagatca cgagccagga 480
 ctcatcttgt tgtccactcg ccaatataac acgtacgagt catccttcaa cggccttctc 540
 cgcgcggtat cggacatgga gaacttagta cctactgcgg acacgttgta ccgactcgca 600
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 aaaaagctga tgtccatctc ccacagcaac agccttttgc tggccactct cgctgcggag 720
 atcttgacgt accaaggcat accaacgttg ccgatgaaag cgatcatgca actgcaacaa 780
 cgcgcgggca gttcggctga cctcaatggg taccocaggc atgcccgtgc gaccttcgaa 840
 aagcgcatca aggtggatga ctacaatttc ttcgagctag tccaccccg cttacttcgc 900
 caaacctgtg ctctggcgca actggtgacc aaatttatca agaatecttg tctcggggc 960
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 cttcagcgca gtgcacagt gctccgacgg ggaagctatt ggttcattgc agacgagatg 1260
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 tacatggttc cctgtgttt tccgtggcct gcgggggatg tcatcccg aacacgcgcg 1380
 gagecgagaat tcgtggacga tttcaacaat accgtcccgc tggccaagtt ccttgcgat 1440
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 catggattca caaccaaggt ttccgacca caccttgctg tctggcgact gcagtggctc 1560
 gagttgcaag ctctcgtagc cgggctcgat tacgaagtgg agcaaaaaac gtatccgtgg 1620
 cacttcatca agatggcgga ggggtgcggg ctcaaatgtg ttgctcatca gcgagtctat 1680
 ggcactgtgg gattaaccga tgactgtgct ggaacacatg ttatggcttt ccagaaggca 1740
 tga 1743

<210> 10206
 <211> 723
 <212> DNA
 <213> A.fumigatus

<400> 10206
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 gacgctcaga tcatctccta cctgatgatc aacatgattg ccggcgcgga caccaccgcc 120
 atcaccctca acggggcgct gtacttttgcg ctcaagaacc ccgccgtgtg gaaacgactg 180

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caggaggaga ctgcatcgct ccattgcgag ggatcaccca tcgtaccatt caaaacggcg      240
caggacctgc cctacctcaa cgcggtcatc cgcgaggcca tgcgcatgca ccccggcgtc      300
gccatgtgtc tggagcgcta cgtgccggac gaaggcctca cccttcccgg cggccagttc      360
atccccggag gatgcatcgt cggcatgaac ccctacgtgc tcgcccgaac ccagtcggtc      420
tggggcgagg acgccgacgt cttccggccc gagcgctggc ttcgcgacct caccgcgag      480
accgaggagg cgtaccagga gcgtctcaag cggatgaacg cggcggtatc gacctttggt      540
gcggggagcc ggggtgtgcat tggacggaac ttggggatga tggaggtgta caaggtcgtg      600
gccatgctgg tctcgaggta tgagattgag ttagtggacc cgaaagggga atggaagacg      660
cataatagct tttttgttcg tcaggagggg attgaagtgc ggcttcgccg gcggagcact      720
tag                                                                 723

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<210> 10207

<211> 603

<212> DNA

<213> A.fumigatus

<400> 10207

```

gttcatcgaa gcaaaagcca cgttccccca tgtggctcgac gacgctcaga tcatctccta      60
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gtactttgcg ctcaagaacc cgcgcgtgtg gaaacgactg caggaggaga ctgcatcgct      180
ccattgcgag ggatcaccca tcgtaccatt caaaacggcg caggacctgc cctacctcaa      240
cgcggtcatc cgcgaggcca tgcgcatgca ccccggcgtc gccatgtgtc tggagcgcta      300
cgtgccggac gaaggcctca cccttcccgg cggccagttc atccccggag gatgcatcgt      360
cggcatgaac ccctacgtgc tcgcccgaac ccagtcggtc tggggcgagg acgccgacgt      420
cttccggccc gagcgctggc ttcgcgacct caccgcgag accgaggagg cgtaccagga      480
gcgtctcaag cggatgaacg cggcggtatc gacctttggt gcggggagcc ggggtgtgcat      540
tggacggaac ttggggatga tggaggtgta caaggtcgtg gccatgctgg tctcgaggta      600
tga                                                                 603

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<210> 10208

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10208

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caggccgctg gccttctcgt tgatttcctg ctccatgtac tagctatctt gttcgcaacc      60
actttttttc tcttcggcgc ctcttcttct caatctcctt ctaatatctc ccgctctgct      120
gatactcttc tctacgaaac gtccctggac ccccgctcaa gcgaaacctc ctcgccagtc      180
cgctag                                                                 186

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<210> 10209

<211> 273

<212> DNA

<213> A.fumigatus

<400> 10209

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atggatccag attataaagc tcgcaaagag gcctttgtct caggctcttg aggaggaagc      60
atcctggaaa tcaacgcctg caccttggtt gcttcggttc gtgttactat cttattgtgg      120
ctacttcgcc tacattgttt ctcgactaac cgagtctctt tgcgatcaat caggatatccg      180
tttttctgtg gtcaattcta caatctcgcc tatccttttt cacaacctaa caggccgctg      240
gccttctcgt tgatttcctg ctccatgtac tag                                                                 273

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<210> 10210

<211> 1173

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (848)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10210

ctatcttggt	cgcaaccact	ttttttctct	tgggcgcctc	ttctttctcaa	tctccttcta	60
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aaacctcctc	gccagtcgcg	tagagctggg	aaagatgact	cgaaacatgc	gacagccttg	180
ccagagtctc	taccattcca	tccatttctc	acgacatata	gcgcccgcct	gatgggtatc	240
acgtgcacgc	ctatcttggt	tgtggatttt	cgcatttttc	ctcggcgatt	cgccaaggta	300
gaaaactggg	gtacatcact	catggatctg	ggcgttggat	cgtttgtctt	ttcggggcgga	360
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gccaaagaggt	tgattgcgtc	gacgcgacac	tctattcctc	tgctcgtcct	cggcctgatt	480
cggctataca	gcgtcaaagg	cttggactat	gcggagcacg	tcaccgagta	cggcgtacat	540
tggaaacttct	tctttacatt	gggtcttttg	cctccgttcg	tggaggtctt	cgacgccttg	600
gctacgatca	ttccgtcata	cgaggttctc	tccgtgggga	tcgccgtctt	gtatcaagtt	660
gccctagagt	caacagactt	gaaaagctac	atcctcgtct	cccctcgtgg	gccaaagtta	720
ctgtccaaga	atcgtgaagg	cgtctttctc	ttctcagggt	atctcgcgat	ttttcttgct	780
ggtcgtgcga	tccgcatctg	gataatccct	cgcggaactt	ctttctcaag	aagcccagaa	840
caggccanga	gacgggtcct	gatcagcctt	ggcgtgcaag	cgttagtgtg	gaccactctt	900
tttgtgttga	actccactta	tgcgatggga	tacggagcta	atatccctgt	ctcccgccgc	960
ctcgctaaca	tgccctatgt	cctttgggtt	tggcggttca	acaccgcgca	actgtttgtg	1020
ttctgcctga	tcgaaacact	ctgctttctt	gcagttcatc	cgacaacgac	tcaagagagc	1080
gaatctgagc	gagtcgattt	tgctacgacc	cgaatcttgt	cggccttcaa	taaaaacagt	1140
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<210> 10211

<211> 1824

<212> DNA

<213> A.fumigatus

<400> 10211

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gttaaggccg	acgaggtcga	tcaaacagga	accgacatca	caactgtgtc	agatgatcag	120
ttgatggaag	aggtcgcaca	aggcctgcga	caggagcaag	cttccaaagc	gacgtctgct	180
gggccaatag	aatcgcaaga	gcaaagacct	aaccatcgca	ggcgtccaga	actgcgtcgg	240
aatgtatcag	ctcccccgcc	tcctttacag	cctccgcctc	ctgccccggt	gcagcaactg	300
ccggacagac	cgccagactc	gctgagtcgt	gctcaattaa	aacaaatagt	tcaggatatg	360
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ttgactggta	tctggggtag	tactgctgga	aaagcagtc	ctgactaccc	agaagatctg	720
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cccctggatt	atcacctgtt	cgggcaagag	atcacatcaa	aataccctgc	ttacaacccc	1320

ccactgcctg	tcgttcctct	ggagcttgaa	aacaactcta	ttctccctcc	tcttcctcag	1380
catcctagcc	gcaccagttc	atctaccggt	ctctttttccg	gagtaggtcc	ctctgtggct	1440
ggtggaaacg	gttctatcct	ccatcagttc	gtccacatcg	ctacaccagc	accatcacct	1500
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cagaactttc	cttttatgta	tcctcctttg	gatgactcga	gcaatgatat	cggcggaaaa	1620
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gcgtcaatca	ttgaagccgg	aaagctcttc	tccaccacag	ttaagatgac	tagagccatg	1740
cgccagctgt	gggaagaaa	ggagcgtttc	atgaaatatg	accgcggttg	gtatcttgac	1800
gagaactcac	ctagctcaga	ctag				1824

<210> 10212

<211> 1128

<212> DNA

<213> A.fumigatus

<400> 10212

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gctaacggta	ccaacagcgc	ccttttgaag	cctaaggatg	gatccagcgg	taatagccta	120
gaggggctgc	tcttggtctg	caacaagaag	ctgacagatg	aacttaccgt	tcttcgtgtg	180
tcccatcgtg	acctccaaga	tcagcttgaa	cttctgcgtg	aggacctctc	aaataccaaa	240
gaggaactgg	agaaatccaa	gcagttatcc	acaacccttg	agaatgatct	gctccgtgta	300
cagcaggagg	cggcgaacgc	tttcccatcg	tctgcaatgt	ctgttgctgg	tacctacagc	360
tcaagggtacc	cccactcaac	caggaggggg	gcagcgtcgc	ccacctcgtc	cataatttcg	420
ggttttgacc	aggcggcaac	ctcttccaat	gcaatggacg	ctatacgcgc	tggggagcct	480
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aagaatgcgg	agctggaaga	ggagctgtcg	aagatgtaca	gcacgggtcaa	gtccttgagg	600
caagaggttg	cttccctcca	gaaggacaac	ccttagccttt	acgagaaaaac	gcgatacgtc	660
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aattcctccg	tccatgtctc	cgcggacacg	ccttctggcc	tttcattaga	ccggtatcag	780
tctgcctacg	aagctcggct	atcaccatct	gctgctttcc	gaggccgtga	gtcgggtcgg	840
gcgtacaagc	gcattgagctt	gcccgaaggg	atcgtgtttt	ccatcacacg	aatcatcttg	900
gctaatacgaa	cgagccgaaa	cctctttgcg	ggatattgct	ttgccctcca	tgtcttactg	960
tttctagcat	tgtatatgat	gagtaccatg	gaaatagaaa	aacacagtag	cgccagctcg	1020
ggagctgctg	ccgctgctgc	aatggctggt	ggaggcgggt	ctgggagtag	cagtggccag	1080
ctacatgggtg	atgattggca	gcaggagggt	ttcaaccatg	cagcttag		1128

<210> 10213

<211> 942

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10213

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gaagcctcgg	tcgactccct	tgtgctctcc	gagcaaaccg	tccccaatt	gacgtccgag	120
agagaccaat	tgcaaagatc	tgtgagtcgt	cttacaaccc	aattagagga	tacggaaaag	180
cgactacagc	aggaacgagc	tgcgagaaga	aatttgaggg	acagccagga	aacaaagatc	240
aaagagatcg	agtcgtcctg	gtccgccgtg	ctagcggaaa	agtcgaacaa	ctgggccgcc	300
aaggagaaga	gcttgaggga	gaagggtgaa	aatcaagacc	gcttgctgaa	ggaaatcaag	360
gcaagttacg	aagtatccca	aagactgggt	caggagaacg	atggcagtg	tgctcccaa	420
catggggcga	ctgctgcaga	gctagaattg	gtgtctgccg	atttggaana	gacaaccttg	480
cgactagccg	aggtggaggc	acgaaacgag	caactcaggc	ttgagctggc	tcaagccggt	540

tcacattcgc	aggctacaca	gccgacctcg	gttgaagacg	atccccgcta	tcttcgcctt	600
cagtcagaaa	actcgtccct	gttgcgcaaa	ctggatgctg	cgcgattcga	tcgggagtc	660
gaacgtcact	catgggagtc	gaagctctca	caactggaaa	gacagagctc	gaaggtggct	720
gcggagaggg	acgagctcgc	gtcgcggttg	gaaaagaccg	ctgactatga	agatatccgc	780
cgcgagctgg	agatgatcaa	ggtaggatat	ttcctatggc	aagacagccg	tacttgcttg	840
ctgattcttc	gtagtctatt	gaattctctg	cggcgatgg	ggacgatgat	gaggttggag	900
attccacagg	taatgctaac	ggtaccaaca	gcgccctttt	ga		942

<210> 10214

<211> 240

<212> DNA

<213> A.fumigatus

<400> 10214

gcaatccaac	attctgagac	aaattctgta	ttcaattttg	actctttgtt	agtgaaagaa	60
gtttactacc	ctaagtataa	caactcgagg	gttttctacg	aagacttccg	tacccccagt	120
ggtgggtatg	gtggtctgtt	ctccatcact	tttctactctg	acgctgaagc	cattgcattt	180
ttcgcgcatc	tcgaagttct	caaaggccct	agccttggaa	caaatttcac	gctcaggtaa	240

<210> 10215

<211> 477

<212> DNA

<213> A.fumigatus

<400> 10215

aaagctggcg	agagatttct	tgcgcttttt	accgaatttc	cgggaaaccc	attactcaaa	60
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gatgagacag	tgggcaactt	cttgaacatt	aatgtgcttc	cttatgcaga	cattgtcgtc	180
agcagtctga	caaaggtctt	cagtggagat	agcaatgtta	tgggaggaag	tgctgttatc	240
aatccacatg	ggcgctatta	tcaggaactg	cgagccactt	tcagccgtga	ctacgaggat	300
aatctttggg	cggaagacgc	tgttttcctg	gagaggaata	gccgtgactt	tgtgtctcga	360
attgaaaaga	taaacaaaac	caccgaagac	ataacggcct	tgctaaagga	gtccccagtc	420
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<210> 10216

<211> 264

<212> DNA

<213> A.fumigatus

<400> 10216

accagttcgc	catatacgtc	actcgcacat	tacaatgagc	tcgactgggt	aagtattgcg	60
ttgttcgccc	caattcttct	tctgtggctc	gatgtttcgc	tcccttctcc	tggatcagag	120
cccccgctc	actgccatt	gcaggctgct	tcatttggtg	ttgagtcgaa	tttgggtgaga	180
ataagcgtgg	gtttggagga	tgtatcggat	ctccgcgacc	aagtccagcg	agccctcgcg	240
gcagcagctg	aagcgaagga	ttaa				264

<210> 10217

<211> 1461

<212> DNA

<213> A.fumigatus

<400> 10217

ttgcactgct	ccttccagcc	cgtgggtgaa	gaccaggatc	ctattggccg	actgctgaat	60
gctgcgcaaa	tgaagcactt	ggcgaaaatg	accgatgaag	ctgttgccac	cgagatgag	120
gcctgggaaa	cgtatcgtgg	acaaaaggag	gattatcgag	accggtatac	gctgcattca	180
ttcttctcgg	tcttcttgga	gctgcaccag	acacaccgtg	tccaagatgt	gttggacttg	240

gccgcttctc	atcctcagga	gtttcagttt	accgaacgaa	tcggtttggg	cgagttcctc	300
gcgtcaacac	tgacttggac	acgccgtctg	gtatataggg	tccttcacca	tacgcggacc	360
cggggcgacg	ggaagcttat	tgaccttggt	gcctcggctg	tggccagagc	cgaggcctcg	420
gagggggaat	taacagatga	cctggcggcg	gcgaaatact	tcacgcgcatc	actgatggtc	480
gaaaacggcc	gattcagcgc	aggaatccag	gcttgggtacc	agcttgccgc	cctcgaccac	540
cctcgcgggg	atagggaaaag	ggctcaggcg	cggtcgctga	gtcgcttagc	agccgtgtgc	600
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gaatacagtg	atatctgtct	ggatcatctg	agttggctgc	ggtatcacgg	tgatctcgca	720
aacgcccggg	cagctctccg	cggacgggtg	aagaaaagta	tcgagctggt	gtcggacgac	780
gacccctcca	acgacgatga	tgcccttcctg	agcctcttcc	agacacttct	gacggcggcg	840
gacagtgcg	aggatctgag	cggagccttg	tactgtacca	aggcctggta	caaggactgt	900
ctgcgggaag	cgaagagcga	ccatcgaatg	tccgaagggtg	gcgtcgccga	atctctgaac	960
caagtgcacc	tggtcgctga	cgagaccag	gtaccggatg	atgggggtctc	tgaaacgccg	1020
atctcgatca	cgatcgacta	tttcgccgag	tggtcgaact	gcaagtgtga	gatgaaatcc	1080
atctgccact	ggtaactttt	cctttgttgc	ccgttcacga	tgctgtgtca	atgggtgttac	1140
cacgagatcc	agtcgcctc	atcccaggat	ggtacgtccc	atcccagggg	tatctgcgac	1200
cctcagcacg	agttctatta	taccggcggg	ccgtctcggg	ccgttgagcg	tgtgcccgaa	1260
gggatgacgg	tccttgacgg	tcttgatgga	acgaagcggg	cggcatggat	cgaggaatgg	1320
aagcatcagc	tgtccgagaa	gtgggagacg	gccgactttg	cctttgcggg	aggactgtcg	1380
gcctgggtga	tgcgcatatt	gccggagccc	cagcgatctc	ggtgggctcg	actctttgtg	1440
cgaccactcg	gtagtgttta	a				1461

<210> 10218

<211> 657

<212> DNA

<213> A.fumigatus

<400> 10218

ttcggacgcg	cccgaaccgt	ggaaaccaat	gtgaacctgg	tggtgttatg	gaacgcatcg	60
tcattcaatt	gcttggccga	gctagatgga	atgaatgggg	gtgaagagaa	cagtgggggt	120
gtatttgtta	tcggcgccac	caatcgctcc	gacctactgg	atacggccct	tttacgtcct	180
gggcggttctg	acaagatgct	ctaccttggt	gtttcggata	cacatgagaa	acaagctact	240
atccttgagg	ccttgacgag	aaagttcaca	ctcgaccccg	aagtgtcgct	ccgccgagtc	300
gccgaccggc	ttccccttac	ttatacgggt	gcgatctgt	atgctctgtg	ctccgacgcc	360
atgctgaagg	ctatcacgcg	caaggcgacg	gcggtaggac	aaaaaatcaa	gcagcttccg	420
ggagggccgg	tcagtactgc	ctacttcttt	gacctctcg	cgacgccgga	cgacgtggct	480
gtcatggtga	cggagaaga	tttcaaccgg	gctcagagcg	agatggttcc	cagcgtcagg	540
tacgtcccta	gtagtcaata	ccctgagaag	attattgaaa	gacatttgct	aagatccctg	600
cagtgcacaag	gaactggaac	atttcgagcg	gattcggcgg	caattcgaat	ccgatga	657

<210> 10219

<211> 1944

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (913), (1021), (1037)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10219

gtgaagacaa	agatcgacgg	cttgccaggc	cttcggtctg	ccaagcctag	gtattcaatc	60
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tcgggtctata	cttctccatt	gctgttgaac	aatcttgaga	acacgaaata	tgtgcgcac	180
tccccaatgg	catttgccac	tggtaacggc	ccttcaaagt	ccgctgttct	gcatcaagtc	240
aaagccagct	cggccaggca	gccacctttg	gccaaaggaag	tgaatctttt	gaagggttcc	300

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acgccgctct cgatggatcg tgtccttcag ccggccctgt tcgcaggact caagcagtat 360
ttcgagtcga agaggcgat cttgaaaagc ggtgatcttg ttggcatcag cgttgatgag 420
agacttggca gagctgtttt ctccggtgcc gccccacgag atgcaagcac gccagacgaa 480
gatttgacaa tacgtttcaa tcaagccaat gagtctgcac aggggtgtgaa gaagggtggc 540
gtggcatggg tccgcgtcgc tcatgtggtt cctggcaagt ccgaggatca ggatgaagac 600
gatcaatggg gaggggtagc cgttattgac tctgcgacca ctaggatggg gcaggctgga 660
agcgatatta gccgggttcc gggcatcttg gagaatggtt gggagtactg gcttgggggtg 720
aaatccgtac caaagtccat tagtaatgcg ccgggccttc atggtctggg cactgagcca 780
ccgcagccgt tcataccgcc actgcaaaaa cgaattcgcg agcttatggc agtggcaacg 840
agtcctcgcg ctattcagct ggggatgaaa cccgttgtga ttcttctgag gtcgcagcaa 900
agacatattg ganaaactac ggtagcaacg cgcgcgtgtg cagacatcgg ccttcatacc 960
tttcccattg atgcctacga catcctgact gaggggtggc gcaatggcgg cgatgtgaaa 1020
nacgaagcct accttanagc gagagccgag cgggcgttcg atcgtggacc gcactgtaca 1080
gcgcttctca tcaagcacat tgagggtgcta actgccgata gaatagtgtc ggcgatggca 1140
gaaatcctcg cagatgcgag agttgttatt gccacaacta cggatgtgga gcaaatccca 1200
gaagggatcc gtagcatgtt caccacgaa tttgagatga ccgcaccaga ggagaaggag 1260
cgtgagggca ttctccgaaa tgctgtggcc gaacgaagca tcagactgtc acccgacgtc 1320
gacctgggat cgggtggctct gaagacggcg gctttggttg cagggtgattt agtggatgtc 1380
gtcgaaaggg cgtcagccat ccgaactgcc cgcctggaaa aactagcgga aacgccaaagt 1440
aaggttgcgc cagaatccaa tgtcagcgtc agggatgtgc ttgtctctgg cggcgatgca 1500
gcacgaggtg tcaccaaagc cgatttcgac gccgctgttg aagctgccag gaagaacttt 1560
gccgactcca ttggagcccc caagatccca aacgtcaagt gggaagacgt ggggtggactg 1620
accaatgtca aggatgctct ggttgaaact attcagctgc ctttgaaaag acctgagctc 1680
tttgccaagg gcatgaagaa gcgcagtggg attctattct atggctcctc cggtagtgga 1740
aagaccttgc ttgccaagc cattgccacc gaattctccc tcaacttctt ctccgtcaag 1800
ggccccgaac tgetcaatat gtacattggg gaatccgagg cgaatgtgcg gcgagtgtcc 1860
cagcgagctc gggatgctcg gacttgcggt gttatcattg atgagcttga ttcggacgcg 1920
cccgaaccgt ggaaaccaat gtga 1944

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<210> 10220

<211> 624

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (616)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10220

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atagtttcaa ccagagcatc cttgacattg gtcagtccac ccacgtcttc ccacttgacg 60
tttgggatct tgggggctcc aatggagtcg gcaaagttct tcttggcagc ttcaacagcg 120
gcgtcgaaat cggctttggt gacacctcgt gctgcatcgc cgccagagac aagcacatcc 180
ctgacgctga cattggattc tggcgcaacc ttacttggcg tttccgctag tttttccagg 240
cgggcagttc ggatggctga cgccctttcg acgacatcca ctaaatcacc tgcaacaaaa 300
gccgccgtct tcagagccac cgatcccagg tcgacgtcgg gtgacagtct gatgcttcgt 360
tcggccacag catttcggag aatgccctca cgctccttct cctctggtgc ggtcatctca 420
aattcgtggg tgaacatgct acggatccct tctgggattt gctccacatc cgtagtgtg 480
gcaataacaa ctctcgcac tgcgaggatt tctgccatcg ccgacactat tctatcggca 540
gtttagcact caatgtgctt gatgagaagc gctgtacagt gcggtccacg atcgaacgcc 600
cgctcggctc tcgctntaag gtag 624

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<210> 10221

<211> 1407

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1363)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10221

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ctcgccggcc cggttcgcca tgcgccgaca atgtcggtaa caacgtccct ttggtggcct    60
gaagaccgaa tccaagccac tctctgtccg gagtatgtct ttggtcatct tccgtccgat    120
cttttgccct gccttgtggc acctttacct tggggagagg gccttaccag tgagacatat    180
ctcgactgga tcttgcacaa ggctggcagg ctctttttga tcctagtcga catcggcata    240
cctgagcgca tcttctccct ggctgacgag tcattcgatg acgcagactt gccaatgca    300
gccacagtg tcgagcgtct gaagctctcc cttgacgaca agaatccgac gctagatgcc    360
aaattcttcc atgctcagtg gcgtttcctc gtccgaggga tcaagcaagg tgatcatatc    420
aagtataccg agaacgaagg cgttccggtc gaattaatac gcaacgaggc ggcgcttgca    480
cgagaaggga tcgagaaagt cgttctggcg ggcgcggtct gtcagggtata tctgcgaacc    540
caggttaccg tcggagggtgc gccgcatttc tttgaagaac aggaggttct ggatgagatt    600
cggtccttgc gacggttatc tcatgatcat gtcttttcca ttacgcttc ttactttgtt    660
gatgatacca tgtgcattct gttttccggc acatacgatc gttccctgat gtcctttctc    720
accgatgttc cccaaccttt caaacgcctg cccaagaatc ggccgccgca gatcctgatc    780
aactggccgc actgtttagt tgatgggctg gcatgggtgc atgtccacaa ccaagtccat    840
ggcgccattc ggccgtccaa tgtcctaatt gactcggaat accgtatctt cctcgccag    900
tttgaggcgc tcgatacatt actgccacct gccaaagatag acgacgtcga gtcataatcag    960
tacggagccc cggagcgctg ggtaagtgcc gttaccgttc aggataccgg cccgactcga    1020
acagttcttc catctgggtg tcgcacgggt cgacgtcagc catcatccc ccttgaaga    1080
ctgaccctgt tctcgagagg cccgggttct gatgacggcg tggaccattc gctgagttcg    1140
cgagctgagt ccgtcacctc ccacggcacc gccattcgca ttggaggatt gcccgattca    1200
ccgacgcggt tctccttcgc gctgtcttca tcgtcctccg ggtccagtgg aagtgtctgc    1260
aagcgggttg tcaccccggt caagcggcgg atcttataca ctccatccat cacttgtcc    1320
aactcctccg gtcctccag tagcttctct tttacggctc tcngaccgg ctcgactccc    1380
aggcactcga tcgaaaaccg ctgtgggt    1407

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<210> 10222

<211> 321

<212> DNA

<213> A.fumigatus

<400> 10222

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ccagtcaaca acaccaaggc actttttcttc cagcctgatt ggaagaggct cagtcaagag    60
gaaacatgcc gtgactcgaa ttttagccca agtgacagtc atgaggctca tataaggcta    120
ttaaatgcag ctggtgcagc cactctgcgc gcctcacctc tccgtcaaca tctcaaagaa    180
acagagcacc ttgttgcaaa taacaaaaat gcgcctcccg gccatcatcc cctccgccct    240
cctaggcgct gccttcgtct tcgccgtcat cgagctcggc ctccggcgcc atatcgccct    300
catctctacc ggctcccgt a    321

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<210> 10223

<211> 672

<212> DNA

<213> A.fumigatus

<400> 10223

```

atgcagctgg tgcagccact ctgcgcgcct cactctccg tcaacatctc aaagaaacag    60
agcaccttgt tgcaaataac aaaaatgcgc ctccggccca tcatccctc cgcctccta    120
ggcgtcgctc tcgtcttcgc cgtcatcgag ctccggcctc gcgccatat cgcctccatc    180
tctaccggct cccgtaaaat ccccttctac gacccctcca gctcgtgggg ctactcctac    240
aagactatca agtactccgt cccagggtatc gtcgctttcc agatcttcac ctctgtgtgg    300

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accatgctcg	tctctgtcgc	cgcgtttctt	ctccccctggt	tcttgcgcg	caaggccgccc	360
cccggaaacac	ggctcaatac	gatcatcaca	ggtgcgctag	gcggcgcgta	cttcgtgaca	420
atgggtgttct	ggctcgcgtg	ctttgcggac	atcgcgacca	agctggatga	gttgggcgct	480
acgtccgatt	actataatgc	ggtaattgca	tttgcggtgc	tctcgtggtt	agtttatttt	540
cttcacaccc	atctaattta	ccccccccc	cccgcggcg	aggtcgacgt	ggctaattgcg	600
agtgcgacgg	ctgctctttg	tcgcgctctt	cgatcatcggt	gttcttgcca	tacttgggat	660
tctggagtgt	ga					672

<210> 10224

<211> 384

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (53)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10224

atggactgga	acccgttctg	caaggctacc	agtttgaaca	agaaggctgc	tanactgaga	60
tggatgcgtc	tcaaggcaaa	gatcgaaggc	gctctgaagg	aagacgagac	tgaaagcgct	120
gacgacatcg	ccgcgaagtc	tggcaacggc	aacggcaacg	gcaacggcaa	cgccgaagtc	180
aagcctgaag	ctgcaaaaagc	gcctggcaag	gctatgcca	agatgggtgt	tttcaagccc	240
cgtcgttcca	agaacatcaa	cactgctgaa	tctgagatcg	ctcccccttc	taagaagaga	300
cgcacctcta	agcgcaatag	aggcgatcac	gccgacagcg	atgacgcaa	caagggtgcc	360
tctgaggcta	ttgccgagaa	gtag				384

<210> 10225

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10225

tttggttcaa	taccatgcag	catcttttgg	tgcattgtct	ggttggatgg	atttgtgtct	60
gttactggca	attacatgaa	cacaggaaga	ggtgtgttga	atctggagga	tggttaagata	120
ggagctctac	tccgtaggtt	aattcaacta	caagttaagg	gtttcatgga	gcacgtgagc	180
caccatgact	acagattgta	g				201

<210> 10226

<211> 444

<212> DNA

<213> A.fumigatus

<400> 10226

actccgcgtc	gcgttccgcg	cctcggtctc	acgctttcga	aacaagaact	catttccttc	60
ctcacgacct	acggcgtccc	ccggcccca	gtacaacagc	aatcggcgctc	ccaggcagcg	120
cagcatcagg	cgcagtcgaa	gacgacgccg	gccaccaacc	cccagcatcc	gtccaacctc	180
ctcatgccgc	tgtcggcctt	tcaggccgtg	acggccgtta	agattctgga	gcgggatccg	240
cgggacgaga	tcctccgggc	atttgagctg	tttgacgagg	gcgggaaggg	atacattgat	300
cttgaggatt	tgcggcggtt	tgcgagggaa	ttgggggaga	cgggggttga	ggaggaggag	360
ctacgcgcga	tgatcgagga	gtttgatttg	gaaggtgtcg	gtggtgttac	gagggatgag	420
tttgtgagta	tctgctggca	gtga				444

<210> 10227

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10227

caccaccgac	accttccaaa	tcaaactcct	cgatcatcgc	gcgtagctcc	tcctcctcca	60
accccgctct	ccccaattcc	ctcgcaaccc	gccgcaaata	ctcaagatca	atgtatccct	120
tcccgcctct	gtcaaacagc	tcaaatgcc	ggaggatctc	gtcccgcgga	tcccgcctca	180
gaatcttaa						189

<210> 10228

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10228

cgaacgaggc	atgtcattct	gagtcaaccc	attctggctc	aatctgacga	tttgctaggt	60
atcgatgttg	tcagaagtcg	gatcaaaggc	tttgcccaga	agaagggtgac	gctcccaccg	120
ggccgtcaca	agattgtcat	tctcgatgaa	gcggataggt	atgaaactag	aggattcaaa	180
atatgtgcga	ctggtcgctg	a				201

<210> 10229

<211> 243

<212> DNA

<213> A.fumigatus

<400> 10229

cttttttaggg	tggagaaata	ccgaccaata	ttcctcgatg	acatcgctcg	caatacagaa	60
acaattgagc	gattgaaaat	tatagccaaa	gatggcaaca	tgccccacgt	tatcatctcg	120
ggcatgcctg	gtataggaaa	gactacctcg	attctgtgct	tggcgaggca	actactagga	180
gaggcttata	aggaggcggg	attggaactg	aatgctagtg	acgaacgagg	catgtcattc	240
tga						243

<210> 10230

<211> 672

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (641)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10230

aggattcaaa	atatgtgcga	ctggtcgctg	atcatttata	gcatgactcc	tggcgcgcag	60
caggcattac	gacgaacgat	ggaaatctat	tcttcaacaa	cacggttcgc	atttgcttgc	120
aaccagtcaa	ataagatcat	tgaacccatc	cagtctcgat	gcgctatcct	gcgctacgcc	180
cgactgacag	acgcacaggt	ggtgaaacga	ttgaaacaga	tatgcgacgc	tgagaagggtg	240
gaacacacag	aagatgggat	cgctgccttg	gttttcagtg	ctgagggaga	tatgcgtcag	300
gctatcaata	acctgcagag	cacatgggtca	ggttttggtc	tggtcagtg	agataatgtc	360
tttcgtgtgg	tcgatagccc	acaccgcatc	aaggccaag	ctatgatcaa	ggcatgctgg	420
gaaggggaagg	tcgacgtgc	cctagaaacc	ctgaacgagt	tatggtatgc	gcatgatgcg	480
ttcgattatt	gcttcgtcat	cgatattctg	ataactctta	gggacctcgg	ttactcatct	540
catgatatca	tcagcaccat	gtttcgagtc	accaagacaa	ttccgacttt	gtcagagcat	600
tctaagctgg	aatttatcag	ggagaccggc	ctcacacact	ntgttagcgc	cagcatcgaa	660
aagtacatcg	gg					672

<210> 10231

<211> 345
 <212> DNA
 <213> A.fumigatus

<400> 10231
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 actttctaac gaccaggaat cccgcaactt tctggccctc tgagcaaagg actgctcccc 180
 ggcggtatta gttgcgatat ggaattttag gccggttaagg ttcttctgcg caatgcttgg 240
 gcttctgctg tgcgctccat tcaccctgtc cttttgaata tctcgaagat tgatatcgtc 300
 tctggggtca ttcagaacag gtcataatct agattagtca tgtaa 345

<210> 10232
 <211> 270
 <212> DNA
 <213> A.fumigatus

<400> 10232
 cacgtatgcg ggctgatgca gccctcaagc agggcaattc aaaagcagcg gttgtggatt 60
 tccatgatgc actacggact ctggaaagcg agccagcatt ggacaccgag agattgtttc 120
 gcgcgtccat cttacattcg atgggacatg cataccgcag tctggacatg gctgcagaat 180
 cagaagcctg ctacttggag gcaactggggc tctacaaacg atcctttggg cgcgaccacc 240
 ctacgaactt tgcagttctg cagcatctag 270

<210> 10233
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 10233
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 ttgcctctga attcccgtcc gctccgattt ttctgcgagc attgcgagaa gcaatttacc 120
 atggatgaca aggatgaaat agtggatcga caacgaggtg agacgggtcac ccgtaatttc 180
 ctatga 186

<210> 10234
 <211> 234
 <212> DNA
 <213> A.fumigatus

<400> 10234
 ttactgccag cgccgaatga tgtccatatt attggctcaa agacatcggg tatggccctt 60
 tgtgaggagg aaaatgagca ttatggaagc gattatgttg attcgcaggg aaagtctggt 120
 cggaatcaaa cacaaggaac accgccatca ccatctcgaa ggcaatcttt tctgcagaga 180
 atatttggtc gtaccgttcc gaaaggtctg cttgatgaat ataatgctgg atag 234

<210> 10235
 <211> 1197
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1193)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10235

cggagaacag	gcctgtcacg	cgcaaaatct	acctctaata	gagggagaaa	gttgctgaaa	60
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agcttagaaa	gtgaagggag	ctcaagtgat	gtgaaacccg	cagccaagac	acaacgcaga	180
gcagatggag	ttcgaacagc	tgtttccgaa	gccgagtaca	tggatttggt	aagaaactgt	240
cagaacattt	tcattcatat	ccaacacctc	tcgggaggcg	caatggttca	tgacgcctct	300
ggacgtcaaa	gactgcttca	gatggatgag	gtagcccagc	tctttctcca	gctgaagaat	360
gagctctccg	cctcgactgc	ctattccaaa	gccctgataa	cacgtatgcg	ggctgatgca	420
gccctcaagc	agggcaattc	aaaagcagcg	gttggtggatt	tccatgatgc	actacggact	480
ctggaaagcg	agccagcatt	ggacaccgag	agattgtttc	gcgcgtccat	cttacattcg	540
atgggacatg	cataccgcag	tctggacatg	gctgcagaat	cagaagcctg	ctacttggag	600
gcaactgggc	tctacaaacg	atcctttggg	cgcgaccacc	ctacgaactt	tgcagttctg	660
cacgatctag	gcgcgctttg	tgagaaggac	ggatacgcca	cagaagcagc	tgcactatat	720
gagcgctcgt	tcgcaggcag	gttgaagact	ctgggacaac	acgcaccaga	aacgttgagt	780
agcatgcaac	gtctcgcgtc	tctcaaagtc	tccttaggtg	atctagaatc	tgcgctcctc	840
ctattggaga	gagcgggttc	tgtctcggac	acgggtttttg	gactccagaa	cgaaacgacc	900
ttgaacgcaa	tgaataagtt	atctcttcta	tatcagaagc	ttggtttagt	caaggagtct	960
cgtatgatat	gcggcaaaac	catcccacat	tgcaagacga	tcttcggtgt	agcgagtgtc	1020
atcacgagag	atgctgttat	ccggtacatc	caaagctctg	acaattttga	cttaccctca	1080
gaaatcctgg	acatactcga	tcaataccgg	aactccagcg	accccgaggc	ccttcgggtt	1140
atccatcgac	taggccgatc	ttacatggat	gcagggtctaa	atcgagacgc	cgnttga	1197

<210> 10236

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10236

agccaccgct	cattagccct	gggggcgtac	tctcagtggc	tccctggccac	tactgtgaag	60
gtacttggtg	gatcctatgg	cggccacaac	gcctcctccc	gtgcgccaat	ccgccccaa	120
cgtcaccaag	ctccctcatg	cagtcttgac	ccccgagtca	agcattggca	ttaccagctg	180
tcgatgacat	gttga					195

<210> 10237

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10237

atgcggtggt	tgagaatcct	cctcgccccc	gtcccccgag	atacactgct	ggagaatgtg	60
gaagacttct	gccagaaatt	cgggttgatg	gaccacatcg	acgcatttct	caaagggggc	120
ctcatctcgc	agaaccccg	tgggtccttg	gaattgccgg	agctgcagga	ggatgagaag	180
gccatccttc	cgccgggagt	cgactcacia	atgggtccag	ccatggcagc	tgtactttat	240
ggcttgtaa						249

<210> 10238

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10238

cctcgctcag	ccatgtgctc	gctggctgcc	gcagtccaag	gcattggatga	aacgggtgaat	60
aatggcgccc	aagccattta	cctgaagcag	ttcaacatca	ccaaccccca	tcaccctgaa	120
gactcgagat	tttcgcaatc	catgcagaga	taccgtctta	cacgcccggg	gctggaagct	180
aaacgcgtac	ggcga					195

<210> 10239
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 10239
 cgtgtttata tagctgcctt agttataggg aaggtctgct atagtagggt aaattataat 60
 gctagctata tagatctatc tctatactat aatctgctaa ttctctgtgt ctctactttc 120
 cccctcctc tttttttttt ttttttaaag aaggattata ttatcttagg cgtgcttagg 180
 caggggctgt cttag 195

<210> 10240
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 10240
 ttattaagaa gagatataag atatgtgacc ttgagactct ctctaattta tgtaattct 60
 aactctgatt ataactctgc cctgactct gtaaataggt tattaagttt actaagtatc 120
 tacttcacag gatggattag gtctttttta atatggctac tatttataag agtctgggaa 180
 gttaaataa 189

<210> 10241
 <211> 2118
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (2107)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10241
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 gcccggaag gggcggggac tagtgacttg aagattttta tcgacctta gcgctgctgg 120
 caccgcaaat gtgccgccta ctgggaatta ccgacaggtc atatagctcc aggcaccgcc 180
 attgtcccggt gtggtcatga cttcgaggca ggccccaaagg gcgaaggcaa cgctgaggag 240
 cactgactacg attccacaac gcctgaagtc aaccaggagc accagactgg tgtccaacag 300
 agtctccctg cttttcaaca gatccagcac gatcggaaca attccacagc tacggcaaag 360
 agcatgccgg catctacaaa aagcgggtcat agtgtccagg ctacatcttg ttccttgcca 420
 cccaaatctc ctaagcgtct ctccgtacct gtccgcccac gcaaggcgcc tcatccagt 480
 cctataatcc cgtctaagct tctatgttcc ccaccagagt cccccaatgt gtccccagtt 540
 atagcgaagc gcctcccggt ccatggccat atgcacaagc gcagtggcag cttttctgac 600
 tccgttcggg atgacagggc gcctttgtgt ttgctgaagc ttgaacagca ggcgttcgct 660
 tctcaagaga tattgaacct aggaagccta attccgaggag agctgtaccc tccagccgag 720
 tcgtacatga ccatgatggc gccgccctct ccccttttgc cctcgtctgc aagcgttggc 780
 acgcaggacc gtgcgaatac tataaatgag acttcgaagc ctccctggctc gagttcaggg 840
 atgaagacga ttatcgggtc tattcgccga gctctacata ccagacacgg gggacaaagc 900
 gtctcgccgc gtgctgcgaa tggccaatgg agtccttcaa tgcggggcaa aacatcagcc 960
 ttacctaaaca atgtagcctt tggatctgat ctctacagag acagaaagac tgcggcgacg 1020
 tcaaaaagac cgattcgaat cgatattctg tccgacgagg ctttgcaaga atatcgctgt 1080
 gcagttggcg aggtagtctc accccagacg gcgaggggcc ccagactaga agtgaccgag 1140
 cagggccattg aactggaagg caagaagata gatcgcccgg aacccggctt cgaccgctca 1200
 atggccaaaa gtcagattac catgggcagc caatctattg tcattgtgga tggcaccggg 1260
 ttggggagaac ccgtcatgtc tggagctgtg ctggagcatt cgatgggggt tgagcaacct 1320
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ctgtctcata	ggttggatct	ggcagaagat	caatattccc	tgcccatcta	ctatgaggaa	1440
gcggactctg	ggccacctaa	tcgtatctcg	aggttccttc	gctcatctag	aatctctgac	1500
ccccgccgat	cattctccac	ggagcgtttc	tcgggtctctt	ggaaaagaac	ctcaccctct	1560
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gcgcaggttg	gaccaacgct	tcgtcggcgc	cctgggtggag	atttgcgga	gatgcagacc	1740
gtaggtggcc	tgcggtcgcg	cccggtattcc	gggtcattta	catctggatc	aacctatcgc	1800
agctccttct	ctgatagcct	gatgagtggg	caacatgatg	tttccagacg	caaacaagc	1860
ctgateccctc	ctaataccgcg	atatgagttg	attcagactc	actcgtctca	gatgttgagg	1920
cgctcatttg	aagctgctat	agcgcagttt	gcgcagatac	cggatgacga	cgacggaggga	1980
atcgagtcag	cgttgttgaa	actcgaggga	aagtggcccg	ggccccctac	cagcggggag	2040
ccggcagggc	tctcaaattg	tggcagctgc	agagagccag	gccatgttca	acacgatcag	2100
gcctgnggc	tcgtctga					2118

<210> 10242

<211> 744

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (92), (97), (100), (189), (198)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10242

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ccggcgggagc	cattgactcc	agacctttca	cntaggnacn	agaacaccga	acggaacaat	120
tttcgccccg	tgaatacgca	ccaggtctcg	ggtgatgtac	tctctcaaac	cgagatggat	180
cgccaacgnt	acaatatntc	caagaaccct	gaaccagacc	atgtcccgtt	tattctctca	240
tgcaaatccc	agatccttgc	tcagcagctg	accctggctg	agatggctgc	gctcagttag	300
gtggattgga	aagacttgg	cgatatgaat	tggagtagcg	gctcgccctc	cactcgcaac	360
tgggtccagt	tccttaccga	ggaggaacga	aggggaatag	atcttgtagt	aggtcgattc	420
aacctcatgg	tgcatgggt	ggtttcagag	atcgttctcg	tgcgtacact	agaagagcga	480
gctagacca	tcgtcaaatt	catccatact	gctgcccacg	cgaaacggat	ctgcaactac	540
gcaacgatgc	tgcatattgc	cattgctttg	tcttctacgg	actgctcgcg	actgcaaaag	600
acttgggccc	tgggtgcctcc	atcggaag	cgcttgctga	aagacatgga	actactcatc	660
cagcctgtgc	ggaacttcca	tgatcctcgc	atggaaatgg	aaacggccaa	tctgcaggaa	720
ggctgtatcc	cgtttgcgg	ttag				744

<210> 10243

<211> 399

<212> DNA

<213> A.fumigatus

<400> 10243

aagacatgga	actactcatc	cagcctgtgc	ggaacttcca	tgatcttcgc	atggaaatgg	60
aaacggccaa	tctgcaggaa	ggctgtatcc	cgtttgcgg	ttagtgagct	ctcgaccgac	120
ggtatcttag	acatactgac	tggattttca	ggattatacg	tccatgacct	cacctacaac	180
gcgcagaaac	cagctcaggt	agcaaacc	aacggagaac	cgctgggtcaa	ctttgagcga	240
tatcgcacgg	cagccaggat	cgtcaagagc	cttcttcgac	tgattgacgc	gagcaccaaa	300
tacaaattcg	agcctgtgcc	gggcatcatc	gagcgttgct	tctggatcgc	atcgctttcc	360
gaagaccaga	tccaaaaacg	cagtaggatg	ctggaatga			399

<210> 10244

<211> 852

<212> DNA

<213> *A.fumigatus*

<400> 10244

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aaggttctta tattgcttgt cagattgctg gccatttgcg caatcatggc cgcacctcgc 60
gatgcgctca agccacagat cgaccgtcag aagaccacac ctttccacct gaagctcttc 120
tatcgcgatga actccttcca cctctatccc gactttgcca ttccctcctc gccatcttcc 180
tacagtggac cgactagcgg tcctaattgcg attcgagctc ggtccctccc cccagttcga 240
ctccccccgc atctggagat ctacacctgg cagtccctgca ccctacgaga attaaccag 300
ctcctcacct cggcggttgcc atcacttctt cctgatcccg ctgtcgggac acgcatatgc 360
ttccgcctga tctaccgga caccaaggcg gccacgacaa tgggcggcga cgcgcgaggg 420
cgatacctga gcaaggacgt ggggagtggt gtctgtgggc cgaaggacag tccctaccgg 480
ggcgagaatg acgaggagaa tgggggcagt gctgcgacgg ggccacgtgc gctgcggcta 540
caaggtaacg atgcggacaa gacgctgcag gactttcgtt tctgtgattg cgactatgtg 600
gattgcgcga tcctgccgcc gttggaggac ggctctgttg ctccgccact tgttacgggg 660
cgggggctcg tgagcggggc cgttggaggg ggtatgaggg cgttccgtga tcccgggttt 720
ggacggcctg gtcgggggag aggtgatcga gggataccat ctggtgattg gaggcgtggg 780
gagaggctac cggatggagg agggcgcaat tatggtgggg gacctgggag aaggggatgg 840
gcgccgtact ag 852

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<210> 10245

<211> 771

<212> DNA

<213> *A.fumigatus*

<400> 10245

```

cgtgattttc aggctgaaaa tgagaacgaa gaaaaagttc ccgaagttcc ttcgtcggat 60
caagaacagg gtattcttcc taaactcatt gccacgcttg ttggtcgccc gcgcgaagta 120
aagaaattga tgaaatccaa atccgcgaca cctgaacagc ttgcgctgtg ggacaccaag 180
caattggctt tcaagttgac cgctaattct atgtatggat gtttgggtta tacgcagagt 240
cgtttctatg ctcgctctct ggcaatgctc acaactttca agggctcgtg gattctgagg 300
agcaccaagg agcttgcgga atcaaagcag ctccgcgtca tctatggcga tactgactct 360
gttatgatta acaccaacat ggacactatc agtgatgcac tcaaggttgg cgaggagttc 420
aagaaatccg tcaacgaacg ataccggctc ctggaaatag atatcgacaa catcttccgt 480
cgctgttat tgacgctaa aaagaagtat gcagccatca acatgactga ggtggacgga 540
aagtttgtgg acaagctcga ggtcaaagggt ttggatatga aacgtcgtga atactgtgcc 600
ctatcgaagg aagtatctca gaaacttctt aatgaaatcc tctccggcga agaccaagag 660
ctggttctca atcgagtcca tgactacctt cgagacctcg ccgacaaaat gcgagggtac 720
caaattccag ttcagaaata cgtgatctac acggtaagct tccagccctg a 771

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<210> 10246

<211> 1017

<212> DNA

<213> *A.fumigatus*

<400> 10246

```

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ccgcgacaag ttgcgctacg tgagctcgcc cgtggcaaga caattcgacc caacgatgtc 120
atttcataca ttgtgacaaa tgggactcgc gagacctcat cgctaccacc agcgaagcgg 180
tcatataccg tccatgatgt catgaaatct gataataacc tcaaaccoga tattgaattt 240
tacctcctca agcagatttt cctcctatt gagcgtctct gtgcgcctat tccgggtact 300
gatgcagttc ggctagctga gtgtctgggt ctggatgtac gcaagtatca aatcaatacg 360
tccagtggaa gcaatcagca gaatcggat atctttccgt tggagtccca gattccagac 420
tctgttcgtt tcgagaatgc tgctcgtctt accctgactt gtcgatcttg caaagagaaa 480
tcgatcttcg agggacttgt ggctcgact catatgtgca cagccaacgg cattgtctgc 540
cctaaccaag catgtcaaaa acctttcacc gtgctgacga taatcgacac attggagagc 600
caaatccgtg cccaaacgct taagtactac gaaggctggc tggtttgtga tgactctgca 660

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tgtggcaacc	gcactcgcca	gatgagcgtt	tatgggcacc	ggtgcctggg	gcctcgtggc	720
cgcgctgagg	gctgccttgg	tcgtatgacg	tatgagtact	cagagaagca	gatgtacaac	780
caattgcttt	actttgcagg	tctgtgggat	gtggacaagg	ccaaagtcaa	tgcccagaag	840
gagggcagcg	gcgaaaagaa	agacagcatc	gcagcgtg	tcgaattcaa	tcgcactcgc	900
ttcggcacca	ttaaggatgt	ggtggatggc	tacctgaaga	aatgcggccg	acaatgggtt	960
gaaatggatg	cccttttccc	gtcttcgacc	acgggccggc	aaggaaccgc	gattgag	1017

<210> 10247

<211> 516

<212> DNA

<213> A.fumigatus

<400> 10247

aaacgtctcg	caaattggtgc	tggcaattcc	tgggctcgaa	ccctcagtgg	tactcgcgct	60
gaacgtaacg	aatacatcct	gctgcatgag	ttccaccgaa	acaaatacat	ctgcccagac	120
aaatactcat	ccaagctgca	gaaggcagaa	gagaagtatc	aggatggcga	cgatgatgat	180
gccggtgaca	agaagaagaa	ggacaaatac	aaaggaggtc	ttgtcttcga	gcctgaaaaa	240
ggtctctatg	acaagtttgt	cttgggtcatg	gacttcaaca	gtttgtacct	gagcatcatc	300
caagagtaca	atatctgctt	cacgaccgtg	gatcggaccg	ccacagtaag	cactcaaccg	360
ttgtctcgac	aaatcctact	cacaacccct	actaacgtga	ttttcaggct	gaaaatgaga	420
acgaagaaaa	agttcccgaa	gttccttcgt	cggatcaaga	acagggtatt	cttcctaatac	480
tcattgccac	gcttggttgg	cgccggcgcg	aagtaa			516

<210> 10248

<211> 681

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (181), (195)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10248

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tcgaaaaaga	agaagaccaa	gaagcccaag	gacactgagg	ccggtgaagg	cgacgacgcc	120
gctgccaccg	ccgatgggga	attcgacccc	accgccctga	aaaagaagaa	gaaaaaagtc	180
nagaaggctca	atacnngtga	ctttgaggct	aagctcgccg	aagctgggat	ctcggagaaa	240
gccgctaccg	aggagaaaga	aggcgagttg	cctgagggcg	atctcgaagc	cggcaccggt	300
atctgggcgc	acgacgcaac	ccaggccatc	ccgtactcac	tctcgtctc	ccgattcttc	360
tccctcatec	agagccaaca	tcccgcacctg	ctgtccaacg	gcaccaagtc	gtataagatc	420
cctcctctc	agtgtctg	tgaaggtaac	cgctgtacca	tcttcgcgaa	aatcgccgac	480
atctgcaagc	gtatgaagcg	ttcggacgac	cacgtcatgc	agttcttggt	cgccgaattg	540
ggtaccagcg	gcagtgtcga	cggtagcagg	cgtctgggtca	ttaaggggtcg	tttcacgacg	600
aagcagattg	agaacgtctt	gagaagatat	atcgggtatgt	tcttttatgt	ccctcttgga	660
tttgaatact	acagtagctg	a				681

<210> 10249

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10249

caggctcgagc	ctactcctca	aaagcaacgc	aaatcggttg	ccttcagtga	agggtcgagtc	60
atcatggaca	caaacggcga	agtcacagag	gctcccgctc	ctcaaatacac	cacagctgag	120
aatgaagctg	gtatgcttct	acttttctctg	tcgctcaaac	ctgcgaccgc	agccgaaact	180

gacttcaagc aggcacagca gacgccgcag tcgacgaagt aa

222

<210> 10250

<211> 456

<212> DNA

<213> A.fumigatus

<400> 10250

ggtgtccgat	tgaggccaag	ccaggtgagt	gccatttttt	cggaacctga	aaagtccacg	60
aggctcatga	tacggtcagg	ggcaatgatc	gcaatgtcgc	acacgatcac	actaagagga	120
agcatcaaat	tctctctgaa	aaagatgttt	gccggcggcg	agatgtcact	gtccacatac	180
actggccccg	gcgagcttct	gcttgcgccc	gcggcactgg	gtgatatcat	tatgctgcgc	240
ttctctggct	ctgaccagtg	gaaggtcgga	aaagatgcct	tcctggcctc	gactagcggg	300
atctcaaagg	actatcaagc	gcaaggtttg	tcgaagggtg	tcttctccgg	agaggggttg	360
ttcgtgtaca	agctgtctgg	tgtcgggtctc	gtgtggctcc	agagcttcgg	tgctattatc	420
aggaaagatg	taagctaccc	ttcccgtagc	ttctag			456

<210> 10251

<211> 234

<212> DNA

<213> A.fumigatus

<400> 10251

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gcctggaact	gcaagtacaa	gatggagcgt	gtcgcttcag	gaggtatcat	ttccaatata	120
agttctggcg	agggtctagc	atgccgtttc	accggccctg	ggaccgtgta	cttgacagacg	180
aggaacgtca	ctgcctttgc	cgcgcatatt	ggagcgcata	ctgccagtaa	ttaa	234

<210> 10252

<211> 522

<212> DNA

<213> A.fumigatus

<400> 10252

gcgcagcgcg	ataccttcca	gccccgtggt	gaagaatgtc	ccttcggtgc	catccacatt	60
atcaacttgc	ccacaaacct	ggaaaccgag	gtcaccacc	gttattcggc	caacagcttc	120
aagcttcacc	gtcttcctat	gcctcgccct	ggtcagggtc	ttggctctgt	tggaaacaaac	180
ggatcgcgaa	agagtactgc	attgaagatt	cttagtggca	agctgaagcc	taatctcgga	240
cgctacgata	accctcccga	ttgggaagag	attctgagat	atttcctggt	ttccgaactg	300
cagagtacgt	acactgccga	gtcaaaaaaa	aatccgcgta	aattttctat	gatatctaac	360
tttcatagac	tactttacca	aggtcctgga	agacaacctg	aaggccgtgg	tcaagcccca	420
gtatgtctac	cagattcctc	gggctgtgaa	gggcccggtc	aagaacgtcg	gggagctcat	480
caaggcccgc	tctcagatgg	acaacatgga	acgcacccct	ga		522

<210> 10253

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10253

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aagccccagt	atgtctacca	gattcctcgg	gctgtgaagg	gcccggtcaa	gaacgtcggg	120
gagctcatca	aggcccgtc	tcagatggac	aacatggaac	gcacccctga	tgctcttggt	180
atggccattt	ga					192

<210> 10254

<211> 1305

<212> DNA

<213> A.fumigatus

<400> 10254

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caaagccgtc ttcctacctc gatgttaaac agcgtttggc gggccgcccc ctccattcgt      60
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tatcttttccg acttcgtctg tgtttttgat ggtagacctg ctgtctatgg tgtgggttacg      180
cttctctgctt ctgtccgcga aggtatcaat atcttcttgg atggtcacat ccttaccgag      240
aatcttcgggt tccgagagga gtctctgact ttccgtctgg ctgaggctgg tgatgacttc      300
atgggtgaca agggccgtgc tttcagctac ccgagcatgg agaagactct tggcaatttc      360
cacctgaaga tcgacgctgg ttcattcact gactccgaaa tcattgtcat gatgggtgaa      420
aatggaaccg gcaagactac tttctgtaga atgctcgctg gtgcagagaa gcctgacggc      480
aacgtcacca tgccccgcat gcacatcagc atgaagcctc aaaagattac acccaagttc      540
cagggtagcg tgctgcagct ctctctcaag cgtatcaagg ctgctttcct ttccgctcag      600
ttccagaccg atgtctacaa gcccctcaag atcgatgatt tcacgcacca ggaagttcag      660
aacctgtctg gtgggtgaatt gcaacgtgtt gctattgtcc ttgctctcgg aatgccggcc      720
gatatctacg tgatcgacga gcctagcgct taccttgact ctgaacagcg tatcgtggct      780
gccagagtta tcaagcgttt catcatgcac accaagaaga ccgccttcac tgtcgagcac      840
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gttgacgcac atgccaatgc ccccgagtc cttggtcact gttgcaacac tttcttgagg      960
aaccttgatg tcaccttccg tctgtatccc aacagttacc gtctctgtat caacaagtac     1020
aacagtgcga tggaccagga gcagaagttg gctggcaact tcgtaagtca cccaacccg     1080
atccgtgcac atttatttta cgtcatacta atatgtttca ctatagtact tcttggagga     1140
agagagttga aaagggcatt ccaggcaaac ataatcgcaa ccatcacagg gacgatggtc     1200
gcgatgctga ccgcggcgga cgtcgtgggc aatggaaaac ccttcgttta tgggcggtat     1260
tcgggtttcc cgggggtccc cgtggccgca cttggggcgg ggggc                                1305

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<210> 10255

<211> 459

<212> DNA

<213> A.fumigatus

<400> 10255

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gcacaccgac caccacaggc cgcgaacacc acctctccta attctagccc cgggtgcttcg      60
ctctatccct ggtcgcaacg tcgactcaat ttctctacac cccaaggaaa tccgtttccg      120
cgatatgggt cagcaatcaa cgcggctcgt tcgaaagaag gtgacattta catgatgggt      180
ggattgatcg atggatctac tgtcaagggc gatctttgga tgggtgagag cagcggcggg      240
aatttgtcgt gctttccaat tgctactggt tccgaaggac ccggtcccag agtcggccat      300
gcaagtttgc tagttggaaa tgctttcatc gtgtttggag gagatacaaa ggtcgatgaa      360
aatgacacct tggacgatac tctatacctt ctcaacacct gtgggtttcc agctcttttc      420
ggtcacttgc agcgcacggt caccttgctg acgttatga                                459

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<210> 10256

<211> 297

<212> DNA

<213> A.fumigatus

<400> 10256

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tttccctcag cgtcccgcga gtggctcgcg gcaattcccc ccaaccctcg tccagcagga      60
cgttatgggt acaccattaa tattctgggc tccaagctct acgttttttg tggtcaggtc      120
gaaggttact ttttcaacga tcttgtcgcc tttagatctca atcagcttca gaatcctacg      180
aataaatggg agtttctgat tcacaatagc catgagggag gaccgtcccc tgggtcaaatt      240
cctccggcga ggaccaatca tacaatggtc agtttcaacg acaagcttta cttgttaa      297

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<210> 10257

<211> 996
 <212> DNA
 <213> A.fumigatus

<400> 10257
 aggttttggtg gcacaaatgg cctgcaatgg ttcaacgatg tctggtctta cgacccgcga 60
 gcgaatcaat ggtctcagtt ggactgtggt ggatttattc ctactcctcg cgaaggacat 120
 gccgcgggtc ttgtcaacga cgtcatgtat atattcggtg gtcgtacgga tgagggcatt 180
 gacctgggtg atttagccgc tttccgcatt acgactcggc gatggtattc ttttcagaac 240
 atgggaccag cgccttcccc gagatcaggg cacagtatga cagcttttgg caaacaatc 300
 attgtcttgg cgggtgagcc aagctctgca cctcgggatc cgtggagct cagtatgaca 360
 tatattcttg acacctccaa gattcgttac ccaaccgaaa ccagaatgg agacaaggctc 420
 ggtgcacctc ctctggccat gaggaaagga agcagtgacc gacacggggc gccactggc 480
 agaacgtcac gagaggcgca gaatacccca cctgcagact cacagcaacg gcgaggacca 540
 ggtcaaacaa gggagagtat gatggtagcc ccgaacggtc gaccaggcga ccatgggtcca 600
 gggccgggct ctcgattacc acgagcgtcc atcgcgcagg cgctgcggg ccctcctccg 660
 ccaggtcagg cacctacacc tgggtccccga ggcagcacac cacaacacgc catgaacccc 720
 agaagtaaaa cgccaaccga tcgtaactac ggcgggtccgg cagcggacac tgtccggacg 780
 atggaatccg agagagacag ggagtctcca gtcgcgagag attcttctaa agaccctcgc 840
 tctgctaacg acccaaggtc tatgtcaagt ggacatcgaa ctcccactca aacgccgtca 900
 agaatgtctg ccaaaagcca tggaggtgg cgaagctgct cctttagcca gacagcgctc 960
 tctacgtcag catcgccaac gcagctccat ggatag 996

<210> 10258
 <211> 384
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (69)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10258
 tccttcgtcc cctgtggtga agatcctgag aggatcgact ctttacaatg tcttgagggc 60
 cctccgatng agagttccaa ggggaactat ggcgtccaag gctcaatgag aggatctatg 120
 aagaacccct ggagctggga caaactgcc atggtttacg gcggaaagaa gaaccagttc 180
 acctggaaca ataactgtgg aaataccacc gcgcagaatt gcggcaacac agtctccaca 240
 aattgcggtg acacgtcaac ctacaataat acgaagacca tccagactgg ggatatctcc 300
 agcaatgggtg gaaacgcaag caacgcgtca ggaactgctt ctggtggctc cggcggccgc 360
 atcatcattg atggacacga ctac 384

<210> 10259
 <211> 207
 <212> DNA
 <213> A.fumigatus

<400> 10259
 tgtatcttac ccttcgatat cacattggtt ggaaccaaga cttacgtgga gcgactaaac 60
 ctccgggatgg ccaagacat atgcctcccc actcctttag caccccaatt aacattgac 120
 taccacaagc tagtcatcta tcacctcgtg tcctcttctc cagcaattta tcctgaagat 180
 tatgaaatta ttcaattcct acttga 207

<210> 10260
 <211> 1491
 <212> DNA

<213> A.fumigatus

<400> 10260

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agcccgaaga	gactagacga	ggccataaag	ggctcaaagt	ttatgaaacg	gctcatagga	120
ttctatcgac	ctttcaaata	cagattctct	atggttccca	acaccaagcc	caatcagcgc	180
tatattcgga	ctggatgcgc	gttgatgcgc	actctagtcc	aagtccctga	gggaactaag	240
tatctggcgg	aaaacaaatt	cctaaggcag	gtcgtgaat	gtctcgaca	agtcgaccgc	300
atgagcggac	tgacctctc	ctcgccactt	ttttcgcgag	agcagatggc	taccacgttg	360
agcggaggat	actttgccat	gttaggaacg	ctaagcggcg	accccaacgg	ccttgctatg	420
atggagcgat	ggcacatgct	caacatgttc	taccatataa	ttgaacttcg	ggatcgggac	480
gatctgatac	aaaccctttt	gggtaacctc	gactatagtc	aagaaagtca	tttgagagtt	540
ctgctgtcta	aagctctcac	tactggttct	aaagatattc	gcatattcgc	gacgaagctg	600
ctgcggaagt	atgcagttgg	aaatgcgcac	ctttccgcgc	aagggggact	gggtagagcg	660
gactgggttg	ttaagctgtt	ggtaactcag	ctgtatgata	ctgatgtttc	ggatgtcag	720
attgccgtca	agataacttga	ggaagcgtgc	aaccatcgag	actaccttga	atatgttgtc	780
aaatgccggc	cttcgctcga	tcacctcggc	gaaatcgag	cacctttact	tttgcgattt	840
ttatcgacat	cagttggcta	tcattacttg	gacggcctcg	actacatcac	gcaagaaatg	900
gatgattggt	tcttagggcg	gaacgacgcc	tacgttggtc	tcgtggaagc	tgcgctttct	960
agagcctacg	ttgatcaacc	ccgcaggggg	agctttgcgc	ctgaggattt	cgtggatttg	1020
caggacgttg	gagttgtacc	gccccatttc	tacagagaac	ttgcgaggac	gaaagagggg	1080
tgtcgacttc	tggaacaatc	gggccacttc	agtgaattcg	cttggaccat	tagagatttt	1140
cgattggacg	aagaagatac	cgaggcgctt	ctcaaagtca	agggctgcct	ctgggctgtc	1200
ggcaacgttg	gttccatgga	attgggagca	ccgtttctcg	agacggacat	cgtccaacag	1260
attgtgaaga	ttgccgaaag	tgctgaagtc	ttgacaatga	ggggcactgc	tttctttgtc	1320
cttggcttaa	tttctcgcag	tcgacatggc	ttgaaagtac	tccgggaagc	tggtctgggac	1380
tccgcagtcg	accagaaagg	ggactcgatc	gggctgagtt	tgccctacgga	ctttaaaaag	1440
ctgttcttgg	taggtaacac	attagcagtt	acggcgtcca	aagtatactg	a	1491

<210> 10261

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10261

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gttaaaacca	tcacgtttac	atatctcttt	cttcccctcc	tctcattgac	tgtgaatgac	120
gatgatgggt	acgaaccgcc	ctattgcatt	cctgatttca	aggtcaggca	ttctacgcga	180
aatgctacgt	tttcttccag	agtacccctt	tctgtcttgg	tatggcgttc	aggcatgtcc	240
agtcatgagc	aatga					255

<210> 10262

<211> 1212

<212> DNA

<213> A.fumigatus

<400> 10262

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acacttgggt	gcccggggga	tgaacagttt	acggggggatt	tgacctggcg	gttccccggg	120
ggaaaggcaa	cgctcccccg	ggcagaaccc	agtcaacggg	atatatcggc	ccagcagctg	180
ttgaacacgt	tccttaatgg	agatgccaca	atcgggtacac	tcacatcctc	gccgttcgaa	240
atctcgcaca	aatacatcaa	cttcctcgtc	ggaggcggca	gcaacctcaa	tgaaaccgca	300
atccggctga	aagtcaacgg	acagacggtc	cacacttcca	caggatccaa	cagcgagggc	360
ctcgccctgc	aaagctggga	tgtaagcgcg	ctacaaggaa	agacagcggg	aattgagata	420
atcgacaaca	gcacggggagg	ctgggggtcat	atcaacgtcg	accagatttc	cttctccaac	480
cagcccgcga	cgagcacgat	tgcaaaactgg	atggactggg	gaccagactt	ttacgcggcg	540

cttgggttca	acggcctacc	ccaggacaag	cgtacgatca	tgcggtggat	gaataactgg	600
cagtatgggg	gggtcatccc	gacggatccc	tggcggagt	cgatgtcgg	tccccggcaa	660
ctggcactga	agacgattaa	cggaaggca	acaattgtcc	aggagcccgc	gggcaaattg	720
agcgacttta	cgcattggcg	ccagaccttc	tcttttcccc	gtgtggagg	tgtccgcggt	780
ctcgggcgga	tcggaagac	tctggaactg	gagttgacct	tctcgagcag	gcagtcgccc	840
gcggctggga	aagccgaatt	cggagtgtgt	gtcgtgccca	caaaagacta	cagtcatgaa	900
acccgcgtcg	gatacaactt	tgcaaccag	caggtctttg	ttgaccgcac	tactcagga	960
gatacgtcct	togatggtac	gttcgcgagt	gtgtaccaag	cgctctggc	tccgtcggca	1020
gacgggactg	tctccctgag	ggttctgggt	gactgggtcaa	gtgtgagggt	ttttggaggc	1080
cacggcgagg	tcacgattac	gagccagatt	ttccctgcga	gtgatgctgt	gtacgggtcga	1140
ctcttctcta	cagacgggga	aaccaagaat	gtgaagctgc	gtgtgaagga	agtgcgctct	1200
acctggcggt	ga					1212

<210> 10263

<211> 240

<212> DNA

<213> A.fumigatus

<400> 10263

ctgggttctg	cccgggggag	cgttgctttt	cccccgggga	accgccaggt	caaatcccc	60
gtaaacctgt	catcccccg	gcacccaagt	gttttgtttc	cccttcgcaa	gtcctcccaa	120
aaatccctcc	ttttctcaag	gaaccccggc	cgtcataaaa	tccggttcgg	catctggggg	180
tttaactaa	tgccgcttga	aatccccac	ctaatttccc	gaattcccca	caacccaact	240

<210> 10264

<211> 543

<212> DNA

<213> A.fumigatus

<400> 10264

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cgtccgagct	tcccgcacac	cttgacaatt	caaattccgt	cgcgggatcg	gaaatataca	120
caggtgggct	ggaaaccag	ggcaggaaac	agcaagaaac	tctgtatcgg	tctggaccgg	180
gtgcccaagt	ttctgcatag	actgggtggc	ggctgggcac	ctgatggaag	tatggttgtc	240
tctttcaagc	tgggaaaccg	atcccaacct	gcttgtctac	aaggcgcgga	cggcgctgaa	300
gcggtactca	caccatctgg	ttattggcaa	ccttctctca	acacgcaaat	gggaggtcgt	360
ctttgtgacg	ccagatcccc	catacgaacg	ctggattcgg	gtgccaagt	cgagacggag	420
caagagcatc	tctggtgcgg	aagatcaggt	gggcctggca	gaggcagggg	gagcgagcga	480
atcggcgaac	cgtcccagtg	gggaagcccc	agaggacaac	gaccagaaac	cagcaagtgt	540
taa						543

<210> 10265

<211> 477

<212> DNA

<213> A.fumigatus

<400> 10265

tccgtctgga	cccggtgccc	aagtttctgc	atagactggg	ggacggctgg	gcacctgatg	60
gaagtatgg	tgtctccttc	aagctgggaa	accgatccca	acctgcttgt	ctacaaggcg	120
cggacggcgc	tgaagcggta	ctcacaccat	ctggttattg	gcaaccttct	ctcaacacgc	180
aaatgggagg	tctgtctttg	gacgccagat	cccccatag	aacgctggat	tccgggtgcc	240
aagtcgagac	ggagcaagag	catctctggt	gcggaagatc	aggtgggcct	ggcagaggca	300
gggagagcga	gcgaatcggc	gaaccgtccc	agtggggaag	cccagagagg	caacgaccag	360
aaaccagcaa	gtgttaacac	tgcggaggga	gtggagattg	agagtctgat	catccctgag	420
ttggtgcagc	tgcactcgaa	catgatcgcc	aaacaacagg	caaagcaacg	gccatga	477

<210> 10266
 <211> 828
 <212> DNA
 <213> A.fumigatus

<400> 10266
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 ccaaaacatg aagccctcgc cagagctttt atogaatatc acgccgaagc gaacaggcg 180
 ctggctcctg ttacgtccgg aggcacaact gtgccccttg agaaccagac agtgcgattt 240
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 ggctacgcgg tgatcttcct tcaccggcaa ttcagtctgc taccatattc acggcattac 360
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 gagtctgcca atcccggcca tggccctata gtggtgcgca gtgagtatca ggaccagatg 480
 cgggacgttt tgcggaagta ccgctatgcc aaacaaaaca acttattatt gcttctgcca 540
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 gagcggatgg cagagcacia gatccagtcg tccgagcttc ccgcacacct tgacaattca 720
 aattccgtcg cgggatcgga aatatacaca ggtgggctgg aaacccaggg caggaaacag 780
 caagaaactc gtgatcggtc tggaccgggt gcccaagttt ctgcatag 828

<210> 10267
 <211> 183
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (109), (174)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10267
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 actttccgct tgggcccgtac ttaccttata aaaagccccc cctctgccna cggcgctcct 120
 ttgcaatttt tttcaactta catcattcga ctgacctgt ttcagggtct caanaattgc 180
 tct 183

<210> 10268
 <211> 300
 <212> DNA
 <213> A.fumigatus

<400> 10268
 acccagccaa cgaggcaggt ggatttcccg gtcggggcca agaaggggaa aagaggcgga 60
 acgaaaagga aggaggagtt tcgcaagatg cttgctaacc agaacggcaa caaagtggac 120
 gaagaattac aggaagaggt tgtcaagaaa acatgggata gcaatgtcat tactccagga 180
 acaccgttca tggacattct cgctgcatct ctcgcgtact ggattgctta caagttgaat 240
 actgaccag cttgggagaa ggtacgatat ttcggcgggt ctaatgcgaa tgcttgctaa 300

<210> 10269
 <211> 1818
 <212> DNA
 <213> A.fumigatus

<400> 10269
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gaagacgtct	tcttccagga	gtctcgggca	cgaacctgcc	atctctgtgg	tcaacagggg	120
cacaaggcag	aggagtgcag	gggtcaggcg	aaggagaaga	atggggaatt	tgatgaaaag	180
cagaaagggt	cctctctcaa	accattcatc	tggctccatg	tttccatcct	cagagagtat	240
ctcgctgccg	agctgtatgt	gccgcacaa	ccattcccct	ttgacctcga	acgggctttg	300
gatgattggg	ttttcatgtg	cttctttgta	ggaaatgact	tcctgcctca	cctaccgtca	360
ttagacatcc	gtgagaatgg	tatagatact	ctgattgcaa	tctggcgcca	taacattccc	420
gtcatgggcg	ggatatctaac	cgaggatggg	catgtcgatc	tgaagcgggc	tcagctcatt	480
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agtcgaggag	aattgtctcg	acagacaagg	gaactcactc	acagcatggg	agtcaatcgc	780
ggcgctgttt	atcggggcaa	catggcaaat	aagagcgcg	cggccgtctt	gaagagcaag	840
ctaattgcagg	gctctcaaaa	tgggtcaaaa	ggtgaggaga	aatccgaggg	ggccacgaca	900
aacaatgatg	agccttcaca	ggatcagccg	gatcagacgg	agcaaaactt	gccatcggtc	960
cttggcaaga	gaaaggccga	tctcgtggaa	gaggaggata	cggacgcagg	aactccaggc	1020
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cgtctgtggg	aggaaggata	cgccgaccgg	tactacgagc	agaagtttgg	cgtcgacccc	1140
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ctactgtatt	atttccaagg	atgcccgccc	tggacttggt	actatccgta	ccattacgct	1260
cctttcgccg	cagattttgt	ggacattggc	gatatggaga	taaccttcga	caaggaggatg	1320
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cccaaagttt	tccacgacct	tatgagcagc	ccagatagtg	aaatcattga	tttctatccg	1440
gaggattttg	ctgtggattt	gaatggcaag	aagttcgctt	ggcaggggtg	gattctacta	1500
cccttcattg	acgagaagcg	gcttcttgcc	gccatggaaa	agaaataccc	gcttctcact	1560
gaagacgaaa	agctccgcaa	cagcgtggga	cgagagggtg	tgctgatttc	ggagggtcat	1620
ccattgtatc	aagacctggg	agccaatttc	tattcgaaga	agcagggcgt	ccagaagtac	1680
aagttgaaca	tgcgtataag	tgacggtttg	gcgggcaagg	tcgagcgtaa	tgaggcctat	1740
attcctcata	gctctctgcc	atcgctcactc	gaggaatacg	gcatgccgag	tttggaggat	1800
gatcggtcct	tgacgtga					1818

<210> 10270

<211> 672

<212> DNA

<213> A.fumigatus

<400> 10270

ctaacgagtt	ttcatcctag	tgtgaactat	gagatcccga	agtcaaatca	cgttcacaag	60
tccatgcttc	ttcgaggagt	caaattcaac	cctccagcgt	tggataacgc	agatatccaa	120
gcagtcaagc	acaaggctca	aaactctgga	aggctcgatg	gcgggtgccc	tttgcgcggg	180
ggacaaaaag	gtggccgtat	caactatgca	agcgacaggc	ctaatacctt	cgctgcgcat	240
ctcgaccctg	gtttcatacc	gcccgtccct	ggtaatgttg	gtggcggtcc	tataatgcct	300
tctggctggg	ttccacccat	tccagggtcc	gctggcttct	ccagagggtcc	tccccctcct	360
ccacatggag	gaatgtccgg	ttcgcatcat	cggcctccat	acgggcaagg	acccgggtcag	420
taccaaggca	accatggcca	gggcgaccac	tatggtcagg	gccagcaagg	atactataat	480
cagtcctcat	attacaacca	gtccaatcag	tataatggca	ggctcctccga	ccatgggtggc	540
agcggaggat	acagaggcgg	cggaggatac	catcgcgagg	gtaactatcg	cggaggcggt	600
tatcgcgatc	agcgccaata	taaccaagac	cagtactcct	ccagaaactc	aggtggatac	660
ggtcggttact	ga					672

<210> 10271

<211> 228

<212> DNA

<213> A.fumigatus

<400> 10271

ggaggcgcga	tcacgatga	atgcgttcag	gtaggattca	atgcaaacaac	cttttgctcc	60
ttttctgtct	tgactaacct	cggctgcagt	gctctcgcta	gcttggacga	caacatggcc	120
acctcacctc	cctcgaaccc	tacctcacct	ttgctaacca	agtctcaacc	tgccgttgag	180
cgccgtcctt	ccaaggcccc	atcgaccacc	ggcgaggaag	catcatag		228

<210> 10272

<211> 249

<212> DNA

<213> A.fumigatus

<400> 10272

ctgacatgtg	tgcatgctct	tctcgttcct	ctcttgcttt	gcttttacgc	cacatttgca	60
tctacattgg	cttgggtgat	gccgtctttg	tttgtctgtg	tgtctgtcta	cctccgcttc	120
gctgccattt	tcattctaga	caaaatgccg	ttagaaaagt	ttccttcttt	ccccccctc	180
ctccgtcttg	gtatctatct	atcatatcga	cgctgcaagc	ttcatgtcta	tgcttatgtc	240
tcaatataa						249

<210> 10273

<211> 399

<212> DNA

<213> A.fumigatus

<400> 10273

tctttgattc	tcaaggcgcg	tctgtctcag	caagaggccg	agatggagcg	tctccggcag	60
caagccaacc	gtggcaaccg	tccacaaatg	ggccgtgggtg	atgctcgag	cttctctggg	120
tacggaaacc	aggccctctc	tcccgactac	gcatccagca	aggttggaag	cgatgatctc	180
cgccgtctgc	ggacgacacg	caacaccaac	cagcccatgt	cctttggccc	atctagcatg	240
cttgggtctc	gtagcagcag	cggccgcaag	aaccttggcc	ctggaggcaa	cttggttcgt	300
ggcagcgacg	atagcgcagc	cagcagccga	tccggaaccc	ctactgccgg	aaagaaggaa	360
gataaggagg	ccgcatcatc	gatgaatgcg	ttcaggtag			399

<210> 10274

<211> 1875

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1068), (1143), (1156)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10274

agacaggaga	gggagcgtaa	agagagggag	gagcgcgagg	cctacgaagc	gaacttgaaa	60
caagccgagg	ccgaggccga	agctctcgag	gaggagcgtc	agcggaagcg	cgaggctgcc	120
gcagagacgt	ctaacaagga	gctgtttgcg	gcgctcaaga	agggcggtct	agctgctaca	180
gaggacagca	cgcctgccga	cagcggcacc	gccactccag	tctccgacat	ctccatggga	240
cctcctggca	agcccgcag	tgcccagaag	cgggagaagc	ctgctgcttt	gaagctggag	300
accaccaagg	cagtcgagcc	tccccagccc	agcgtgcga	tgaagtcgct	tcaatcggcc	360
cgcttcgtcg	acgacttgag	caagatcaac	taccgcacct	ctatcgcttc	tcctaaccgg	420
gctctcaatg	ccaacgctcc	tgccgaccgc	aagttccact	acaacaagga	attcttgctc	480
cagttccaga	gtgtcttcaa	ggagaagccg	tccattgatt	gggatgcccg	tgctcgtgag	540
accgtgggtg	agagcgacac	atcgctcct	cagtcgcgcc	gtacgcccac	gggagcacgt	600
aatccttctc	gcggcggtgt	ggctcagcct	ttcgtcatgg	gctccttcgg	acagccggcg	660
gccagaacca	cctctgagca	acgcttcgct	gcttctaata	ctcgcgggtc	cgctatgccg	720
tttggccagt	tcggccgtcc	tcctgtgggc	atgggagctc	cttccatcag	ccgtcccggc	780
tccaatatgg	gtattggacc	cggaaactccc	cgtgggtggg	gcagccgctc	caacacacgg	840

accggcgagca	agcgcgagaa	gcagtcgcc	aagaaggagg	aggagatggc	caaggccatg	900
cctcttaccg	ccggcaagga	agtcaaggcg	ctccagatct	cctcgacggg	ctggaagcct	960
cgtagcatcg	ttcagcccg	cgccgggtccc	actccggggcg	gtcatcttcc	cccggatatg	1020
gtgcagcgta	aggtcaaggc	tcctctcaac	aagatgaccc	tgaggatntt	cgaccgtatc	1080
tcggttcaat	tcctggaaat	cgtatcgag	tccaaggatg	aatccgacgg	acgtactctg	1140
cgncaggtta	tcagntttac	cttcgagaag	gcaaccgacg	aagctcactg	ggcgtcaatt	1200
tatgccaaat	tctgcaagcg	tatgcttgag	agcatgagcc	ccgagatcaa	ggacgagaat	1260
atccgtgaca	agaacggcaa	tgtcgtcact	ggtggcagtc	tgttccgaaa	gtacttgctc	1320
aaccgatgcc	aggaagagtt	cgagcgtggg	tggaagggtca	acttgcctcc	caagccggaa	1380
ggtacgactg	aagaagccgc	catgctgtca	gacgagtact	atgctgctgc	cgccgccaa	1440
cgctcgtggc	ttggtctcgt	caagttcatt	ggtgaactat	acaagctggg	catggtgacc	1500
gagcgtatca	tgcacgagtg	cgtgaagaag	ttggtcgact	acgagggtat	gcctgaggag	1560
gcagaggtgg	agagtttgac	tagtctcctg	cgcaccatcg	gtgccagcct	cgatgcttcg	1620
gagagaggtc	acaccttcat	ggatgcctac	tttgctcgca	tcaatatgat	gatggatatc	1680
ccaggcttac	caagccgatt	gaggttcatg	ctgatggtaa	gtttatctcc	ctttcggacg	1740
tgtagctttg	ggatcaatct	aaccgattta	caggatattg	ttgatctgcg	caatgctcgc	1800
tggcaatcaa	aggatgctga	caagggctct	aagaccattc	agcagattcg	tgaggaggta	1860
tgtgatcgct	catga					1875

<210> 10275

<211> 1413

<212> DNA

<213> A.fumigatus

<400> 10275

ctgccacccc	gtggtgaaga	cattcccttc	acatcgccca	aagagggtga	tgatgaatgg	60
aggaagatgt	cgttcgggtc	accgctcgac	tgtagcgcg	tgacatatga	gaaattgacc	120
ggtggatcgg	ggatccagtg	gccatgcacg	aaagaacatc	catatggaaa	agaccgcttg	180
tttgacgacg	ggaaattctt	cacagatacg	gactactgtg	agagttatgg	tcgatgatctg	240
gagaccggga	ccccgtacac	cagggcccaa	taccaggcga	tgaaccctgc	tggccggggc	300
attctcaagt	cggcacagta	caagccatcg	ctggagatcc	caaagttagga	ctatcctctc	360
ttgttgtcta	cagggcgcaa	cgtcttccac	tttcatacgc	gcacccaaaac	cgggagagca	420
aggcgtctgc	agcaagccga	tcaggagccg	atcgtgcaga	tttcgggtgga	agacgcccaa	480
gccctgcatg	tactgaagg	ggagatggcg	gtcgtgcgat	cgcgacgggg	gagtgttgag	540
cttcacgtga	gaatcggggg	aatcaacgac	ggtcatgttt	tcattccttt	tcactttggt	600
tattgggacg	ctacagacgg	gagagcacgg	gcagccaacg	agcttacgat	tggtaggtac	660
aatgtcgaga	agactgactg	gctggaatac	gcatacctaa	cgaatgcaga	gcaatgggac	720
ccagtttcca	aacagccgat	gttcaagtcc	ggcgccgtcc	gcattgaaaa	gtgtgtccaa	780
aaggaggcag	aacgacaaac	aatggccgtc	cggagtgtcg	agatgaggaa	accagacgcg	840
gcaagcagcg	caggagacaa	tagcaacgac	aagaagccca	tcggcgggat	ggagctctgg	900
ctgggagcga	ctgaccaggc	actggagatg	ctgcgcgaca	tgtacgtcga	catgatcccg	960
cgttttggtgc	atgatatgga	gatccaaagt	ggtctccagg	tgatgagacg	cattacctgt	1020
gagatttcgg	accagttcaa	gccattatt	gagcgatc	acgagagcca	acaatacggg	1080
cgccgggtgg	ccgagcacct	acgagacagc	attttccctg	cgattggtga	atcgaaggat	1140
ccgtacgagg	cactggcagc	gctacagtca	ctggacttgt	tcctgaccga	tatcgaaggg	1200
catctaacag	ctctatctcc	cgcgagtcag	gcactctggg	attgtgat	cattgaagca	1260
gtcaaattcg	cccagaaggg	cattcaaaga	cagaaagggt	gggttagcca	gcatacaaaa	1320
gtgaaaagcc	cacagacgct	actagtcctg	tcggcggtcg	cagaggaatt	aagtggagag	1380
gattctcgaa	tggccgggca	gattcgttgt	tga			1413

<210> 10276

<211> 255

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (21)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10276

ttgaaaacca atgacgccga ntcttccagc cccgtggtga agacgctgga agaacttaag	60
acacactcta accagccagt ctcatttggc tgcgttcga gcctactact aattcatata	120
tggaccaaag gtactaacag tgacataacc tccttttttc atgctgaggt acgtaaggta	180
ccggacaact ataggctatt tgagatcggt gtgaacagtc tcttgtgggc agagatcggg	240
ctgttcataa aatga	255

<210> 10277

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10277

gagctgaagc tcaatgtttc tgctccaaca gtcaggatca tcgccctttt agagggacct	60
gggtacaccg tgcctggtaa cttttatgca gcatcatggg caatcgggtc acatcagctg	120
attgctggct tagcatctaa cttttctctg ttcgtattca ccatgctctc caccatctat	180
cagttccacc acaccctgct tcctctcatt ctgaccgagt ag	222

<210> 10278

<211> 606

<212> DNA

<213> A.fumigatus

<400> 10278

accatacagc tcctaagcca cgatagcact accgcgcaac aaatcccat aacctcccaa	60
ctcttctcca tctacaccga actcgctccg cccgtctacg caggttcgac tctacactcc	120
gtccgcgcag ccttcgaaaa ggccatcggc gatcccgctc atttgcccca cacaggcaca	180
ggcgcaactca caaacggcgt cagcagcagc acatcaaccg cgctctcaag cctcactctc	240
tggaaactgt acatcatggt cgaactctct cgtcatgaga tcaaccgcgc caaagaagtc	300
ttctaccgcg ctattcgcgc ctgtccttgg tccaaggaac tcgttatgct ggcgtttacg	360
cacctgcgtg cggacgtcgt ccgggaccga tacaagatt ccccgagaaa gggggagggg	420
atgggcttcg atgaacttcg ccgcgtgtat aatgttcttg tggagaaaga gttgcggatc	480
catgtcgata ttgaggagga gttggatcga ctgcggcgga ggaggcttga ggatgctgct	540
atgtctctgg ggccgattca gatgcccagc gatgcggaaa gtgagggtga gcgatgcaa	600
ttatag	606

<210> 10279

<211> 540

<212> DNA

<213> A.fumigatus

<400> 10279

accgctggg gatgtacgaa gtgcacctcc agaacggcca gaaaatgcc aagctgctcg	60
tgcagggacc ttacggcgcc cccgccgagg acgtctttga aaacgaaatt gccgtcctca	120
tccgacccgg catcgggtgtc acaccctggg cctccattct caagaacatc tggcacctcc	180
gcacaggacc gaaccgcgcc cgccgtctac gtcgggtcga gttcatctgg gtctgcaaag	240
acacctctc ctteagtggt ttccaggccc ttctgtcctc gtcgagtc cagtcgccca	300
gcgccgcgc cagccagggc agtgccgagt tcctgctcat ccacacctac ctccagcagc	360
ggctcgacga ggacactgcc gccaacatct acctcaactc cgtcgggtcag gaggtcgacc	420
cgctcactga gctccgcagt cgcacgaact tcggccggcc tgacttcaat cggctcttca	480
cggcaatgcg agacgggctg catgaccaga catacatgcc tggtttccat ccggccatga	540

<210> 10280
 <211> 864
 <212> DNA
 <213> *A.fumigatus*

<400> 10280
 gacagcatga agtacaaagc cggacaatgg ctcttcatcc aggttcccga ggtgtctaac 60
 actcagtggc accccttcac catcacatcc tgtccctttg atccgtatat cagtatccac 120
 gttcgccaag tgggcgactt cactcgggcg ctccgtgacg ctctcggatg cgggcccgca 180
 caggccagag atatggaagg cttagaccgg ctggggatgt acgaagtcgc cctccagaac 240
 ggccagaaaa tgcccaagct gctcgtcgac ggaccttacg gcgcccccg caggagcgtc 300
 tttgaaaacg aaattgccgt cctcatcggc accggcatcg gtgtcacacc ctggggcctcc 360
 attctcaaga acatctggca cctccgcaca ggaccgaacc cgccccgcg tctacgtcgg 420
 gtcgagttca tctgggtctg caaagacacc tctccttcg agtggttcca ggcccttctg 480
 tctcgtctcg agtcccagtc cgcagcgcc gccgccagcc agggcagtcg cgagttcctg 540
 cgcattccaca cctacctcac gcagcggctc gacgaggaca ctgccgcaa catctacctc 600
 aactccgtcg gtcaggaggt cgaccgcgtc actgagctcc gcagtcgcac gaacttcggc 660
 cggcctgact tcaatcggct cttcacggca atgcgagacg ggctgcatga ccagacatac 720
 atgcttggtt tccatccggc catgacgacg gagatcggag tgtacttttg cggcccgaat 780
 gcggcagccc ggcagattcg tgaagcggcc aagagggcat ccaccaggga cgtcaggttc 840
 aaattctgga aggaacattt ctag 864

<210> 10281
 <211> 1818
 <212> DNA
 <213> *A.fumigatus*

<220>
 <221> unsure
 <222> (815)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10281
 cctcccgctt accttcttgt aaagatgcaa aaagtgacca ggcattattcc caccaaggac 60
 gacttgggca agtccttcgc ctatttgccg ctctctttt ccttggacta cacgatcgcc 120
 gatgttctgc tcataattgg gggccttatta tccgccattt gcgcccgtat tcccttccct 180
 ctactcggta tcgtcttcgg tgacctgac aacgacctga atacggtgac gtgcagttcc 240
 tcggatcgcg ctactgcgga cctctcctcg gctgtgcggg cgaagggtgt gtatgtcatc 300
 tcatcacaaa ttgcaaacct ttgtttcatc tacgcccaca gcaattgctg gtgtttggtg 360
 agtgagcgcc tggcacgccc ctaccgtcgc cgttactttg agagcattat caaacaggag 420
 gccaaattca tcgaatcact tcttcgggt gacgttggtt cgcgtctggt cagtgcatt 480
 gaacttgtgc agtcgggcac gtcggagaag gtgggactcg tcatctcaac tctgtcatac 540
 tttgtggctg cctatgtggt tgccttcatc aaagtgccca agattgcagg catgctagtc 600
 tctgtggttc cttgtttctt cttgatggca cttggcggag ggcattacat caagaaattt 660
 gcgggtcgtc tggccgaaaa agtcaatgcg gccacatcca tagcttcctc cagtttgtca 720
 cacctgacac ttgttcatgc cttcaatgcg aacgaacggc tcgagaagcg tttcgcggg 780
 ctactctttg catcgaagaa agacgcggtt cgatnagcta ctactcacgc ggcacaattg 840
 ggctgtcttt acttcattgc ctattccgcc aacgccctag cattttggga aggatcccaa 900
 atgatctcaa aatcgggtggc cgacggaaac tctggaacct ctgtcggtcg ggtttacacc 960
 gttatcttcg tctcattga cgcattcttc attctcagtc aggtcgtcc cttcatccac 1020
 gtgttcgctt cggctgcagg cgcttcagag aggtttttgc aggtgatcaa caggccttct 1080
 gccattgatg ggacgtctga ttcaggcgat aagactgccg catttggtga ggaggatatt 1140
 cgctttcggg atgttcactt caagtacccc tcacgcccgg atgtccctgt cctgcaagga 1200
 gtgactttca acatcccgc caaaaagcat acagcgattg tgggtccttc tggcggtgga 1260
 aagtcaacag ttgttgact tctagagcgc ttctacgac ccgattcagg ggatgttctg 1320
 atcggcgaca agaatttccg ggacataaat gttagatacc tgcgcgggaa tatcggtat 1380

gtacaacaag	aaccttcggt	gctggatcgt	accattctgg	aaaatattgc	atatggctta	1440
ttgtcgtctg	cgatggagcg	gcatcagcgg	ctcgccccct	ttatcctcga	ctcgagtcgt	1500
cctgatcttg	ccgaaaaaat	tcgagaaggc	cttacagaga	aggaagcact	ccgcgagtac	1560
gacagtgtgt	caacgagatt	gtggaccttt	tccaagaaac	ggctgccaat	gcgatggcgc	1620
ctggctttat	tgaagcactg	gcctatagtt	tcgccacca	acgtaggtac	cgcaaggaat	1680
cacttttagcg	gtggccaaaa	agcaaccatt	tggtttttgc	cctgctcttg	gtcgagaacc	1740
cttgctgttt	atatttggac	aaagcaattg	tcggttttga	ttttaaccgt	tgaaccactt	1800
tatccaggcc	ccttttaa					1818

<210> 10282

<211> 270

<212> DNA

<213> A.fumigatus

<400> 10282

atctcattcg	cattcaactc	attcattttg	catcattgct	tatctacttt	gcgcttgccc	60
ctcgatacag	ccccctggagg	ctggcgcgct	gatgctggca	tcctaacata	cagtagtcgc	120
ttcttgtccc	tccccctcat	ttattccctg	tgcacatcgg	ttgtctcaga	cacattcgcc	180
ccatatgggc	aacaatcctt	caaagggccc	ttccggagat	gtcccgccaa	gttcggcctc	240
atcaaattta	tcggctcccc	caggcgataa				270

<210> 10283

<211> 867

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (548)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10283

catacagtag	tcgcttcttg	tccctcccc	tcattttatc	cctgtgcaca	tcggttgtct	60
cagacacatt	cgccccatat	gggcaacaat	ccttcaagg	gcccttcg	agatgctccg	120
ccaagttcgg	cctcatcaaa	tttatcggct	cccgcaggcg	ataagaagg	gaatcgccgg	180
ccgtcaacca	acgcaatc	cggggcagca	aaggcaactg	cggccgaccc	ctctgcatct	240
attgagacag	caacaggaca	ttcggccaca	gcacgtcaaa	ctccagttca	gcagcgctt	300
caatcgcgca	atattacaga	ctcttctagg	ggtaattccg	agcgacacga	ccgacatgat	360
gcaaagaaa	cagagcctca	ctacagggat	attccctcac	cggatccttc	gaatcctgtg	420
caagtaccag	tttctcgggc	tgtgtccaga	aatgatgcga	ctgtagcacc	gtctggccca	480
cctctcaaca	catattatag	tgttccacc	caccttcaac	gtccgcctcg	gatgccctta	540
cccctcnggg	cgatgcaacc	gctactccag	gttcaccgat	catcggaccg	aagactccct	600
atcggttttg	tctcgggcga	ccgttcattg	ggcgaacaag	caagtcaaga	caatgcaggc	660
atcaccaata	ctgccattga	cgatgaggag	acgcttgacg	agctcgaacc	atataccccg	720
agcgggtgtg	gcagggctgt	accaacatgt	atcgaatgga	atggccctgg	agaaaaagta	780
tacgttactg	gtacctttgt	gaactgggaa	aagaaatatc	gtcttcacag	aaagtatgta	840
accctccatg	cttactgctg	tgtctga				867

<210> 10284

<211> 672

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (644)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10284

tatgtgaaca	gtgaaagtaa	tccaggggtc	atgtccacaa	cgtaaatact	ccgtcctggc	60
acacaccatc	tgaagtttat	tgtggatggg	gaaatgcggg	cttcagataa	tctgccgact	120
gcagtcgatt	ttacgaatca	tctcgtcaac	tacattgagg	tcagcgcgga	cgacgtcaac	180
caatcgcgca	gggggagtga	tagaacgaac	aaaagtgcag	ttccttcagg	ggttcatcct	240
ccccaggtta	ttcccaatct	tattggggac	gaccgcaatg	gtgtcgaaaa	tcagtcggac	300
aaggaagaac	cagaggagat	tcccttggga	gactttcaga	ctatcatccc	ccaatttctt	360
gtcgatcttg	acaaggatga	agacagtcca	gaataccagc	aagccgctaa	tgtgattggg	420
gatactccta	cgcccccaag	tcttccactt	ttcttgggta	aatcgatcct	caacggcacg	480
acgccgatga	aagatgacag	cagtgttctc	aactatccta	atcatacagt	actcaatcat	540
ctcgcgacga	gtagcatcaa	aaatggcggt	ctggcaacca	gtgtgactac	cagatacaaa	600
agaaaggtaa	gatctccgcc	aaattccacc	acatttgtca	gatntagccc	accggggctg	660
gaaataccac	gt					672

<210> 10285

<211> 1854

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1299)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10285

tacgagatct	accacctcca	gcttcctcag	gtacgagccc	tgaattttga	catccactac	60
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cccgaagcgc	cgacccatcg	gttcgaacag	tatcaaactg	gaccgtatat	ctacgatggg	180
gacggcactc	togtctgggc	tggatcgccc	atgttcgata	atcggaacgt	ttttgatttc	240
aaagccgtcc	acagtatcgg	ggatgagccg	catctctcgt	tggtttggca	gcattcatgg	300
gacaatgagg	atcagggcca	tgggtgtgatt	ttgaaaaaca	actatgagat	tcaaaagaag	360
ctcccccttc	gagaagattt	gggcgccttt	gatattcacg	aattcaatat	tcttgatgat	420
ggcaagacgg	gcctggcgat	gacatatacg	gagcaggaga	tcagtctgga	ggacttcggg	480
cgcccggaa	agcgaacggc	gattctgtcc	gggtgggttcg	tgcggctgga	tctcaacacc	540
cccgaacatc	tgttcgaatg	ggactccctc	aaccagggtc	ccttgacaga	gtcgggtccac	600
tatggccccg	actcgccgcc	ggaaggcgcc	cccggctggg	actatgtgca	tgccaactcg	660
gtcgatatga	acgctgcggg	agactacatt	gtgtcccttc	gcttcaccaa	caccatctac	720
ctgatctcgg	gggcggaagg	acgcatcttg	tggcggtctg	gcggccaggg	ccaccacagc	780
gactttgtgc	aggattttac	cttttccaag	cagcatgaca	tcaagtctgt	cgagtccaat	840
ggcactcatc	acatcatctc	ttttctcaac	aatgcgtctg	acgaggatac	aaatgacgag	900
cccgtctcca	gcgcgctcat	tgtggagctc	gacaccggtg	cacaacccat	gacagccaat	960
gccatccggc	gctacaaccg	ccccgacggg	gggctgaccc	ggctgcgtgg	gaaccgcgag	1020
ctgcttccca	acaacaacct	ttttgttgcc	tggagtgaac	gtgggtacat	caccgagttt	1080
gccccgaaa	gcgaagtcct	gctgagtgc	atgttcaact	cgactcgctt	ctcgacctac	1140
cgggccctaca	agttttgcgt	tccacggcgg	gccccaacac	gcccggcgac	ctgttcccct	1200
cccgtccccg	ggacagacgc	atcagatttc	gtgaccacga	tttatgtcag	ctggaacgga	1260
gccactgacg	ttgcgcgggtg	gaatttttat	gcacgcgcng	cagccaacgc	cccgcgggtt	1320
ttcattggaa	acaccaccaa	gacgaatttt	gagaccatct	atctcgccca	tgggtatctg	1380
gactgggtct	ccgcgaggc	ggtcgatcac	gccggcaacg	tccctgggggt	atcgcggttc	1440
catcgagagc	gtgtgcctgc	cgattggggc	gcagccgggt	tcaagggcaa	ggtgacagaa	1500
ctgcactctg	cagatccaca	ccttctgtac	tcgctgaacg	gagccaacaa	gcaaaaaggt	1560
accactcaa	gcataccctgc	aggggtcgaa	gcagatacaa	gcggtaacag	cggtatcaca	1620
tctgtcggca	ctgccgagga	ggccctccgg	atagcgcagg	agacgtatga	actgggtccg	1680
gattttgggg	ctctgtttat	gtctgtgttg	gtcctgtgtc	ttgtggcggg	gattgcggcg	1740

tgtgtctata	cggtgctacg	ccggcggcgg	cgcacgaagg	cgtagcagca	tggtccgagt	1800
gaggagggcc	tacccgagga	gcagatccgg	cttcgggtcaa	cgactcaaga	gtga	1854

<210> 10286

<211> 552

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (529), (547)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10286

cgacatatca	aaatgcttga	cctctccctc	cccactgccc	tcgtccta	cgacaaccaa	60
gcagccttca	cccaccccac	ctactggggc	acgtcgcgct	ccaatcccgc	ctacgaaacc	120
aaccttgctt	ctttgcttca	tgcttccgc	acagcccga	agaccaaccc	caccctccc	180
cttgagatca	tccacgtctt	ccactcctcc	ccctcgccca	ccagccctct	ccaccccgc	240
gacccaagca	aaggcgcgca	cccgtagac	tttgccgagc	ccgcagccga	caactccgag	300
ccagttttct	ggaagaacgt	caactcgagt	tttatcgga	cggggctgga	ggcgtagctc	360
cgcgacaaga	aaatcaggca	ggtggtgttt	gcggggttga	caacggacca	ttgtgtttcg	420
acgacggtgc	ggatggcggc	gaatctgggg	gtcgcggatg	tctatcctga	cggaagccg	480
gagatcctcg	cggacgggac	gcagactgtc	aaggctctca	ccacggggnt	ggaggggatcc	540
acggagnctc	aa					552

<210> 10287

<211> 1080

<212> DNA

<213> A.fumigatus

<400> 10287

acgaacaaag	ttgccttaag	cctgatcctc	gtaggtgtgg	tagaagctgg	gctttttcct	60
ggtcttatta	catactcac	gctcttctat	agttcacatc	agatagcgct	gcggacgggg	120
tacctttca	gcagcgcagc	catcgcgagg	gccttcgacg	gcattctagc	atacggcatt	180
ggttatatgg	atggaattag	cgggctgagg	ggctggcgat	ggattatgat	acttgaaggt	240
atcccgactg	tcatcctggg	tatcataact	tggttcgttc	tcgcagacga	acccgacaca	300
gcctattatc	tcaacgaaga	ggaaagagcg	cttattgtcc	gctgccgtaa	tcgttatgtc	360
gggcaaacag	tgtagcgcga	gaagttttcac	tgggcagatg	tcaaagaagg	cttcttggtg	420
tggaaagatc	acgctttcag	catcgccag	tttggcgctg	atactatgct	ttacggctac	480
agcacgttcc	ttccgacgat	catcaaaggg	atgggggtcat	ggtcgactcc	ggaagttcag	540
gcacttacca	tcccttgcta	tgcgtaggt	gcactggcat	acctcgccat	tgcgtaggtc	600
agcgatcgac	tccagcgctg	cgcattgttc	atctgcattt	tcagcgctcat	ctctatggct	660
ggctatggga	tccttatctc	agatgtctcc	tccggcgcg	actactttgg	agcactgctc	720
attgccctgg	gattgtatgt	gacagtgtgt	ctaccgctcg	cctggctgcc	aactaccctt	780
ccgcgttacg	gaaagaggac	gctggcgacg	ggtatgcagc	ttacttttgg	caacgtcagc	840
gggggtgatgt	cgcccttcc	gtacaaaaca	acagaggctc	ctcggttatgt	gcgcggcaat	900
gccgtgacct	tatcactgat	cggatttgcg	ggcatgatgt	gggttatgat	gtggctttat	960
taccatcatg	agaatagccg	cagagcta	ggacttgagg	acgagaagat	tgccggcgatg	1020
acagaggagg	agatccagga	gctgggcgat	aatagccctc	ggttccgata	cactacatga	1080

<210> 10288

<211> 645

<212> DNA

<213> A.fumigatus

<400> 10288

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tccctaaagc acctcatcat ctccatcagt gcttccaccc ctcacaaaaa tacggcctcg      60
gccgccatct cgtgccagtg tcacggagtc accatggccg ctcagtccaa attactccct      120
cccgagcgct ctatccgaca gattctctcc agcctatcgt ccctttacct gcgccaccgc      180
aaacagatct cccgcaccgt ctacctggct ctcttcgctg ctctagtcaa gcgtgtccac      240
aatgccatct ccgagcaaaa ggccgcgtcc cggtcgcagg tcgacctgcg caaacggccc      300
ggtaccagca gcctaggtga tggcgacgag ccgccccgga agagggtcga ggtgaaccgc      360
gagttctttc gaaatctact ccggctgctg aagattgtga ttccgggggtg gaagagcaag      420
gagtttcggt tactcattgg gcacagtgtt tttttggtgt tgcggacaat gcttagcttg      480
tatgtggcgg aattggacgg aaggttggta agcagtttgg tgcgaggcaa ggggaaggac      540
ttcctgctgg gtcttcatg gtggatgatt gtagcgggtc cagcgacgtt cacgaactcg      600
atggtgagtt gctgctggtc ttgtaggatc gccatcggat tttga                          645

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<210> 10289

<211> 645

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (360)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10289

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ctctcttctc accagtgcga gcttgcctct agctaccgga agcgtctcac ggattatctc      60
cacgacaagt atctcagcaa catgacattc tatgcgatct cggcggttga tgaccgagtc      120
aaaaatcccg accaattgat cacggctgat gtctctcgct tctctgacag cttggcagag      180
ctctactcca acttagcgaa gccgattctg gacatggtta tatacaacta ctcaactgtc      240
aagagcgtgg gaggcgaagg cctattcatc atgagtctct tgggtccagtt gtctgctaatt      300
attatgcggg cgctgacgcc gccatttgga aaatatgtcg ctgatgacgc gcgtctggaan      360
ggacaattcc ggttcctcca ttcaagactg attgactacc gtgaggacgt ggccctctat      420
caccgccaag atgccgataa ggactcctgg acacagggtg cttccccctc attaaccctg      480
tcaaccggat tttaccaaga ccaatatctc cccgattcct gcgaagattt ggtcctcaaa      540
tatttcgggg ggagctccaa gctggatctt gttttacctg ccccgttttc ctcccgccctc      600
ccccggccca atccccccca actttggcgc aacgccccca aactt                          645

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<210> 10290

<211> 681

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10290

```

gggggggggg ggagcttccn tccgtctacc atcgtgtata agacgttgca tgggcccatt      60
cagcgctttg aggacgaata cccagagact cgggtcaagc cagcgtctgt tgtatctgcc      120
cttcaagaga ctagctcaca aatctctggt gatgatgcgg cggccgcacc cgccggtagt      180
ggccaattgt tcggcatgac tatcgacgag aacgctgttg atgatgatga taccgaccag      240
tatgccattc gtctctcacg tactagctca attacctcac tgcattgcacg cgcgatgact      300
tcggaagaag gtcacgttca tcgacttggc cagaatctcc gccgtgattt cctgagtcgg      360
tccttgaatc aaggcgatgg ccacccttca tcgacttccc ttgatgaatc tcaattggaa      420
gctctgcgaa ataagcttga gcgtttgcac gaggagcaaa ctgcgtctca tttcgagggc      480
gcaaagtccg acaaggcgtt tgaagaaatg ggctctgtcg ttgaagaact gtgggcgatg      540
gagaaacagg atacggcggc atttgagcaa tggcgacaaa ctcaaattgc tgctcaaata      600

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aatagcggca agcagactgc atccccgaag cccagtgatg ctatcaaaga acaactggag 660
gtgaaccaga agccgtctta a 681

<210> 10291
<211> 705
<212> DNA
<213> A.fumigatus

<400> 10291
actacttttaa aaaaaaatac atactctgtc tcatcggtc cccctcccca tacatcatac 60
ccggagatca atgcgccgat taataccacc ggcacccaga atggcgccact ccaaaccgaa 120
acacctccct cccccatttt cacctcctac gaacggggcc tcctccgctc gacctggggc 180
accaaacgcg gcgtcatcag ccgcgactcc ttctccctt tcggctcctg tcgactctgc 240
ctacagccgg cccgaacgcc cgctgcctgc gccacgaacg gcgacctctt ctgtcgcgaa 300
tgcgccatca acgatctcct cgcgcaaaga caggagatca aacgtctcga gcgagaacgc 360
gaagaggccc ggaagcgccct ggctgaggac gaagagcggg cgctcgagga tgcgcggcgg 420
agggaacttc gcgagtttga gcttgtgagc atggggctgg aggcggcgaa gaatgatcac 480
acgaagggga ccggcgggcg cggcggtaat ggggatagtc agcggaagcg caaggcggag 540
gagacggagg aggcattggc tgcattcaag gcgcgcgaga tcgaggtcga cgggaagcgg 600
aagaagattt ttgagctgga tgagaaggaa atggctcgga ttgcgcggga agaacaggag 660
cggctgaagc gggagctgaa gcgggagaag gtacttgggt tgtag 705

<210> 10292
<211> 354
<212> DNA
<213> A.fumigatus

<400> 10292
tgggctcaag gcgatgtgta tgtattgccc tactacgcgc cactcgcggg ctcagttcgg 60
ctaacgaaat tagtggcgaa accctgcggt catgttatct gccaacctg cgtcaccaag 120
ttcatgacgc cgcacgatgt ccccgatccc catgccagca aggaggaaca agagcggacg 180
gcgaaactac acggtctgat tctctgctac gtgtgtgagg cggacattac accgcgggat 240
cccaaggctg aagctgatga gcatggaacc gaaaagggca acgggaagaa gtcgaagaag 300
aaggataagg agcaggggat tccgtcttca ccacgaactg gaagatccgc gtcc 354

<210> 10293
<211> 372
<212> DNA
<213> A.fumigatus

<400> 10293
agcgggagaa ggtacttggg ttgtagttgt aggggctttg gtgtacatct ggctaactgg 60
gtgcagtcgg agtcgagcaa atccgcgctc ccttcgttat gggccccctc gctcacgcca 120
tcgaccgatc ccaacgaaat cgccgctaac aaggccgtca agatgacgcc tatctgtccc 180
ggttcgacgg acgagaaccg ccatgcctat tcgctcaagt cgctggtcga tgtgcatttt 240
acagaggaaa aggcggcgga cggcacagtc tcacggatct gtcccagctg caacaagaac 300
ctgagtaatg ggctcaaggc gatgtgtatg tattgcccta ctacgcgcca ctgcggggct 360
cagttcggct aa 372

<210> 10294
<211> 1617
<212> DNA
<213> A.fumigatus

<400> 10294
cggataaaaa gtccgctggc attacgagct tcgggaggat cagagcgggg gaggaagcca 60


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aggccgccccg aaaatcttcg tagaatgaga gggtccgccc cgaagggggg aggagtcccc 120
ccgggggtttt ttaaagtatg ccgaattcca ccagcccca ggggttcgtca gggggggggcc 180
gccaatgctc agatctggaa gagataccat atgattgctt tgcagccgga gaatgcaaag 240
gtgttagtgct tggggctgaa cctggcgttt gtgaaccatg cgtgcatcgc gaatgcgtct 300
ctctactata cgttgccgta tccgagggat gagaacgggg aggaagataa aagcctgccc 360
ccgaagattg gacgggcccgt ggtgcgtgcg tccagggaca tcaggccccg cgaggagatc 420
accgttgccct acttctacgc caagggggag tgtggcgtag gccagttgat gtccagtatg 480
tactgtaagt tctgggtgcgt gtgtcggttc tgccgggacc cgggtccgcga gacggagaat 540
gctctcgaga agctctacac tctcgagacc atctttgagg acgcagatac cctgtataaa 600
cggcccgccg tgggtgttcaa gaacgcctat gagctgatca agctatacga gcggctcaag 660
atcagcgaca cgcgccaggt ccaggtctgg ctctactgcy cgggtgattgc gggatacaac 720
tgcgatctcg gccgagctat gctcttcttg atcaaggcgc gcggcttggt tctgattctc 780
catggtccca acggtcatct gtacgacaga atcagggctc attgtcagat gcctcctctc 840
atgccgggct tcggaactac caccgcgggc cgatccgccc tgaaacagtg ctatttcatg 900
tttgcagacc aaaagcactc tgcagatgtc ctgttcatgc tcacagcaaa gccggacgag 960
tacatccgac tgcaccgcta ccgtcgtatt cccgaccgcc tggcaaagcc tggagagagc 1020
agatacctta tccgctacga tgcgcaggac gcgagacgga agaaattcga ggacgaggag 1080
ccagaccctg tcgagttcat cccatgggtg tatgatgcc aggtgaggaa acagataatt 1140
gaggagaaaa cggcaaagga ggcagagcga aaggaagaga gaaagaagac agccaggaag 1200
aagaagaggg aggaacaaaa gcgtaaggag actacaatta cgaatccaga ctgcattgag 1260
ccagaaaagg atttcctaga cgtctgccgc gaattagtag ccgaattcga ggctcacgac 1320
aagcagaagc cagagccgca gcagcgggaa ttaagagagc gcaacaggga cgctctgcaa 1380
cacctgctag gcgcaaggaa tgaaccgaag aagcgagctg acgaagaaga caaaggagaa 1440
agcaaacagg agcatgagac ccttggcgga ccattggacc aggtgtctcc tcacgagcat 1500
gagccggttc cgtcgcagcc tgctgtgcac caggtagcag ccagaaagag agtggtgctc 1560
gagacgcctc ctgttcggcc ggagaccgag aaatatgctc cggttgagct ttgctaa 1617

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<210> 10295

<211> 351

<212> DNA

<213> A.fumigatus

<400> 10295

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gacacaaaga tggcccatc caacgatcta caggctctcc cccccagcgc cggctatggc 60
atcgtcatcg gcatcgggg catcttcgcc ctcttcatgc tgggcctcac ctggctccaa 120
aaccgctaca caaccttct caccatcaa gccgaagaat tcaacacggc tccccgatcc 180
gtcaagcccg ggctcatctc cgccggcatt gtttcgtcgt ggacctggtc cgccacgctc 240
ctgaccagct ccaccttcgc atacagctac ggcgtctgcy gccaatgtg gtacgcgcgc 300
atggggaccc tgcagatcct cctcttcgcy ctgattgcga tcaagatcta a 351

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<210> 10296

<211> 318

<212> DNA

<213> A.fumigatus

<400> 10296

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atacctgcct ttccctcgcc cgaatccatc caaatcatca gatcgaatca ccagaacaac 60
cagcatacat caatctccta cttcaatcag ctcaaaatgc ccgctaacca gaaccccgga 120
aactttgcca accgccctca ggaggaggtc gagagcattg ctcgcaaggg aggccagtcc 180
agccaccagg gtggtttcgc cagcatggac ccccggaagc aggtacgtct tcacaacggg 240
ctttgcacgt tgacgtcccc cactgacgtc ttcacagaga gacatcgctt ccaagggtgg 300
ccacgcctcc agcggtag

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<210> 10297

<211> 204

<212> DNA

<213> A.fumigatus

<400> 10297

ttagtcttat	ccaatgacca	actattcaac	attaagctca	gctctgttcc	cggtttctgg	60
aatctagaat	tttactgggtg	gtatggactt	ttgctgccga	gtaactccga	tcagcattca	120
gcattagcat	ttgctggcag	gacattatcc	atatccaccc	cacaatatga	gcgattgagc	180
ggtagagcag	tcgcagtgca	atag				204

<210> 10298

<211> 183

<212> DNA

<213> A.fumigatus

<400> 10298

gcctttatta	gctttggcaa	cttttaccgg	cgatttatca	aggatttctt	aagaattatt	60
gctcccttag	tgaacctgac	taggaaggat	gtcccattta	tatggactac	agcctgtaaa	120
ttaagcttta	aagccctgaa	gaaggcattt	ataaacaccc	caatcttaaa	actatttaac	180
tag						183

<210> 10299

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10299

tataataata	aaggagtcct	gcaccctatt	gcattcttct	ctaagaagct	ctcagtcact	60
gagtgcact	atgagatcta	tgataaagag	ttgctcacca	tcattcgctg	ctttaaggaa	120
tggcgcctg	aactagaggg	tacaccatca	ctaatacaaag	ttataactaa	tcactgtaac	180
ctggaatatt	tcattgtctac	taagctgctc	aatagacaac	aagcctacta	g	231

<210> 10300

<211> 210

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (101)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10300

tctgaattcc	tgtcccgctt	caactttaaa	attatatatc	aacccgggaa	gcaaggagtt	60
aagcctgatg	ctctgaccag	gaggtcagaa	gatctcccta	nagaggagga	taaacggcta	120
caacaccaga	gccagacaat	tctaaagaaa	gagaaccttg	acccctgaaat	tcagaactca	180
gtgaaactag	gagccattac	aaatagctag				210

<210> 10301

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10301

tggaatctgg	cogttatctt	gccgcagtca	caacggaaga	tgtgtgtatc	tgctatcctt	60
gggaagccac	gtatgtactg	gacctttgtc	gctttcttta	ttttctcaga	tactaacgga	120
gactccaaca	acaacagggg	tatcgaagag	cacgacagac	tgcccatgga	caccccttg	180
ttatag						186

<210> 10302
 <211> 255
 <212> DNA
 <213> A.fumigatus

<400> 10302
 gattatccca gttgtacgtc cctctgcgtt gctccgctcg ctgtttacag ttgtccaagt 60
 tgcccgtga cccttgcgcg gtttgcctat cagcttccct tctacggcct aatatgtttc 120
 gcctgctacc tgggtggctg gctcggctctg gccatcctga cgttcaacga ttgtcccag 180
 gcacacaagg agttgcagaa ggagattgag caggcgaagg ccgacctgcg cagcaagaac 240
 gtcgatgttg actaa 255

<210> 10303
 <211> 627
 <212> DNA
 <213> A.fumigatus

<400> 10303
 ttctctggcg atgtaacagc tagtgtggcg tccaactgcc ttgttattga tttcagccgg 60
 ttcaccggct gtgatggatc caatgggtacg aaggcggctc caagcttggt gattgccagc 120
 atggccacga ttgcccataga agatttgcaa aagcacacgg ggatcaggtc gccgggctgc 180
 acaccagatc ctgcgaggcg atacgcaacc ttcaaggaga gcgtctctag ctcaactgtat 240
 gagagcgcgc ggtctgccgc aatgactgca ggatgggtgcc gtcgatccgt ggctcgggtca 300
 tggacaactt ggtgcatcgc cttgaactta ggctggacta aagcacgctc gttccatttc 360
 ccaatctgggt ccaactgcct tgggtcact aagcaaactc cactcagggg aatacctctt 420
 cccgccctag caagctcgac gacttcttcg aaggaggact tcagatgcgt agcttgata 480
 tcggtcagca cgggtggttt gtatgcaaga aaacatttcc gccaatggga gtcgagatcg 540
 agttccagaa ctaacagcac attgcaagcc ttcattccgg ctggtcagcc cttcattcga 600
 ggagaatccg tcaggagcca tcattag 627

<210> 10304
 <211> 2190
 <212> DNA
 <213> A.fumigatus

<400> 10304
 ccagaccgga tgaaggcttg caatgtgctg ttagttctgg aactcgatct cgactccaat 60
 tggcggaaat gttttcttgc atacaaaacc accgtgctga ccgatatcca agctacgcat 120
 ctgaagtcct ccttcgaaga agtcgtcgag cttgctaggg cgggaagagg tattcccctg 180
 agtgagattt gcttagtgag ccgaaggcag ttggaccaga ttgggaaatg gaacgagcgt 240
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 cgacggcacc atcctgcagt cattgcggca gaccgcgcgc tctcatacag tgagctagag 360
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<210> 10305

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10305

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ttgattgttg	actggttccg	atgtttctgt	tactttccaa	cgatgcgggc	ggacatgtgc	180
ggtgctgccc	aatga					195

<210> 10306

<211> 1467

<212> DNA

<213> A.fumigatus

<400> 10306

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aaaaaggcgg	gtatgccagg	atatactata	aatttgttgg	atttcagagc	tgtcttcgaa	180
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gctttgatgc	gatctgccct	tcagatggcc	aaatctcgag	agactgccac	cacagatagt	360
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ccgtcgcaag	actcacaaca	aaagaaagac	aatgatacgg	atattgtcgc	ctcaggaagg	600
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ggtcgctcga	atcagccatt	ccgtgatgcg	gaagaggaac	agcgggcaag	tgttcacac	1440
gaaatatcgc	atgaacagga	ggagctt				1467

<210> 10307

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10307

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caataccctt	cgtatctctc	tatgattcct	ttcatgcttg	acgcggttcc	acgcgtagga	120
ccgctacct	ttagtgga	tctaaaccgc	cacaaagtgc	ctcagccaca	tccacgtcat	180
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<210> 10308

<211> 1248

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1247)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10308

atggcgatc	aacagtctca	agggacgtca	agtcocatcc	cgctctccat	cttctctccc	60
cttgggcgac	gaggttcacg	agcctccg	tcaagccagg	ccgaacggga	aagtctgaat	120
gcagcccttg	accagataca	tacggctgcc	taccagtcgg	attctctcac	cgtattcaat	180
gatttcacta	ccctccgg	tccggttcc	gctacagaag	aaaagaatct	ttcagcagag	240
ctgcaaggtg	gtctgagtgg	attgtacagc	cgttttcgaa	cttctgtagg	aggaatgaga	300
gacattgtca	gcggtgttgg	gaaggcttcg	gacaaaagcg	ctcctgacgg	accagcaatg	360
aagagtccac	cctcagagcg	ctcagtttcc	aagttcgctg	ctgattcaac	gggtcccttg	420
gccgaggctc	aacaatccaa	cccaagctct	tctcagggtc	tcaggctgca	atctccaacg	480
cctggcagct	ctcaaaacac	tcacgaactg	cctacaggga	aagcttcgaa	gctctcatcg	540
aaagccgcaa	gcatactctc	caaggcctct	gtctctcctt	cgctacact	taaatctcct	600
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aagctgacaa	gtcaaccatc	cgacagtaca	aagagactag	agaggcgtag	ctcacatgat	960
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gaggggacgt	cacctgctca	agatagaatc	aggtcgaa	ccgccacctc	ttttggcctc	1080
gatcgcgctt	cagtaactgc	gagctctgga	gcaaccagtg	tttctcagct	gcctagtaac	1140
aaggctggta	cettgcatga	ttctcagggt	ccctctacaa	gcgcaacctc	cttgtcgctg	1200
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<210> 10309

<211> 447

<212> DNA

<213> A.fumigatus

<400> 10309

cttcgtggac	gtatgtacat	gcttgccatc	cattcggacc	tatgtctcca	aacactgac	60
gcatggtcgc	agacatacaa	agccatggag	aaattgctgt	ccaccggcaa	gaccaaagcc	120
attggcgttt	caaacttctc	caaggcagag	atggaacgtt	tggccagaa	cacctcggtc	180
gtgccggccg	tacaccagct	tgaaggctcat	ccttggtctgc	agcagcggtc	ctttgtcgat	240
ttgcacaaat	caaagggtat	ccatgtcact	cattactctc	cctttggcaa	ccaaaacgag	300
atctactcct	caaaagtcca	gattggcaaa	ctgattgacg	agccggtatt	ggccgaaatc	360
gggaagaagt	acaataagtc	ctccgcacag	gttgctctgg	gtaagttttc	ttgtagacca	420
attcaagctg	gaaacaatgt	ttactga				447

<210> 10310

<211> 564

<212> DNA

<213> A.fumigatus

<400> 10310

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tcaacagctg	tcctaattgg	ggtagctctg	attgctccgg	ctgtcattat	tgtgatcaca	180
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tggatggcga	cggagggttt	gaaggactta	tatggcaggc	cccgaaccga	catgcttgcg	360
cgttgtaacc	cggatctctc	gaatatagcc	acttatgctg	tgggtggcct	gggagagaat	420
cttgacgggg	ccccacaaat	ggtgacttgg	aagatatgcc	aaaacaagtc	aaaagtactt	480
gcaaacgacg	gatttgcaag	tttccccagc	ggccattcat	cttgtaagtg	gctgatgtct	540
gctccagagg	gtctacaata	ttga				564

<210> 10311

<211> 489

<212> DNA

<213> A.fumigatus

<400> 10311

caccttgacg	tttcttttgc	cggtttgaca	tacttgactt	tatggctgtg	ttcaaagctc	60
tcaatcgcat	ttccatacct	cggacactct	ttgttgaacc	aaaatccgat	cggcccgatc	120
aatggatcaa	ttcgaaagcg	tggagcagcc	ccgccggctc	atatgcttgt	agtcgccttt	180
gtgcctattg	cagttgccag	cttcattggc	gcgtcccgtc	ggttcgacta	ccgtcatcac	240
gcttttgaca	ttctatttgg	cagtatcatg	ggcgctatat	ttgcatggat	cgggttttga	300
atgtatcatc	tccccatcac	gcgaggcgaa	gggtggtctt	gggcggcaag	aagtcggaga	360
catgcgttct	tcaagtctcc	cagattccca	agtgaagcag	atgaacgccg	gccaattgat	420
acgcacgaca	ctcaaaagac	aacgcggcag	gatattgatg	tcgagagggc	agctgagaat	480
ctggtgtaa						489

<210> 10312

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10312

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acacaggggc	attcgggtact	gccgaaatcc	aagactccat	ctcgaattaa	agccaatctc	120
gagggcgact	tccacttgag	tgatgaagat	atgaagaaga	ttcaaggcat	cgacaagaag	180
ctacgcttca	atgatagcag	cgctgacttt	ggtcggggact	tctttaccga	cttgaggaggga	240
aaggggtcgg	tttga					255

<210> 10313

<211> 1170

<212> DNA

<213> A.fumigatus

<400> 10313

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cttcgattcc	aaagagttaa	tatcgccaac	atagatgcca	atcttcgcaa	ggccctctcc	120
ccgctggccg	ccaaagcatg	caagatcgtg	tccaagatcc	gcgctcgtga	gctcgagacc	180
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ctcgctccag	tgttattctg	gttccgcaaa	cgctgcgtcg	aggaaggcgt	gaccattccc	1140
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<210> 10314

<211> 183

<212> DNA

<213> A.fumigatus

<400> 10314

ctacagaatc	tgggggtggca	aaaatgggat	tctcatgac	tcgctcagcc	cgaggccaac	60
gtcctaggta	gtaggtactc	cgtaatagaa	ctcgcggttc	tggagcatac	atcttataat	120
aaggcaagcc	tggagctacg	cgttatggga	caaaggattt	ctagggattt	gacagcacia	180
tag						183

<210> 10315

<211> 207

<212> DNA

<213> A.fumigatus

<400> 10315

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gaaatctacg	togttttcag	agtctactac	ttgggttaag	agaacatggg	gctgaagggt	120
tatgttgatc	cggaaaggct	acggcaagag	gagagattaa	ttttctcgcc	ggagtcctac	180
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<210> 10316

<211> 312

<212> DNA

<213> A.fumigatus

<400> 10316

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ttcagagata	tactctctgt	togtgaatgc	gacgttagca	cgtacgtcga	ggagcttcag	180

tggcgcaaag	acaacgcgga	tgttggtttg	gacgacctga	aggcgattta	taactgtatc	240
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catgaaggtt	ga					312

<210> 10317

<211> 615

<212> DNA

<213> A.fumigatus

<400> 10317

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<210> 10318

<211> 1227

<212> DNA

<213> A.fumigatus

<400> 10318

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gaacttcccc	tccctcccggt	cgtgtcgagc	aacgctgttg	gggcctgcac	cactgacgtg	180
aatccacgtc	gaacgggctg	cattgggtcag	atatcagagg	aatttcaggc	cggtgatttt	240
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<210> 10319

<211> 756

<212> DNA

<213> A.fumigatus

<400> 10319

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cacaacatcc	aagtcaacga	tggcccttg	acctccgaaa	acgcgctgt	tctccgtccc	180
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ggtagcgaac	ccattggcgt	tactacgat	cagatcttct	tcggtatgg	ggagccgacg	660
agtgtcacgg	cgtgggtgcc	tatgggggat	atcaaatca	acggtggagg	gttgatctac	720
ctcaggagata	gtatgctgtc	gtcttgtgtg	ccttga			756

<210> 10320

<211> 282

<212> DNA

<213> A.fumigatus

<400> 10320

caatgcatct	gcacattagc	tgacggacca	ggcgaccctg	ttggactcaa	aatcgaggaa	60
gaattcacca	ccaaggccaa	gcaggccggt	ttgaccgatg	aagaggctag	atcggttttc	120
aactcgaaca	tgatggcgac	gggccttttg	tccgagtcgc	cgatcgagtt	tgccaggcag	180
catggccgtc	gctggctggg	gtccgcctat	gaagccggtg	atgttgtctt	gcacaaacct	240
catatgggtat	gtctccgtcc	gttacctcga	atgttatcct	ga		282

<210> 10321

<211> 576

<212> DNA

<213> A.fumigatus

<400> 10321

actccccccg	gatgggtcaa	cctgcaacga	catectgttt	tactactag	gacttacata	60
cgacgctgtg	atcgctcaa	aaatggctcg	actcgcagtc	gagcacaaca	tccaagtcaa	120
cgatggcccc	ttgacctccg	aaaacgccgc	tgctctccgt	ccctcagacc	cctccctccc	180
cctggacgaa	ctccgcgccc	gctacgaaca	agacggctac	ctcttctcca	aacaccttct	240
ccccctcgac	gacgtcctcg	aagcccgag	acagtacttc	tccctgctcg	ccccaacggg	300
cgctcctcaa	gaaggcacag	accccgcca	aggcatcttc	aacccacga	aatccccga	360
tcagtacccc	ggcatcggcg	ccggcgagtc	aggcaacaac	ggccgtccgg	ggggcgacca	420
ggctgcagag	tttgtggatc	tagccatcga	ggcgcattac	caggattggg	atgcggacaa	480
gtttctgcaac	catcccgctt	tggtccgctt	tgtggccgag	ttcacgagct	ggggcgagcg	540
tacgttgaat	ttccgcccga	cgctgctgag	gaataa			576

<210> 10322

<211> 258

<212> DNA

<213> A.fumigatus

<400> 10322

gtggatcggc	aacgactggg	tcatcctctt	ctcccacccc	gaagactaca	ccccgtctgc	60
accacccaac	tggcagacct	agccaagcac	caatccgaat	tcgccaagcg	cggcgtcaag	120
ctgatcgggc	tgtccgccaa	ttcgattgag	tcgcacgatg	gatggatcaa	cgacattacc	180
gagatcgctg	gctgttcggt	gacattgcct	gtcattggcg	atgaggatcg	caagattgcc	240
catacttatg	atatgtaa					258

<210> 10323

<211> 360
 <212> DNA
 <213> A.fumigatus

<400> 10323
 caaagtgcga cgaggaacag gctcgaccac caggacgtca ccaacgtcgg cccccgcggc 60
 atcgectaca cgatccggtc tgtatttata atcgattcca acaaggtgat ccgcctcatc 120
 caggcgtatc cggcctctac cggtcgcagc acaactgagc tgctccgtgt cgtggattcc 180
 ctgcttgtca ccgacaagta ctccgtcaac acccccgcga actgggagcc tggatgatgat 240
 gtagtcgttc ccgcgggtct cactgccgag gaggcgcagg ttaagtatcc aaatatggaa 300
 actgtgaagc cgtatttgcg cttcatacca ttggccaggc accatcttta tcagcattag 360

<210> 10324
 <211> 222
 <212> DNA
 <213> A.fumigatus

<400> 10324
 cgatccacaa tgttaagtca atgtgctgcc aatcatttga caattctatc tgactatgcg 60
 tcatctaca gactccgcct gggattttaa gcccacaact tccaagctga caccaccatc 120
 ggtcgtatcg acttctatga gtggatcggc aacgactggg tcatcctctt ctcccacccc 180
 gaagactaca ccccgctctgc accaccgaac tggcagacct ag 222

<210> 10325
 <211> 591
 <212> DNA
 <213> A.fumigatus

<400> 10325
 cacctaattgc tgataaagat ggtgcctggc caatggatat aagcgcaaat acggcttcac 60
 agtttccata tttggatact taacctgcgc ctctcggca gtgagaccg cgggaacgac 120
 tacatcatca ccaggetccc agttggcggg ggtgttgacg gactacttgt cggtgacaag 180
 caggaatcc acgacacgga gcagctcagt tgtgctgcga ccggtagagg ccgatacgc 240
 ctggatgagg cggatcacct tgttggaaac gatgataaat acagaccgga tcgtgtaggc 300
 gatgccgcgg gcgcccagct tggtgacgtc ctggtggtcg agcctgttcc tcgtcgact 360
 ttgttagtgt cgagccaaca gtgggcggca gcgaaaagg ggagagatcc cttacatatc 420
 ataagtatgg gcaatcttgc gatcctcatc gccaatgaca ggcaatgtca acgaacagcc 480
 agcgatctcg gtaatgtcgt tgatccatcc atcgtgcgac tcaatcgaat tggcggacag 540
 gccgatcagc ttgacgcgcg gcttggcgaa ttcggattgg tgcttggcta g 591

<210> 10326
 <211> 315
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (253)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10326
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 ctcaattcag tcaacttccc tgaattctcg tctactcaga gcctcaactc atatggcgat 120
 gtgoggacgc aattgattca acttgccggag tatgaacaca tacacactct ctcatgcttg 180
 aatgatttga cgcaaactct ggagaattct ggccgtcaaa ccatctccct ctacctgaa 240
 atgtaccacc gtngttgtat tatttacaat gaaacatgtg tcaagtatgc tgttggctct 300

accacagcga tgtga

315

<210> 10327

<211> 225

<212> DNA

<213> A.fumigatus

<400> 10327

gtatgggcaa tcttgcgac	ctcatcgcca atgacaggca	atgtcaacga acagccagcg	60
atctcggtaa tgtcgttgat	ccatccatcg tgcgactcaa	tcgaattggc ggacaggccg	120
atcagcttga cgcgcgcgtt	ggcgaattcg gattgggtgct	tggttaggtc tgccagttcg	180
gtggtgcaga cggggtgtag	tcttcgggggt gggagaagag	gatga	225

<210> 10328

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10328

acctcagaaa caatcagatc	tagcctgtat aatatctgta	aatatctaata catgtgcatg	60
tctaataactg aattttctta	caagggtgggt aaaagtgcc	ttgagaagta caagaaagtt	120
catgaagcaa aagcagtgac	tgcacaactc tggcagtcga	tatatggaat ggagcagcaa	180
aaaccagttt ttgcaagatt	gctcttagtc tcccagagct	ag	222

<210> 10329

<211> 330

<212> DNA

<213> A.fumigatus

<400> 10329

gcctgttcaa gatgctggca	aggctcggtc aatgcggagc	agctattacc ccaatgcttt	60
caagggtgagt cgatctcatg	caggcacgga gacgatgctc	accctcacgc tcgaccgcag	120
agaatccgcg ctgcagagca	aagcctcaac atcgatagga	acaactacct ccacatccag	180
atgatggaca gactctgggg	ctcgggtgat cccaacgagt	ccctgactga cacctactac	240
gccgcctacg acgaccaccg	ttatctaaag tgggccagcg	tcgccgtctc caaggacagc	300
tacatcagca catcctgcag	cgaccagctc		330

<210> 10330

<211> 300

<212> DNA

<213> A.fumigatus

<400> 10330

atccggttctt cgatgctacc	ataccagccg gatcaccctt	ttgattcctc caaccccaag	60
tctggatctg tgtcaacaca	ccgagcattg aagatcgcca	ggcagcaggt ttttttggtt	120
ttttcttttt ttttttataa	tagccctcca atttatctac	tgcccattea cgttctccag	180
cgtatctcga caaccgacgg	aatgctagcg gctagtctta	gtctcgacag tcacagtctg	240
cctggggaaa cccgacagca	tacgcaaattg atcggcatct	tcaggctcag gggcggctaa	300

<210> 10331

<211> 900

<212> DNA

<213> A.fumigatus

<400> 10331

caggaatgcg gatcgcatct	ctcttttgcgt cgatatcttg	tgaaggcag ctcaattaaa	60
-----------------------	------------------------	----------------------	----

atgattagaa	gactcgcagc	tttcagcgct	ctatcgggcc	tggcaaccgc	ctggctgccc	120
gaggtcaaca	agaagatcac	ctcaacaaac	gggacgaacc	tcttcacgag	ttcgaacggc	180
aagatccggg	gcgtgaatct	gggctcccaa	tttgtctttg	agccatggat	cgcagagaag	240
gcgtggctcg	atatgggctg	cggcgggccag	aaatccgagt	tcgactgcgt	ctcgcgcctg	300
ggtcaggcca	acgcgaacag	tgcttttgcg	agccactggg	gctcctggat	cacacaggat	360
gacatcgctg	agatggtaag	ttatgggctg	aataccatcc	gggtccctgt	cgggtactgg	420
atgcgcgagg	acctggtcta	ctcggacagt	gagcatttcc	ctcaaggcgg	gttgcagtac	480
ctggagaatt	tgtgtgagtg	ggctagtgat	gcgggcttgt	atattatcat	tgatctgcat	540
ggtgctcccg	gggcccaggc	gccgcagaat	ccgtttacgg	gccagtatgc	gcccacgcgt	600
ggattttacc	aggattatca	gttcgagagg	gcgctgaagt	tcctggagtg	gatgaccacc	660
aacatccacc	agaacgacaa	gttccgcaat	gttggaatgc	tcgaggttgt	caatgagcct	720
gttcaagatg	ctggcaaggt	cggctcaatg	cggagcagct	attaccccaa	tgctttcaag	780
gtgagtcgat	ctcatgcagg	cacggagacg	atgctcacc	tcacgctcga	ccgcagagaa	840
tccgcgtgc	agagcaaagc	ctcaacatcg	ataggaacaa	ctacctccac	atccagatga	900

<210> 10332

<211> 210

<212> DNA

<213> A.fumigatus

<400> 10332

tcaggtcatg	atacggatac	aatgtcaatt	tatagtttga	caccaagtat	cgtgcgactg	60
tctccccata	ataagggcgg	aacagttctg	tgggagtatg	ccacaattga	cgggccacgt	120
ccggctgtgt	ttcatccaat	ttattttcga	attctgtata	ccgctctccg	agcatgcgat	180
ggaatgccgg	cccgtcttcg	atgtttattga				210

<210> 10333

<211> 1311

<212> DNA

<213> A.fumigatus

<400> 10333

cttttgcttg	ctctgcagac	acatctgtca	atggcaaatg	tacatggtat	gctgatcagt	60
tctgctgttt	ttgtagatag	tctatataat	cctcattacg	gctatttctc	gaaacacgcg	120
accatcttca	gccccggcga	gccgtttgat	ttcaataaca	tcgaagacgg	gccggcattc	180
catcgcacgc	tcggagagcg	gtatacagaa	ttcgaaaata	aattggatga	aacacagccg	240
gacgtggccc	gtcaattgtg	gcatactccc	acagaactgt	tccgcccctta	ttatggggag	300
acagctgcac	gataacttgt	gtcaaactat	aaattgacat	tgtatccgta	tcatgacctg	360
atcatatacg	agatgggagc	cggcaacggg	acaatgatga	tcaatatatt	ggatttcac	420
cgggatacag	attacgaagt	ataccagcgg	accaagttca	agatcattga	aatctcccc	480
gcactcgcga	gcctgcagat	gaagaatctg	accgattcgg	tgaatgcagc	tgggcatatg	540
gaccatgttg	aaatcatcaa	ccgatccata	tttgactggg	atacctatgt	acattcgccc	600
tgtttctttc	tcgcgttgga	ggtgtttgat	aatttctctc	acgatgcgat	tcgatatgac	660
tgcaagacgg	aacttcccca	acaaggcggc	gtgctgattg	atgcggacgg	cgaatttcat	720
gaatactaca	atgcgcaact	tgaccctgtg	gcttctcggg	tcttgccgct	cagacaggct	780
gcggcgcgct	ggccgttccc	gagccctctg	ggcccaaaag	ctatgcgcc	attgcgcggg	840
gccttgccgt	tccagagccc	ttataccctt	cctgagtaca	ttcgtaactg	gctcatgcag	900
ttcttttgata	tcttggtatg	ctactttcgt	gcacatcggc	tggtcgcgag	tgactttaat	960
agtctcccag	atgctgttcc	gggtatcaat	gcgccagtag	tgcagacacg	ttacaagaga	1020
cgaacagtcc	cagtgtctac	cccctttgta	agtactttct	tttttctgac	gcttcggacg	1080
cattctaatt	gtgcaatata	ggttcatcaa	ggctacttcg	atatattctt	ccccaccgac	1140
ttcaacgtca	ttgaggatct	ctaccgcgcc	attactggga	aactgacaca	agtgatgagt	1200
cacgaggatt	tcgtccgccc	ttgggcgtat	atagaagaca	ccgagacgag	gagcggcgag	1260
aatccgctgc	tgacctggta	caaaaatgcc	agcatgctga	tgacgggtcta	g	1311

<210> 10334

<211> 396
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (133), (177), (336), (337), (359)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10334
 ccacgcaaac tgataaacat catgacaccc tcaccaatac cacattggaa atcagcgggtg 60
 cagcaaaaac ggcgagccca actcaacgcc atccccccct cctggcgtct cccttccaca 120
 atcctcacac ctncctacc caataccctc gaaactatcc gatcatgcgg tctgctntct 180
 gcggaggagc ttgaatggac cgagactaac gatgtgacca atctccttc ccgcctggct 240
 tcccgggagg tgagtttctg acagttgact acagcgttct gcaagcgggc ggcaatcgcg 300
 caacaaatga ccaagtgcct gacggagatc ttcttnnacc gggcgctacg cgagcgaang 360
 gactggatga tcagtatgag aagactgggt ttttga 396

<210> 10335
 <211> 186
 <212> DNA
 <213> A.fumigatus

<400> 10335
 gcttctataa caattcagat cactaattgt cgatcattgc caggcgcac ccatggcgtca 60
 atcacgacag aatacatcag tggtggggga aacaggcatc cggccgccgc agactgggat 120
 gtgcagttag gcgtgctcgc ctttggcgca gataacaatg tggccttggtg gaatccaagt 180
 gtatga 186

<210> 10336
 <211> 2343
 <212> DNA
 <213> A.fumigatus

<400> 10336
 gatgcctctc agcgcgggggt ctatgccctc ctcggtggcc atactgacaa agtcagtgcg 60
 gtcagattct acacatgtcc tgccacgggt acgaagctac ttcttaccgg ctccattgac 120
 caaacaattc ggatatggcg ggctgataca gtgcacccca ccaaatattgc ccatgcacat 180
 actcttacgg gtcatacagg ctcatgaaat acgattgccg ttgccgatgg cgtcgctatc 240
 atcgcatctg gagccgcaga tggtagcgtc aagatctgga agattgacac gcaggaaaca 300
 gtaataaggg ccgatctatt tcagagtctt acgatgaaac ctcgcttctt cccgttggca 360
 ttatcattga agccgctgtc aacaccgctg tcaacagaat tgaaagacaa acctgtggta 420
 ttggcagtcg ccggcacgat gaataatgtt cagggtctatg tttctgagga cacacttgcc 480
 ggggcaaaact ttagactatc tgcgactctt tcaggccacg aggcattgggt acgttctctc 540
 tccttcacgg aggataaaca aagcaagtcc ggggacctat tgctcgctc agccagtcaa 600
 gataaatata tccggttggtg gaggcttcaa cgaggagagg ccaccaagtc tgcactatca 660
 gatgatgcag atcctatgct tggaggactt gaaaccacct tatccaataa agtcctcag 720
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 tctgcagaca atactttgac gatctgggag caggaccagc tgtccggagt atggctctcc 900
 gtagagagga tgggagagat tagcgtccaa aagggatcta ccacagctac aggaagcact 960
 ggtggtttct ggattggtct ttggtcgccg aacggaaggc aagtcgtgag tctgggccga 1020
 acaggtagct ggagggcctg gaggtatgat gccgatcgcg atatgtggct gcaggcactg 1080
 gggattacgg gtcatgtgct ctctgtgaat ggtgtgcagt gggaaccaac gggagggtat 1140
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 ctgaagtctt ggcatgagtt ttccagacca caaattcatg gttacgatct gaactgcatt 1260

gatatcttgg	gacccgctcg	ctttgtatca	ggcgccgacg	aaaagctttt	acgggtgttt	1320
aacgagccga	aacccatcgc	acaactactg	gagaagctgg	cgggattcaa	accaggaacg	1380
gacgaagagc	ttccagatac	tgcccagatt	ccagttctcg	gcctgtctaa	ccaggccgtg	1440
ggcgatgaca	tcccaatgga	ggtagacgaa	gagagtgtcg	caggggcgcg	gcaggtccaa	1500
gcaaaccagg	caatgatata	aaacctgtgg	catccaccac	tgaagacca	gttggctcgc	1560
tatacactat	ggcccgagca	tgagaaactc	tatggccacg	gttatgagat	atcagccgtt	1620
gccgtgaacc	atgatcgcac	cctgggttgcg	actgcttgta	aagcaagctc	aatagaccat	1680
gcggtgatac	ggctgtacga	cacttctgac	tggcgtgaga	ttcgaccttc	cctgaaagcg	1740
cattctttga	ctattacaag	tctttgtttt	tcgagtgtatg	accgatacct	tctcagtgtt	1800
gggagagacc	ggcagtgggc	tgtcttccta	cgaagtgggc	aggacccttc	ttcattctcg	1860
cttctgacat	cgaatcccaa	aggccatttt	agaatgattt	tagatgcggc	atgggcccc	1920
caagtggcaa	aacctgtctt	cgcgacggct	ggccgagaca	aatcaataaa	actatgggag	1980
aaggtccagg	actcggtcac	ttgcaagacg	actatctctc	tagaaaactc	ggtcacggct	2040
gtttcaattc	ttccaagtat	acttgacgct	tccttcttcc	ttgcagcggg	ggaagaaagc	2100
ggaaaattat	cgatctacca	ggtgacagtt	gacggtctcg	aagcgagaca	cattgtctact	2160
gttgataggt	cggatatcccc	ctctagagcg	atcacccaat	tatcgtggcg	gccgtccac	2220
cggacggatg	ttagagatac	tcagagcaga	tttgagcttg	ctgtggcaag	tgaggattcc	2280
tcggtgcgtg	tatatgctat	ttcgtcttca	ccacgcgggt	cgaaggatcc	acgctatgcg	2340
tat						2343

<210> 10337

<211> 477

<212> DNA

<213> A.fumigatus

<400> 10337

agacaaatcc	gttccaaccc	aggaggtcaa	gcatggcatt	ctttcttcaa	aaataaagta	60
atgcgaggg	gctggcttga	gtggcttcag	atgtcgatgc	cgagcaatta	ttatccatca	120
agaatttcta	tgcgagtgtt	tattgtgctt	caatcagtcg	acgtatccat	agtgtcagtc	180
acagtctcg	tcaagggctg	tcgtcgtgcc	gctagtctct	ccgccttaaa	tgcataatc	240
ctggccttga	gctccgtatc	taggcaaacc	cagtcagccg	cgtcgcttcc	gacgattaag	300
aaagacaaaa	gacaagagct	taccaggggt	tacatcttcc	atcttgagcg	gagctctgtt	360
gaacggatca	tgtgggtcac	tcagaagatg	agatcgaaga	gtagaacgat	ccatggatag	420
cttggatcca	gggaggataa	ctggatcttc	catcaaggta	tagatcaggg	gatctag	477

<210> 10338

<211> 1539

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (4), (10), (11), (16)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10338

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ctggaccagc	ttgagaagga	ccttcggcac	atggagggtg	cgatcaggag	gtttgagctg	180
gagcgaccca	gatggatcca	caatccagtg	cagcttaggg	tattcgaaca	ggctctgagg	240
aaatacaagg	acaagctgga	cctgggtctg	gccctgaagt	acagtctgca	aggcgttctg	300
ttcgacgacc	aatggcaggc	acgttccatg	ctgttcatga	gatatgtcat	cgtttggctg	360
ctcaggcttg	tgtccggcgt	caacttccca	aaggaaccga	tcaagttgcc	tcttccggag	420
cagcagccgg	aagtttttaa	atgtctcccc	gaatactttg	tggatgacat	tgtagcaaac	480
ttcaaattca	tcatgtgggtg	catgccgcag	ataatcactg	cgacacaggg	ggacgagtta	540
gttatgtctt	gtatcacttt	tctggagagt	tcggactaca	tcaagaaccc	ttacctgaaa	600

gcggtgtcttg	tttcgatcct	gttccggggg	acatggcctc	gccctggtgg	cgacgcgggt	660
gttctagtctg	atcttttgaa	ctctttccct	tttgctaata	aatacctgct	gcatgccgtt	720
atgaagttct	atattgaagc	agagcatacg	gggacgcaca	cccagttctt	tgacaagttc	780
aacatccgct	acgaaatctt	ccagataatc	aagtgtatct	ggccaaacac	tctgtatcga	840
aacaagctct	acaaccagtc	caagcaaaat	ctggactttt	tcgttcgctt	tgtgaacttg	900
cttctaaacg	acgtgacata	tgtgcttgat	gaatcctttg	gcgcattcat	cacgattcat	960
gatacccagg	tggagctcag	tcgcaatggg	aacaacatgg	atcctcagga	gcgtcaacaa	1020
aaagaggagc	atcttgcata	cgctcaacgg	aacgccaaat	cctacatgca	gttaacgaac	1080
gagacggtcg	ccatgctcaa	gttgtttacg	gaagcattgg	cagactcgtt	caccatgcct	1140
gaaatcgctc	agagattggc	agacatgctt	gattacaacc	tggatgccat	ggttggccca	1200
aagagctcca	gcttgcgagt	agacaatctg	caagagtacg	gtttcaaccc	gcgggctttg	1260
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gtcgcaaggg	acggacggtc	ctacaagccg	gcgaattttc	aaaaggcagg	ggagatcctc	1380
cgcaaattgg	cgctgaaatc	tccggaggag	ctccaacaat	gggaacagct	gcaggcgaag	1440
gtcagggcgg	ccaaggaggc	tgatgaacaa	gccgaggagg	atcttggcga	aattcctgat	1500
gaattcttgg	gtatgttcgg	cgaattactt	acgtggtga			1539

<210> 10339

<211> 372

<212> DNA

<213> A.fumigatus

<400> 10339

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aggctgatga	acaagccgag	gaggatcttg	gcgaaattcc	tgatgaattc	ttgggtatgt	120
tcggcgcaatt	acttacgtgg	tgatggccag	atagctgatg	ggttttctct	agatcccctg	180
atctatacct	tgatggaaga	tccagttatc	ctccctggat	ccaaggtatc	catggatcgt	240
tctactcttc	gatctcatct	tctgagtac	ccacatgata	cgttcaacag	agctccgctc	300
aagatggaag	atgtaacccc	tggtaagctc	ttgtcttttg	tctttcttaa	tcgtcgaaag	360
cgacgcggct	ga					372

<210> 10340

<211> 492

<212> DNA

<213> A.fumigatus

<400> 10340

caatcacagg	aatccaacag	cctcaatagg	agcatcgtag	gcgcattggag	cacgaactct	60
aaaccgcaaa	agtcagccga	accagcgcct	tctgaaagtg	cacctacgcc	tgcaccagtc	120
ccgacaaaga	gacgacagca	tggaggggaa	tctcaatcgt	ccaaacgacg	caaggccgac	180
gtgactgttg	atcgctcgcc	tccgacacat	gtgagccttg	cggatctggg	tggattggac	240
gacgtgattc	agagcttggg	agatctcttc	atcctgccaa	tgaccgcgtc	acaagttttt	300
gtgtcgtaaa	atgttcaacc	accccggtgg	gtgctattgc	atggaccgcc	agggttgcgg	360
aaaacaatga	tcgccaatgc	gttcgcagca	gaactaggcg	tcccattcat	cccgatattc	420
gctccttcga	ttgtatcggg	aatgtcggga	gagtcggaaa	atcttcacga	cgaggagcaa	480
gaaacgcgtc	aa					492

<210> 10341

<211> 396

<212> DNA

<213> A.fumigatus

<400> 10341

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cgtcagtatc	aaaaaagaat	cactgtcctc	acagaccgcg	agaccgccat	agcaaggga	120
tgctttgcgc	gagatgaccg	ccgacgtgct	ctgttggctc	ttcgctcgaa	gaaatatcaa	180

gaaacactcc	taagtaaaac	ggatgcgcag	ctggagcagc	tggaacatct	gacaagtcag	240
gtggaatttt	cgctgggtcca	gaaagatgtc	ctctttgggt	tgcaacaggg	aacaaaggtg	300
ctccaagcta	ttaacaagga	aatgggaggt	atcgaggctg	tcgagaagct	gatgggcgaa	360
actgaagaag	ccagggctta	ccaagaggta	aagtaa			396

<210> 10342

<211> 936

<212> DNA

<213> A.fumigatus

<400> 10342

gaatataccg	tgacccaagt	tagcaatcca	tccttgcttg	ccaccctgga	agcccttgac	60
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attgccctgg	atcgttacgc	ggcccttcgc	aatctgcctc	gcctcagcag	gatcatgcaa	180
ccagtcaagc	ccgacaacat	tatagcccg	ctcgcaaaga	tcctcgagag	cgtaccacgc	240
ccctttggca	aagacgggtc	ttggcacgcg	ctccagaccc	atcgcgcca	gtcgcttggg	300
gaggttggca	gaaatgtacc	gcaggtatgg	gagagagaag	gtcttgaatg	ccgcagggga	360
cattttctcg	gcccaggagt	caaacacctg	gacgagctgc	gccccggagg	caacctggag	420
ggcgagatac	tccacgcaga	tctcggcaat	cttctgcagc	agtgcctgcg	actcctttgg	480
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gtagcagagc	agagtccatg	gggcaccgca	gaagccaatc	agaggcacgc	ggcctttcaa	600
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gtggggtccc	ttcttgtcca	ccattttctac	ctgcattccc	atggcctgag	ggatgacaag	780
gatatccgaa	aatatgattg	cagcatcgat	caatcctgca	taccgatcca	cgggctggat	840
ggtcagcgtg	gatgcaatct	cggggttccg	gcagcattcg	aagaaatcgc	ggtttccttt	900
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<210> 10343

<211> 312

<212> DNA

<213> A.fumigatus

<400> 10343

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atattgaaac	tcatcacaat	ggaaacagac	gctggcttca	tcgccgcctt	ggaggaggca	180
aagaaaggcg	cgcgtgaagg	tggagtccct	atcggtgcag	ctctggtgtc	caaggatggc	240
aagattctcg	gccgtggaca	caatatgcgc	gttcagaaaag	gaagcgccac	cttgcattgt	300
agtcccaatt	ga					312

<210> 10344

<211> 333

<212> DNA

<213> A.fumigatus

<400> 10344

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gttaagcggg	ttgtcatcgg	ggagaacaag	aacttcattg	gcggcgagga	gtatcttcta	180
aatcggggta	aagaagttgt	agtgtctggat	aatgaagagt	gcaagcaact	gatggagaag	240
tttatcaagg	agaagccgga	gctttggtac	gtctttcagt	ctcaactctg	gtttttcttgc	300
ggcatcatcc	cgctgctact	ctcttgacgt	tga			333

<210> 10345

<211> 420

<212> DNA

<213> A.fumigatus

<400> 10345

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cctagcgaga	acagctcgat	agtagtgtct	gtcgatgcag	tacgggaggc	tgggtccaca	180
caagaatgga	gaacttctcc	ttcatcgccg	tcgaccctgg	ttgaggcttt	tcgcttgaag	240
ccagcgtctg	agggctctct	tgattgggag	cgcacatcag	aggcgatcac	tgcacagata	300
aattccgaag	gtacctccga	catatcgga	gacctcgatg	agaagcagaa	gaaggagtta	360
aacgattcgt	tgtatagttt	gggcaacctg	cggaagaaga	atatgggtga	agacgactaa	420

<210> 10346

<211> 1065

<212> DNA

<213> A.fumigatus

<400> 10346

ctcgatgctc	tagctggccg	ctacctcccc	gaataccatg	aagcgaaagg	aaaccgcat	60
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cggatgcag	gattgatcga	tgctgcaatc	atattttcgg	atatacctgt	catccctcag	180
gccatgggaa	tgcaggtaga	aatggtggac	aagaaggagc	cccacttccc	tgaacctctg	240
aagtgcgccg	acgatggaca	atacgagaag	gttatgcaga	aggaggtcaa	cgtgaaggag	300
gagctggact	atgtatacaa	ggccatcacg	cttaccgggc	acaagttgaa	aggccgcgtg	360
cctctgattg	gcttctgcgg	tgccccatgg	actctgctct	gctacatggg	tgaagggtgg	420
ggaaccaagc	tgtttgtgca	gtccaagatg	tggatctaca	agtatccaaa	ggagtgcgag	480
gcactgctgc	agaagattgc	cgagatctgc	gtggagtatc	tcgccctcca	ggttgccctc	540
ggggcgcagc	tcgtccaggt	gtttgactcc	tgggcccggag	aaatgtcccc	tgccgcattc	600
aagaccttct	ctctcccata	cctgcgggtac	atctctgcca	acctccccaa	gcgactggac	660
gcgatgggtc	tggagcgcgt	gccaatgacc	gtctttgcca	aaggggcgtg	gtacgctctc	720
gaggatcttt	gcgagtcggg	ctataatgtt	gtcgggcttg	actggttgca	tgatcctgct	780
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ggtggcaagc	agggatggat	tgctaacttg	ggtcacggta	tattctcatc	acttgtagca	960
acttcatcaa	ttcgagcgtc	aacggtaaca	ggtattactc	catttgtaga	acctgacgat	1020
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<210> 10347

<211> 432

<212> DNA

<213> A.fumigatus

<400> 10347

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tccgacgtct	cgcccgtgag	catggtgaaa	acatcgtcag	tgctcagcaa	ggcgaattgc	180
ttgcgcagtt	cttcatacgg	ctggtgcaac	tcggcccggg	tcgtttccag	cgtcgtctgc	240
ttccgctggg	tgaggttctt	ttccagctgt	tcggcatact	cttccaggat	taggtcgttg	300
acctgtcct	gcgcttcctc	ccggaagagc	ttccggacga	tagcgccagg	tccattctca	360
tcggtttctg	ccttgatgtc	ttcctcgtcc	agttccaagg	catcagctgc	catcttccgc	420
gcaatatcgt	ag					432

<210> 10348

<211> 2433

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (146)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10348

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ggcgaaacgc atcggcgcaa ggcgantggc aggtccttct ttgagcgtgt ccgcaatggc      180
aaggcttacg gtcttggtcg cgcgtttggc atcacggccg atgctttcgc gcagaatgcg      240
ctgaaggagg gccgtcgcca gtacactgag gatccggccg agcgcccgga ggagatggct      300
gatagcttca ttgacaacga cttctccaat gcttcccatg tgctcaaaac cgccaaggcc      360
ttgtttgcgg aggagatcgt gatgagtcct aagatgcgca aggtgatccg gcaagcatac      420
tataatgaacg ggcgagtcga ttgcttcggg actgaaaagg gtctccggag gattgacgaa      480
cagcaccctt actacgaatt caagtacctg agaaatcagc agctcagtga catcgcgctg      540
cagcccgaaac tttatcttcg gatgctaaag gctgaagaag agggctctgt ggaagtcaag      600
gttcgatttg agaatttcga tcacttcggg cagcgcctct acccgatat tgaatcgcat      660
aactacagtg aaatcgccga tgcttggaaat cgtaccgcc gtgaagtcct ggacatggcg      720
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gagaatcacg tggcgaaagga gtgtcgtgaa gctttctctc agcgcttggg tcaggctcct      840
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accggcattg tcggacgcga ccccatccac tgggcgtacg tcaagagga cggtcgcgtg      960
ttggaaaacg gcaagtttgt cgacttgtca attggtgacc gagatcgag cattcccgac      1020
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gtctcgggca tgtccccgga aaccgtaag ctgtacaagc ttctgaccga attggtcgag      1140
aagaaggatc ttcgcgggcg tacataacc gatgaacggg acgaagaaat cagcgacccc      1200
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gttgatatgg tcaacttggg gggggttgat atcaacgagg ccgtcaccga tcttgcgaca      1500
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gcagaaaccg atgagaatgg acctggcgct atcgtccgga agctcttcg ggatgaagcg      1860
caggacaggg tcaacgacct aatcctggaa gagtatgcgg aacagctgga aaagaacctc      1920
aaccagcgga agcgagcgac gctggaaacg atccgggccc agttgcaaca gccgtatgaa      1980
gaactgcgca agcaattcgc cttgctgagc actgacgatg ttttcacat gctcacgggc      2040
gagacgtcgg acaccctggc cgagggcatg gtagtcccca tctcgatcaa gcgcacacg      2100
gatgaccaca ttgacggcaa gctcgattgc ggcgttgacg tgctgggtgcc agagtccggg      2160
cttaccgatc gctacgacat ccccgtagcg gctctctact cactacacca gacgcttcca      2220
gccaaggtgc tgttcttaaa caagaagaac ttcttgtgca atgtttcgct acgcgaggag      2280
caagtcagtc gaccaacgcc cagacctcgc gaccatatgc gtgggggaatg ggacgatcga      2340
caggaggcaa aggaccggga gatgctgcag gagaagacgc agagtggcgg gcgcgtcagt      2400
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<210> 10349

<211> 204

<212> DNA

<213> A.fumigatus

<400> 10349

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tgccgccccg gttacgactc gctaattggac gcatttcggtt ccgccgccag agagtcctat	120
gtcaattcga attaccagtc gctgctcggt atgcaagcac cgcaactaga gcaacgactc	180
cggccgcctc tattgaacag atga	204

<210> 10350

<211> 381

<212> DNA

<213> A.fumigatus

<400> 10350

cgctctactc aggtcaccat gttgtctgcg catgaatttg accagaagcc taatcaggtt	60
tcgatctcac cctccttca gaaactcgcc taccctacta cacagggtcc tggtgatccc	120
gccgaaatcg cttcagcatt tgcattgatc tttgaagatc gtctatcggc catccagacg	180
gocgtctttt taactctttt gcattctact ggaaaagatc gagatgcaca ggtcattgca	240
ttatgttcac ttgcgatgag agaggcagct agccagatcg agaagagctc tttgcaaaaa	300
gccatcaaag ctgctgggaa gaaggaagga aactatggag gcggcttggg gagtgaatcg	360
aaaccagagc cgatagcttg a	381

<210> 10351

<211> 996

<212> DNA

<213> A.fumigatus

<400> 10351

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atgatggcca agcacggcaa ccgcgcacaa acttcattct ctggctctgc cgacgtcctg	180
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tacgccaacc cagtgcgtcg gggcttgggc ctgcgaacta tcttcaatct aatgggcca	360
ttggcaaac ccggtcgactg ggcgctggaa ggcgagagtgg tcggtgtggc ttatcagagc	420
ctgggccccg tggtcgctga agccttgcgc tccagtgggg tgacgaaggc ccttgttgtc	480
tgtggtgctg aggacctgga tgaaatcagt tgcgcgggtc caacaaactg ctggaaactt	540
acgggatacc ccaatcccga ctacgacggc cctgatgagg actgctcctg tgacgaggac	600
gaaaatattc cccggacttt ggtcaagata gaaaccttc agcttcaccc gtctgatttt	660
ggtctgcccg cacatcctct aagcgcagtc tatggtagaa agatgccgaa agaaaacgca	720
gccaaagatca tgagtatctt gcgaaacgag ctgcctccgg atgatcccat ccttacattc	780
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aacatggggc ctggtgatga tggcaagggtg attaccgaac gtggtccggg cgggtggtcg	900
tgggaaggagg gtgttcgacg agcaagatgg gccgtcgaaa gcggttcggc acttaaatgc	960
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<210> 10352

<211> 573

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (66)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10352

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agacgactag gttggcgggg aaagaggggg aactcaccac cgaggaggcc gaagagggcg	180

ccgcccagagt	tggaattgga	gttggtggcg	gcggtaccgc	tggtgcttgc	ttcagcgttg	240
gaaccgggtgg	tgcttgagcc	cagcccgttg	agaccgctga	gtccgccgag	tcgctgaga	300
ccgctgagtc	cgctcagtc	gctcagtc	gaaagaccag	aggcgccgga	ggagccggag	360
ctaccagac	tacctagact	gccagggccg	gggatggagg	taggcaaggt	gaatcccga	420
agactgaagc	cgcttccaga	ggaggagccg	cctagaccgg	ggatgagcga	ggccaaggca	480
ccaagaccag	acgagggtgga	agagccacca	ccgcctaagg	tagggaagag	agaggccaga	540
gcaccgagtc	catcagtgcc	ggtgccgaac	tga			573

<210> 10353

<211> 267

<212> DNA

<213> A.fumigatus

<400> 10353

agtagaagaa	gatatctctc	aataaagcag	caggttccat	gccaatcagt	gtcagtcggt	60
gaaagctata	caacacattt	gaatcgtggc	agctccgc	ctccatgcc	gaatattgta	120
catctcaagc	atgatctatc	acctgttgtc	ggcgacttgt	cagccgcgcc	atctcccaga	180
tcccatttta	gaaacctcac	cattttcgag	tcacgatccc	atctagtcta	ctccgtactc	240
catagacttg	atcaacatcc	aagttga				267

<210> 10354

<211> 822

<212> DNA

<213> A.fumigatus

<400> 10354

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gctaattctc	tcatctacgt	catcactaaa	ccccaaagatg	tcgctgaggc	gtaccgcaac	120
accgacactc	tctccttcaa	cgagtttggtg	caagccatga	tgcgcgctg	cggaacacc	180
gagtcgtgtg	tcaagacaat	gtacaagcct	ctgccaaagg	acaagcccgg	gttccccaat	240
ccgcatggca	aaccgctggc	gacgctggcc	cgccagatgc	acatccacca	attatatccg	300
ggggataatc	tggacttcc	ggagaagcag	ttcttggaact	gggtggaacc	tcggctgacc	360
ctggacgcgc	tcagacgcga	atgtccatat	gcatccaga	gtggtccg	agcggtagc	420
aaggacgatg	gtatcgtctt	gccattgatg	cagtgggtg	ctgattattt	caccagggcc	480
ggccagcggg	cgtatttttg	gccggcactg	gacgggattg	atcccaagct	gccgcagaca	540
ttcattgttt	ttgacgagct	gagctggcag	gttctgtatc	agtatcccga	gtttctggcg	600
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ccgaggagt	cgaggcaggg	ggatgcctgg	ttcacaagg	caatggagaa	cgagatgcgt	720
gccctgggaa	tcagcgagga	tgacattgcg	actatgctgg	tgacaatcta	ctgggggtac	780
ggccctgcca	tcttacttac	ggatagcatc	gaggcaagct	ga		822

<210> 10355

<211> 615

<212> DNA

<213> A.fumigatus

<400> 10355

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cactacggtc	ctgagcacta	cgtcgacatc	atccggcaag	agacgctccc	ggcctttttc	120
cctgacaagt	ccatccccga	cctgaactac	ctacacgaca	actgccccca	cctggacgcc	180
atgtggaacg	aaacgatccg	tctctccg	tactctgcct	ccgtgcgctt	cgttacgtcc	240
gacaccatta	tcggcggtaa	gatactgcgc	aagggaaacc	ggctgatgat	cccctaccgg	300
caactgcact	ttgacgagag	tattttcggc	gtagactacc	ccgtggagga	gttccgacac	360
gagcggttca	tgcagaagg	ccgcaatctg	acccggagcg	acaactggcg	accgttcggg	420
ggtgggacga	cgcagtgtcc	aggtcgatat	gtcgccaagc	ggtttgtgtt	gctgtttgtt	480
gcgatgctct	tgccggcggtt	tgatgtggag	ctggtgacga	cgaggatccc	cgcggctgag	540

gaagggaagc ctgtgctggg gattatgtca attaaggatg gagaggatgt gctgggtgaga 600
gtgagaccga ggtaa 615

<210> 10356

<211> 672

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (603)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10356

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ctcggtgctc	tggectctct	cttccctacc	ttaggcgggtg	gtggctcttc	cacctcgtct	180
ggtcttggtg	ccttggcctc	gtcatcccc	ggtctaggcg	gctcctcctc	tggaagcggc	240
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ctcagcgggtc	tcagcggact	cggcggactc	agcgggtctca	acgggctggg	ctcaagcacc	420
accggttcca	acgctgaagc	aagcaccagc	ggtaccgccc	ccaccaactc	caattccaac	480
tcgggcggcg	ccctcttcgg	cctcctcggt	ggtgagttcc	ccctctttcc	ccgccaacct	540
agtcgtctgc	taagatactc	agaccatggt	gctaaacggc	gccttctaag	atccatgacc	600
ganaacgggg	tcaagaccaa	agaccctgc	caccctcac	ctttatcttc	ccccgtggga	660
cctccgaact	aa					672

<210> 10357

<211> 2313

<212> DNA

<213> A.fumigatus

<400> 10357

ggtataaccg	actcatcttt	tctgagcatc	gggtattcag	gcgtgtcact	gttcgtttcc	60
cctaacatgc	acattgtggc	ggtggtaatg	ttaagaaata	atgtgatccc	aggttgccat	120
gtcatggaaa	aggaatcttt	catgtcgcaa	gaagtagcct	cattgctgaa	cgaatcgttt	180
atcccatcaa	aagtcgacag	agaagagaga	cctgatatcg	acgacgttta	tatgaattac	240
gttcaagcca	ccaccggctc	tggcggctgg	ccattgagtg	tatttttgac	accaaacctt	300
gagcctgtgt	tcgggtggc	gtattggcct	ggcccgaact	catcaacctt	ctccagacag	360
gacacagttg	gattcgtgga	tatcctggag	aaactccgag	atgtttggaa	gactcagcag	420
caacgatgcc	tcgatagtgc	gaaagagatc	acgcgacaac	tgagggagtt	tgccgaggaa	480
ggaacacatt	cccaacaagg	cgatcggcag	gcgggtgagg	atctggacat	tgagcttctg	540
gaggaggcat	atcagcattt	cgcttcgcga	tatgataccg	taaacggagg	cttttcccgg	600
gcgcccaggt	ttcccacgcc	tgccaattta	agcttcctcc	tgcgccctaaa	gacataacca	660
agtgtctgtg	cggacattgt	aggacaagag	gagtgtgaca	gggcagctgc	catggcagtg	720
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gctcagcttc	tggtatgtata	cgctcgacgc	ttcaaaatta	cgcataaacc	tgaactcttg	900
ggtgctgtat	atgaccttgc	cacatatctc	accaccgccc	caattcagtc	gctgtgggt	960
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gaagggtgct	tttatgtatg	gactttgaag	gaactcacac	aagttctcgg	ccagcgagat	1080
gctggtgtct	gtgctcgaca	ctggggagtg	ctaccagatg	gtaatatgtc	ccccgaacac	1140
gatccacacg	atgaattcat	gaatcaaaac	gtgctttcca	tcaaggtcac	tccgagcaag	1200
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cagaaactac	gtgaataccg	tgagaagacg	cgggtacgtc	ctgatttgga	tgacaagggt	1320
attgtggctt	ggaatgggct	tgcaatcggc	gcgctcgcta	aatgcagtg	cttgttcgag	1380

gaaatcgaaa	gctcaaaggg	tgtgcagtgt	cgcgaggcag	cagcacgagc	aatcaacttc	1440
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agcaggggag	aaacacctgg	ctttgcagac	gactacgctt	atctcatcca	cggtctgttg	1560
gatatgtacg	aagctactta	cgacgacagt	tacctacaat	ttgcggagca	gctgcagagt	1620
atgttccatg	atcgcggtc	atttggtcga	actatactaa	cgcaagcaga	atatctcaat	1680
gataacttcc	ttgcctacgt	aggctcgacg	ccggcgggct	actacagcac	accttccacc	1740
atgacaccgg	gcatgccggg	tccacttctt	cgtctgaaaa	ctggaaccga	gtcagctaca	1800
ccatccatca	atggagtcac	cgctcgtaac	ctgtttctgc	tctcggcact	gttagaggaa	1860
aaagagttcc	gtaccctggc	ccgccagaca	tgctctctct	tctccttaga	gatcctgcag	1920
catcctttcc	tgttctgcgg	tctccttgat	gtcattgtcg	gactccagcc	gacaccccg	1980
agcgtaacgg	gggtcttctg	cactgcaaat	cttcctcaga	gcgttacttt	agaagggact	2040
gatagactca	ttaataagcc	agaggagcct	gtgtctgtac	gggatatgat	tatcaaaaag	2100
atccggagcg	aggctgggtc	gacgatggtc	acttcggcta	cggtaacatc	actagtcgac	2160
atcaggccat	cccattcttg	tgactttgtt	ggcaaccaat	ctttctgggt	caggactcgg	2220
aacccgcttc	tcaaagagct	caagccatcg	gggacgggtg	agaattattt	gatggtctgc	2280
gagagcggca	gatgcacgat	ggttgacgtc	taa			2313

<210> 10358

<211> 426

<212> DNA

<213> A.fumigatus

<400> 10358

gcgcattg	acatatgtat	ctccctgtat	caaaagtctg	tccctcttac	gaagttgatg	60
ctgggtct	gtagacctcg	actcaaagca	cgccctctct	tgctggacct	gattgccagt	120
cgcggtct	ttgatctgtc	cgaatctaag	cgctcatcac	cgcccgcaac	agacgaactg	180
ccaccgctcc	ccgtttcgcc	cacttcaacg	acctctagct	ccagtagcag	caatagcaac	240
atcgagctcg	cctcatcccc	gccctcttca	tctatacaca	caccagttgt	acgaataatg	300
gctccttctg	gtaaggacaa	gactgggtgag	gaccagcatg	gcatcatttt	ctccatatct	360
ggccctgtcg	tggtggccga	gcacatgac	ggctgtgcca	tgtatgagct	ggtagggtcat	420
tattga						426

<210> 10359

<211> 804

<212> DNA

<213> A.fumigatus

<400> 10359

ggctaccatt	caggtatacg	aggagacagg	tacagctccg	catctacact	gggacgaact	60
gttactggca	actatgactc	taacgttttc	ctctttccacc	ctctagctgg	tctaacgggt	120
ggtgatcctg	ttatgcgtac	gggcaagcct	ctctcggtcg	agcttggtcc	tggtctgttg	180
gaaacaatct	atgatggtat	tcagcgacct	ctgaaggaga	tcgctgctca	ttcgaagggc	240
atctacattc	cccagaggtat	tgcatggaat	gctttggatc	gcaaaaagaa	gtgggacttt	300
aaacccggca	agtttaaggt	cggcgaccac	atcacccgtg	gtgacatttg	gggcaccgtc	360
tttgaaaata	gcttggttcaa	cgaccacaag	attctacttc	ccccgcgcgc	tagagggtacc	420
attacccgga	tagctcctgc	tggccaatac	accgttgaag	agaagctcct	ggagattgaa	480
ttcaacggtc	agaagtcgga	acatggtatg	atgcaactct	ggcctgttcg	tgtgcccagg	540
ccggtcaacg	agaagctgcc	gtccgatg	cccttcacgc	tcggccagag	agtgtcggac	600
tctttgttcc	ctagtgtaca	aggaggtact	gtttgtatcc	cgggagcttt	tggttgcgga	660
aagactgtca	tttctcagag	tgtctccaaa	ttttccaaaca	gtgatcatcat	tgtatatgtc	720
ggttgtggtg	agcggggtaa	cgagatggcg	gaagttctga	tggatttccc	agaggtacgg	780
gactcgagac	ctctgttaag	atga				804

<210> 10360

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10360

ctgactggaa	ttcttttgct	acttcagtgc	agagtcggac	acgatcagtt	ggttggtgag	60
gtcattcgac	tcgatggaga	taaggctacc	attcaggat	acgaggagac	aggtacagct	120
cgcacatctac	actgggacga	actgttactg	gcaactatga	ctctaacggt	ttcctctttc	180
accctctag						189

<210> 10361

<211> 246

<212> DNA

<213> A.fumigatus

<400> 10361

ctgtccatcg	atgttgaagg	tcgcaaagag	cccatcatga	agcgtacatg	cctgatcgcc	60
aacacatcga	acatgcctgt	cgccgcccgt	gaagcttcca	tttacaccgg	tatcacgac	120
gccgaatact	tccgtgacca	gggaaagaac	gtggctatga	tggcggactc	ttcctctcgc	180
tgggccgagg	ctttgcgtga	actttctggt	cgtctgggga	aagattgctg	ccataccagg	240
gtttcc						246

<210> 10362

<211> 843

<212> DNA

<213> A.fumigatus

<400> 10362

atcatctgcc	gaatccggaa	tttacacagg	acgggaagga	tgttccccca	ggcacgatct	60
caagtcgagc	tcttccacca	tgttctggaa	acagccaccg	ttaaaccatgt	tcgttccatt	120
caccaccgcg	tgatcgctac	gccaacgac	atatatgcgg	agagtcgcaa	ttctttctac	180
gtgactaatg	atcattacta	ccgcgagggg	tatggacgtc	tgattgagga	tcttatcccg	240
gcagccaagt	ggtcgagcat	cgttcacgta	ctgatccaag	atttgaagtc	caaggacgcc	300
gacaagggca	tcgatgccac	ggtggccttg	accgggttac	acaacaataa	cggactcggg	360
catggtagat	ctaaggacga	gatgctcgtc	gtcagttgta	tgagcgggac	tctgtatcgc	420
gctcgctcga	acagtgcaca	ccgcacgata	tctgtcttcg	atgagattca	tccagggtggc	480
caaactgcga	atcccactta	ctacgcggac	cctgaccgta	ctgctgcaga	cgacgccagt	540
ggctacattc	tggcgggaat	ggcacgtccg	attgatctgt	ctaaacatta	caatgatccc	600
aatgctaaag	atggggccat	tgtatggtac	gtgcggccta	aaactggcac	gagtgagagt	660
ggagatcaat	ttacagaatg	ggagtcgagt	gttctcttcg	aggatgatgg	cactctcatt	720
cggactgcta	gcaccgggct	cttggttccc	agcgaaacaa	aacctgggga	gagaaagaag	780
gcatggttgt	ttgtgaccgg	attcgtctcg	gagagtgtta	ttgcgcgttg	ggtcgacctc	840
tga						843

<210> 10363

<211> 339

<212> DNA

<213> A.fumigatus

<400> 10363

ctgatcttcc	agtectacgg	tggacactat	ggccccgaat	tcgcgtcgta	tattcaggag	60
caaaacgccg	ccatcaaagc	cggaacggta	tctggcgaaa	atatcaacct	ggtcgcactg	120
ggagtcaaca	acggctggac	cgactcggcc	atccaagaaa	aggcgtatat	cgagtacagc	180
tacaacaaca	cctacaaaca	gcttatcaac	tcgtccgac	gcacgcgtct	gctgagcgtc	240
tacaacagcc	aatgtctgcc	agcgatccag	aaatgcgcca	agacaggcac	caacgccgac	300
tgcagaaatg	ccgacagcgt	ctgctactcc	aataattga			339

<210> 10364

<211> 312
 <212> DNA
 <213> A.fumigatus

<400> 10364
 agtagaatttt ggtctccgag gttaacaatg tgggtgtcaaa agtgggttatt cgctttcttg 60
 gtagcagggg ccagcgctgc cccggccagc acggccaaag acagtatctc gtcagttggt 120
 aagaatggcg tcaagtatac tgtctttgaa cacgctgcga ccggcgccag gatggagttt 180
 gtcaagaact cggggatctg tgagactact cctgggggtga atcagtactc tggatatctc 240
 tccgtcgggg ataacatgaa catgtggttc tggatatgtcc tgcacaacag catgactaca 300
 tgcagagcct aa 312

<210> 10365
 <211> 1011
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (447)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10365
 tatggacagg gaaaaatggg gcttcaccgc cagggcaagt ggccgaaagg gaagatgccg 60
 aaagcggatg caggagttcc cgaatcccta tattcgagga gggagggaaac ctcccaaacc 120
 ttggggccgga ggacctggtg gtcccattgg gggatttttg tggggaaaaa cggccttgca 180
 gcggtctgtt ggaaccctaa cgtgtatggg caaggtctca aggattggct gcagtgccgg 240
 accatatata tcatgaggca gttcagtttt aggggtgggg ctggggacgc agaattggtt 300
 cctggcgctg gtggcggcaa caacgcgct tgtatggaag ctgcgagaa ggaactgggc 360
 aatgatgcat tgctcagcag tacagtgggt agcatggagc gtcccgcaga ccgtttgcat 420
 cggatccctg tccgaactcc aactggn tac aactgatca gagcgaaaaa gaccatcata 480
 actactccgc cgaaggtgga aaactggtg aatttcgatc tagacgatac cgagcgtggc 540
 gtctttgggc agttcgaaaa cgccttctac tacaccactg tggtcagagt cgctgggtcta 600
 ccagccggac ttgacattat caaccgcgct gctgacacgc cgtacaatat ccctcatctg 660
 ccgggagtg acgccatgct gccgtctcgc gtcccagaca tctacacgat cttctatggt 720
 ggcggggagg ccaagaccga ggacgagtg aagaagagca tccgagacgg tgtgatgatg 780
 ttacgtgaag cgcaattcac cccctccgag cctgagatcc tggccatcag caaccacagt 840
 ccattcgcct tgttcgtttc ggccgaccaa atcgcgaagg gcttctatag ggatctctat 900
 gcgttgacag gacagcggaa cacgtactat accggcgctg cgttccatac gcatgactct 960
 gctgccgtct ggagctttac agacaatttg ttgacgacta tgtttgcttg a 1011

<210> 10366
 <211> 729
 <212> DNA
 <213> A.fumigatus

<400> 10366
 ctacatgcag agcetaacct gtgcaggttc ttcgaggccc gaaacaaccc caaacaggct 60
 cccctcgtcg cctgggttcaa cgggtggccc ggttgctcct ccatgatcgg tctgttccag 120
 gagaacggcc cttgccactt tgtcaacggc gaagataccc cctcgctgaa caagtacagc 180
 tggacaacat acgccaacat gctgtatatt gaccagccca tcggcgtggg gttctcctac 240
 ggcacaaacg acgtaaccag cacggagact gctgctccct atgtgtggaa gttgctgcag 300
 gccttttatg cacagttccc ggaatacagag agccgtgact ttggcatctt caccgaggta 360
 ggtcccgtct ctgaccttgc aatagcagaa atagctgata ttccagtcct acggtggaca 420
 ctatggcccc gaattcgcgt cgtatattca ggagcaaaac gccgccatca aagccggaac 480
 ggtatctggc gaaaaatatca acctggtcgc actgggagtc aacaacggct ggaccgactc 540

ggccatccaa	gaaaaggcgt	atatcgagta	cagctacaac	aacacctaca	aacagcttat	600
caactcgtcc	gategcacgc	gtctgctgag	cgtctacaac	agccaatgtc	tgccagcgat	660
ccagaaatgc	gccaagacag	gcaccaacgc	cgactgcaga	aatgccgaca	gcgtctgcta	720
ctccaataa						729

<210> 10367
 <211> 264
 <212> DNA
 <213> A.fumigatus

<400> 10367						
gcaatattct	gcattcatcg	ctggatatct	gtattctgct	tgcaccaggt	ggcgaacgta	60
ggttgccctaa	gaagtcgact	gcaacgaact	aagcaggata	ttcggcctat	gtggttcact	120
aacttctttt	gtatagtagc	tgctcgtcgt	tttctgtttc	taatactact	aacaatatcg	180
tactactact	tcaggagcag	gattatcaat	aacactctga	tactagataa	gctgtgcgca	240
actagcaact	atcgtccccct	atga				264

<210> 10368
 <211> 1002
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (229)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10368						
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gacggcgctt	cggtcaccag	tttgcattac	agcattcgcc	atccgttccc	tccggctgta	120
gggggagtg	tgattcaacc	cgggccgctg	cctgactgct	ccttggtctca	gctaaccgag	180
gaagtactcc	agagccgact	gcattccggt	ctgaaggagc	tgcagctgnt	agatgaactt	240
cacgaaaccc	aacccttgga	cttttggttg	ctcattcggt	cgatttcagg	aacgctgggc	300
cacgctgacc	aggcactgac	cgcggccatg	tccgagcgaa	tggccacact	ggtccgcca	360
cgtcgggtct	ggggcaggcc	ggcgagcctg	gtacattctg	gagagatcag	cggcattgac	420
atccctgctg	acggggcccg	tccctggttg	ggtccgaccg	ctgtaaccca	gcgggatatt	480
gacgaagtac	tcagcgaagc	agtcctttgc	ggaggtccaa	attccttcgc	tcgcagcgcc	540
gagttcatcg	tgggccttcg	gcattcagagc	ttgcagactg	gtcgcattgg	gggtccagtg	600
ccaaaattgt	ggccggttcta	ctcttacaca	gccactgcga	gtcagggtca	gaagcctcca	660
tcattgcctg	agcgacgtca	gtcagctaag	gatctcgttg	ccgcggcgac	cagccgggag	720
gaaaaggctg	aggcaatcgc	ggcctgcctc	atggagaaga	tccgagccag	actgaagctg	780
aatgcagatg	caccgctgtc	ctctgacacg	ctgatttcgg	agcttggggg	tgactcgttt	840
gtcgtcttag	aactacgcag	gtgggtttgca	aaacaattgg	ctgtcgacat	gtcgattgtg	900
ttgattctca	gtggtgcatt	tgtggggcga	ttggcaaatg	cagccgcctc	aaagctttgc	960
aatggcaaca	gcgaactttg	tactagtagt	aatttagtgt	ag		1002

<210> 10369
 <211> 369
 <212> DNA
 <213> A.fumigatus

<400> 10369						
cgtttttctgt	gcagatcccc	atcgccgcct	ccgcagtagc	ataacttttg	cagacgtgta	60
aactactagag	aataccgtta	ccgcaagcgt	ctcgaggacg	agcgccacaa	gcttgctcag	120
aaggccatga	aaaccattcc	taactaccac	ccgcctcttg	actacaggcg	cccaaccaag	180
accaggaaa	aggtctatgt	tccagtgaat	gactatccag	agattaactt	cagtatgata	240

actaaccctc taactcctaa ccgttcctgc attgtgtcgt tcttggtctc ctgctcgagt 300
 cgggcccgtg agacatcgcc ttatgatgat gtgtcaaagg ctgcttcct gctaaccctt 360
 gctacttga 369

<210> 10370

<211> 585

<212> DNA

<213> A.fumigatus

<400> 10370

aacagtaagt ctatgtgcc tcaactggac ggatcttcag acactaacga ggataaccag 60
 gctgcctcga ttcccgagg ccagaacgaa ctcaagagaa accagttgcg agagttggct 120
 gctctcaacg gtacctccg tgatgatgag aatcaggctt gtcagaactg taagtttttc 180
 cataaagctc tcctcgttga attgcttata ctaactcgcg caggtggcca aattggacat 240
 cgcaagtacg attgtcccga gcagcggaaac tttaccgcca acatcatctg tcgctctgt 300
 ggcaatgctg gccatatggc tcgtgattgt cctgaccgcc agagaggttc cgactggcgg 360
 aatggcggcg gttatggcgg tggcgcgaga gccatcgggc aaggcgatgc tgtcgaccgt 420
 gagatggagg tgagttccat gtggtttctc aagtatcgac ctacaaatgc tgattggtac 480
 agcaacttat gcaagaattg tccggtggtg ctccaggccc agacggccag cctcctcgcc 540
 ggatcgaggc tgggtcccgat cacggttacg atgatcgtga cgtga 585

<210> 10371

<211> 525

<212> DNA

<213> A.fumigatus

<400> 10371

cccttgctac ttgactacct tgcttccatt gctttgctct ccttgaataa ccatcatgaa 60
 ctaacactta gctctttgct accttttaaa gttggcttac tcataggtec tcgtggaat 120
 accttgaaga agatggaggc cgaatctggt gccaaagattg ccattcgagg caaaggctcc 180
 gtcaaagaag gaaaaggccg atctgacgcc gctcacgcta gtaaccagga agaagacctc 240
 cattgtctga tcatggcaga taccgaagag aagggttaaca aggccaaaga gcttgtgcac 300
 aatgttattg aaacagtaag tctatgtgcc ctcaacttga cggatcttca gacactaacg 360
 aggataacca ggctgectcg attcccgaag gccagaacga actcaagaga aaccagttgc 420
 gagagttggc tgctctcaac ggtaccctcc gtgatgatga gaatcaggct tgtcagaact 480
 gtaagttttt ccataaagct ctccctcgtg aattgcttat actaa 525

<210> 10372

<211> 504

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (33)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10372

gccgtcggcg gtttggagggt gaaaatggcc canaagaaga gagtgcgacg gcgacgcctg 60
 catctgtcgg cggagataat gggatcaagc gtggcagaaa ccagttcga ggtacgtctt 120
 tgctgtgtt gtatcatttt caatcgatctt attaaccttct cttctttcac agcggacccc 180
 cctgctgatg gtgtcaagag gcgcaagaag cgcaaccgtt ggggtgatgc tcaggagaac 240
 aaggctgcog gtctcatggg tttggccacg atgatcatgg caaacttcac caatgaacag 300
 cttgaggctt atacactgca tcttcgtatt gaggagatca gccagaagct ccgcatcaac 360
 gatgttgtcc ctgcggatgg tgataggttc gtcttcgtcc cgctttcttc tttttttttt 420
 tttttttttt tttttttttt tctctttcgc cgggagctaa cgttttctgt gcagatcccc 480

atcgccgcct ccgcagtagc ataa

504

<210> 10373

<211> 591

<212> DNA

<213> A.fumigatus

<400> 10373

ttggtacagc	aacttatgca	agaattgtcc	ggtggtgctc	caggcccaga	cggccagcct	60
cctcgccgga	tcgaggctgg	tcccgatcac	ggttacgatg	atcgtgacgt	gaagccatgg	120
cagcgccgac	ctcctcccag	cgatgtggct	ccatggcagc	agagagggcg	ggacaaccgc	180
tctcgcgacg	actatggctc	gcgcgatcag	ggcagtgcac	ccccgtgggc	ggcgcagagc	240
cgtgggtggcg	attatggata	cggatcgcat	gcagggtggct	acggcgcccc	tggtgctggt	300
gctgctacta	gtggcgctgc	tccttggcac	cagcaagctc	cgctccgcc	acccggcgga	360
gcaagtgctt	atgggtatgg	ggcttatccc	ggttatggcg	cagctgtgcc	tggtatgggc	420
gccccagggtg	ctcctcccgg	tttgagtgtt	ccaccgcctc	cgcccgcat	gccttccatg	480
tattacggct	ctggcagccc	tccaccacct	ccccctggtg	aaggaccccc	gcctcctgta	540
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<210> 10374

<211> 198

<212> DNA

<213> A.fumigatus

<400> 10374

cggtgcagat	gggtggacac	gcctatgata	catcggtcga	tcgagagcgg	cactcttgac	60
tcgcaatttg	cgatgattcc	tctgggccgt	cctgcagtgg	cggacgagat	tgcccatgcg	120
attctatttc	tcgcttcgcc	catgagcagc	tacatgtgtg	gagaagcaat	ggtggtagat	180
ggagggttgt	cagcataa					198

<210> 10375

<211> 687

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10375

ccacagagca	atggcatgcn	tggtgtcccc	ggcctttgga	cccctgagca	ggccgcgggc	60
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cacgcaggtc	gtgccaccat	cccgcagatg	acaggctcgc	cgccgggtctc	agcctccgcc	180
acagtctggg	actccccgac	agaatgctac	tctcaccctc	ctgtgggatc	caccgagccg	240
gtgcggtacg	cggaccatcc	gcccacagag	ctcaccatcc	cgcactctgaa	gcagaccatc	300
cgcgattact	gcaatgcggc	caagaccgcc	atggagattg	gcttcgacgg	tgtcgagctg	360
cacgcggggca	atggctatct	acccgagcag	tttctgagct	ccaacgtcaa	caagcgcacg	420
gatgagtagc	gtggctcgcc	ggagaagcgc	tgccggtttg	tctcgccctt	gatggatgag	480
ttggcgggcca	ccgtgggcga	agacaatctg	gctatccgtc	tctcgccctt	tggactgttc	540
aaccaggcgc	gcggcgagca	gcgagtggag	acctggacgt	tcctctgcga	atcgctgaag	600
aaggcgcac	ccaatctgtc	gtatgtcagt	ttcattgaac	cggtgagttt	tccttacaac	660
tacaaccct	ggttgccaca	gctctaa				687

<210> 10376

<211> 345

<212> DNA

<213> *A.fumigatus*

<400> 10376

cctgtccagc	gctatgagca	aatcttcagc	tacgaggaaa	aggacaactt	cctccgcagt	60
tggggactgt	ccgacgttga	tctgagcagc	ttccgcaaga	tttttggaac	tactcccttc	120
ttctcggccg	gaggctggga	ccagagcaat	tcgtggggcg	tgctggaaga	aggtcggtac	180
gacgcgtgc	tgtacggacg	ctacttcacc	agcaaccccg	atctggtcga	gcggttgagg	240
aagggcatcc	cgtttacgcc	gtacgatcgt	tcgcgcttct	atggcccgtt	tgaggataat	300
gcgaaatgct	acgtggatta	ttccccggct	actgcttcct	cttaa		345

<210> 10377

<211> 312

<212> DNA

<213> *A.fumigatus*

<400> 10377

cggtttaggt	ggcccgaacca	gagcagcagc	accgccaaaga	tgaccatccg	caagctcgac	60
ggcgaggagt	cgatgctctt	ccagccactg	gagatcgcaa	acggcaggat	tcgcctttcg	120
catcggttgg	tccatgctcc	catgacgcgc	aaccggggcg	ttccgctcaa	tcccaccagc	180
accccagagc	agcccaaccg	tatctggtat	cccggcgatc	tcatggtcca	gtactatcgc	240
cagcgcgcca	ccccaggcgg	attgatcacc	tccgagggtg	ttccgccgtc	gttgagggtt	300
ggtacctttt	ga					312

<210> 10378

<211> 210

<212> DNA

<213> *A.fumigatus*

<400> 10378

ccacagtgtc	ttcttccagt	ccggcgggtca	gtaagcctcg	ctgcgcgggt	tcctgcggtat	60
ctgtctaaagt	tcagcttcct	cttcacgcgc	atcaccctcc	tccgccgcct	ggctctcgtc	120
gtcaccacaga	acaactgtat	tcctgttttg	tttggaacg	gacaagaatc	ccagctggaa	180
ttgactcggc	tgagcgaaaag	cagtcattga				210

<210> 10379

<211> 666

<212> DNA

<213> *A.fumigatus*

<400> 10379

acgtttctggc	gtgcgctgca	ctgcgctaag	tcagctgcga	tgctctccgg	cagcgaggac	60
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tacgcctccg	gaaataacga	aaacttgaat	gaagacgcag	actacagcat	gataatgtcc	180
taccccgccg	aagaagagga	ctactacgcc	ttgctaggcc	tccgccggac	tcccaccctt	240
agcgacgcgg	agatccgctc	cgcgtagcgt	aatctcacgc	tcagcttcca	cccggataag	300
cagcctgcgg	agctgcggga	ggctgcggag	cgacacttcg	cgcgaaatcca	ggaggcttat	360
gagacgctgc	tggacccgaa	gaaacgggtt	gtatatgata	tccttggggc	ggaggggggtg	420
cggagggagt	ggggagctgg	aggggcgatg	ggaaggggtg	gggaggcgga	gagtcagatt	480
ggcgtgagag	cccagactcc	ggaggagtgt	cgggggtggt	tcttgagagc	gatgaagaag	540
cgggagagga	aggtgctgaa	tagtttggtc	cagagtaggg	tgggttcttt	cccccttgct	600
gccttgctca	gattgttgcg	tgatatcgta	ctgactgtgc	cgtggaacgg	taacagggct	660
cgctga						666

<210> 10380

<211> 399

<212> DNA

<213> A.fumigatus

<400> 10380

cagggctcgc	tgaccctcgg	cgtcgatgcg	tccaacatga	ttgaggttga	cgagaatgcc	60
ggggaggtgt	atatccatat	tccctctccc	agtctgtctt	cctacgctat	cagatactcg	120
ttcaaggcgc	cgcttcctac	gccgaaagtt	ctcttcggaa	aagaagcggg	tgaggaggac	180
gacgaggacg	aagcccctga	tggcagatcg	accagcaga	aagtcaattc	atatcaagag	240
gctcaagggc	ctgagattac	gttcaatgca	ggtatctctg	gcaatctccg	gcgctctttt	300
cgtaagatgc	aattccagtt	tgaagatggg	gagacgatga	cgcgagcggg	atgttcggag	360
atgtactgtc	atccgcaacc	atgccggact	gttccttaa			399

<210> 10381

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10381

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ggcgtgtgct	ggaaaattgc	gatcacattt	agaccctttt	ctcacggagc	caagttgacg	120
ccgctctttt	cctctccagg	aagactatct	gatcattttc	ctaaagcagc	agagcgagag	180
agtgcggttc	catag					195

<210> 10382

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10382

agtctatgga	gacatcgtag	aagtcgttcc	aacgcaatca	agcgatgctc	tagtccgagg	60
aaatcgggtcg	caaacagcat	gcaagcgacc	atcctgcaag	cttgtatcac	tggcttcctg	120
gctctagccg	tcggcctgtg	cttttcaaa	ctcccaaacc	taaatcaggt	ccaatattcc	180
gttaggtaa						189

<210> 10383

<211> 657

<212> DNA

<213> A.fumigatus

<400> 10383

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cacgggatga	tggaatcaag	atcgattagc	cgggtggcag	tggatagcaa	gtctatccag	120
cctgcatctt	cacatgccgc	ggagagtcct	gcagttcctg	attcctcggt	tgctacacct	180
atcgaactat	catctacgcc	accgcagccg	ttgcctgaaa	gaccggacaa	tatgcgtcga	240
acctcctggg	cgcagggcgc	caatggatat	gtggagtata	tacggccccg	atggcaacct	300
gattcggagg	tcacgaactg	cccgatatgc	ggaacaacgt	tcagtttctg	gtacaggaag	360
catcactgtc	ggaagtgtgg	acgagttgtt	tgtgctgctt	gttctcctca	tcggattacg	420
atacctaggc	agtttatcgt	ccgtcctccg	gagtcgaatc	gctcgctgc	agttaatctg	480
ataccccgcg	gggcagctca	ggtcatcaat	gtagatgggg	acgatacatc	gcaatcgccc	540
ggtggcgatc	aatccagctc	tcggcggtgg	cgaggaggta	cgactttgca	accggtgtgt	600
gccagaccgc	aaccgggaac	cgcttcgggg	ttaccctcgc	gttcgaggag	gtggtga	657

<210> 10384

<211> 993

<212> DNA

<213> A.fumigatus

<400> 10384

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gaggtacgac	tttgcaaccc	gtgtgtgcca	gacccgaacc	cggaaccgct	tcgggggttac	120
cctgcggttc	gaggaggtgg	tgagcaaggg	acgaactggg	gcagagggttc	accgagccaa	180
ggtcgacacc	ggtcttatca	ctccatgtcg	acgtctacga	gacagtttcc	ttatgatgca	240
ttcgtaaagt	ttgttaattt	gagagaccga	ctgtcaaaca	ctgacacgat	ctcgtctttc	300
cagactgagt	cttcttcttc	acgattgaat	cggcgatcaa	taagctcgaa	tggttacaca	360
ggcttggggc	gtgctctagg	cggcgtgttc	agttccagct	tacaagaaag	accaatgcga	420
tatgggtcat	tgcccggttc	gcagtattct	ggccgacatg	ttagctcgtc	ggcgcgaccc	480
tacctaggct	actttcgggc	acaccgccat	ttacctccac	cggcacctga	agggacgagt	540
gtatctactg	ggggatcggt	cagtacaact	agtgatgatc	atgattctca	ccggcgtgtc	600
tcttatccag	cgcggcatca	tgttgacgag	agcgatattt	gtcccatatg	tagcgacgaa	660
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atcgagagcc	atggccgtgg	cacgcggtcg	acgtctcgag	gagggagtcc	agtagctgcg	780
tctcctgttc	cagttcgcac	gcttgcattc	actgctacgg	agaaggattg	cctaggacag	840
gatggcgccg	tgcaagaatg	cacgatctgt	atggaagact	acgaggtcgg	tcagccactg	900
gtacgcctgg	agtgtctgtg	caagtttcac	aagaggtgca	tagtagaatg	gtttgagcgc	960
aagaaggagt	gtcctgtgca	caaggtggca	taa			993

<210> 10385

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10385

ctttcactcg	atctacagca	actagcctca	tacatggctt	acagatgcag	aaatcttctc	60
ttcacacccg	aatggatctt	ccaccttgcc	accttgccct	ccacttgcct	ccccaatcca	120
acgaagcttc	aactcgtcga	cggcgtactg	caggaccaga	acctaccttt	cctcgtgcat	180
tgtctgtag						189

<210> 10386

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10386

cttccattag	atcatgcggt	atctgcatcc	actgtctacc	tgattcgggtc	tctcgggact	60
gtctggggcg	ttgccatcac	ctcagccatt	attcagaata	cattacgctc	aggcctttcg	120
aaggccttga	gtggaatacc	agacaaaatg	aaagtgcacat	ccctcaaagt	gagcatcagt	180
gtgagatga						189

<210> 10387

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10387

attatcgagc	agattcgaca	ctccgttttc	gccatacagg	acctgcccc	tgacattcag	60
atggctgcgc	gtcttgttta	ctacagaggt	atcaggttgt	cctttgtctg	ggctgctggc	120
ttcgcatttc	ttgcgaccat	tgcgcggttg	ttttccagag	gtaaggggtt	gcaccggggc	180
agctccgcac	ga					192

<210> 10388

<211> 939

<212> DNA

<213> A.fumigatus

<400> 10388

tggaactcac	ggtcattgtc	agctatcatg	tcgaatgtct	ttctctctgg	attcgatggc	60
accatcacgg	cctcgacgta	cgcggtgatt	agctccgaat	tcaacgccgc	caacactgcg	120
tcgtggctca	caacctctta	cctcatcact	agcaccgcct	ttcagcctct	gtacggtcgc	180
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ggttgtttgg	gttgtggtat	cgccgacgat	attgtcttgc	tgaatatgat	gcggggcggtg	300
acgggaattg	gtggcggtgg	tctaatagact	atgggtaagt	tgccatctcc	cccagctgga	360
gggccgccgc	actcacacgg	tccagctaca	attgtcaact	ccgacctcat	cccgttcaaa	420
cgtcggggta	tgtatcaagc	cttgcaaaac	ggcatgcatg	gcttcggctc	catctgtggt	480
gcacgttttg	gtggctcgat	tgttgatacg	gttggatgga	gatggtgctt	tctggtgcag	540
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caccaaactt	ttggacaagg	gcgggggtttt	cgggcgatac	tgcgatacgt	cgatctctca	660
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aatgagcttc	catggctcag	catttgggtc	atcctctcac	tcatggccag	cttgttcctc	780
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atgctccgtg	gggtcatgcc	tgtatccact	cagattgcca	atgtctgcgt	tggaatggcc	900
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<210> 10389

<211> 396

<212> DNA

<213> A.fumigatus

<400> 10389

gctacagctt	accagaggca	gtttctcttc	accctccgcg	tcttatttca	agtggctcctg	60
ctagacacgc	ctaccaaagc	tggggcaaga	ctcgctatac	cgctccttggc	cgctcccat	120
ggcagcctga	tcgctgggggt	cgctcatgtcc	cgctgggggc	gattggcgta	cctcgtgcgt	180
gcagggtgtt	tactgatgtg	cattggaaat	ctgctcgtga	tgtctatcaa	attccacgat	240
gctgggtgga	aatacctcac	ctacgtgatt	ccagccagtc	ttggccaggg	gatcgtctac	300
cccggaatct	tgtttacgtt	tctggctgca	tttgaccaca	ccggtaagct	tgggtctcta	360
tcttatcgga	acgtccgggc	tcatgacttc	cattag			396

<210> 10390

<211> 1065

<212> DNA

<213> A.fumigatus

<400> 10390

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cgatgtgccc	attcaactaa	cgaatttctg	atagcgttcg	gccaatcgac	taccttctcg	120
cttcgctctc	tgggccaggc	actcaagcca	ttgctcaatt	cggattgtga	gatcatcgtc	180
tccattctgt	gtcacgaagg	cagtgcggcg	gcttgggtgg	ccctcgccaa	ggatttgggc	240
atcgccatca	aatggtgggc	cccgcctccc	ggcgacgatc	cggtcctgtc	actcgacaca	300
ttgcggccgc	tgttgacgcc	aaagaccggg	ctggtagcct	gcaaccacgt	gtccaacgtg	360
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gggtctcatcc ggggttagttt tgtgcattac aacactgttg cggaagtgca ggagttttgc 1020
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<210> 10391

<211> 1314

<212> DNA

<213> A.fumigatus

<400> 10391

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ctccacgttt	ggcacgggtga	tctaacacaa	ccgcagcttg	ggttaagtca	gcttcaatgg	180
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gagctccaac	ccctctcgcg	gcgagaatgg	ctggcacgcc	tcaaactctc	cgtggccacc	840
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<210> 10392

<211> 1206

<212> DNA

<213> A.fumigatus

<400> 10392

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aacggacgca	cctatttcat	ccgggtcggc	attcatgaat	gctgcgagct	cggcgaatcg	120
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cacatcaatg	gcatccgtca	cgggcgcagg	actcgcgacc	gatgtgaccg	gagtcagcac	360
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gtgttttgagg	cgtgccagcc	attctcgcgg	cgagaggggt	tggagctcaa	atccgaactt	600
gtcttgagg	agggcccaca	gagttttgaa	tctcaggcca	tccagcacct	tcgtgacggg	660
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aacaaagctg	tgcagggggt	cttcgcgggtc	atggactgct	ttcagcagct	cgaccgtggg	1080

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 acttaa 1206

<210> 10393
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 10393
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 catgctaatt agacagctgc cattacgggg gatgaacttc ggactgggcc ctgcgagccc 120
 atcactttca tctttgcccg gggctccacc gagcctgggc ttctgggatg tatactttat 180
 gccagtcctt ga 192

<210> 10394
 <211> 351
 <212> DNA
 <213> A.fumigatus

<400> 10394
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 cgtccaggcc aagtggcctg tcaaggcggt ggaccagcct atatcgctga tcttgccctcc 120
 aacttccttc cacagggcac gagccaagtt gctattgacg aggcagcggg tctctttaaa 180
 ctgcgtgcat ccaagtgtcc ggacacaaaag atcgctcgctg gtggatacag gtactttccc 240
 cttcttttca tcacggcaat cgagacagct aaaaaaaaaa actgtgtagt cagggagcag 300
 ctgtcatgca cggtgccatc cgaaatctcc ccagcaacgt ccagaatatg a 351

<210> 10395
 <211> 279
 <212> DNA
 <213> A.fumigatus

<400> 10395
 aaaaaaaaaa tgtgtagtca gggagcagct gtcatgcacg gtgccatccg aaatctcccc 60
 agcaacgtcc agaatatgat caaggggggt gtcctgtttg gtgacactcg aaacaagcag 120
 gacggaggac ggatcccga tttcccaca gatcgacca agatatactg tgcattcggc 180
 gacctggtgt gtgacgggac cttgatcatc acgcccgcgc atctcagcta tggcgatgat 240
 gtgccaagcg caacctcctt cctgttgtcg aagggttga 279

<210> 10396
 <211> 693
 <212> DNA
 <213> A.fumigatus

<400> 10396
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 agggtgactt ccacattacg gcacggggac acgggtacca taacaacgca cctcatctgg 120
 agcacaagag tacattttct cctttgttgc ctgggtattc gaattcaact gacgcgcgca 180
 gccttcaact tctcgcatat gatcaccgag ctctccttcg gccctacta tccgaccctc 240
 ctcaaccccc tcgacaaaac catcgccaca accgaagacc actactacaa gtaccagtat 300
 ttcctctcca ttgtgccaac catctactcc aaggggcaacc tcgcactaga cacctacgcc 360
 aacgctccgc cctcaaaccg cgtgggcaaa aacctcgtct tcaccaacca gtacgcggtc 420
 accagccagt ccagcgtgat tccagaaagc ccctacttca tcccaggcct cttcttcaag 480
 tacaacatcg agccatcct gctgctgac agcgaggagc gcactagttt cctgtccttg 540
 cttgtgcggc tggttaaacac cgtctctggg gttatggtga caggtggctg gttgtatcag 600

atgtcagggg ggctcgggtga gctgctgggc aggaggagga gaaggggcaa gtcggagggg 660
gttcttacag ggcgccacga ggcggacgat tga 693

<210> 10397

<211> 1140

<212> DNA

<213> A.fumigatus

<400> 10397

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ctcgcctcggc gggacgtttc cgcaatcgct ctcgaaagcg gccggtccca ggttatgggtg 120
cagatgctga cgatcgctgt ggtgattcta gcgaagacaa aaccttttta tacagcgctt 180
tctccccgcg gtgggcaatg gacggttctg gtattgctcg tctgtacctt cttatcgata 240
tccgagttcc gcacatggct caaaggcacc gagaagcagc acttcagcgt tgaaaaagga 300
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gacgtgaata tccaggatgc ttcaggcgac cgcattcctg ccggtcagct gctgaaacgc 420
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gcacctcatc tggagcacia gactacattt tctccctttg ttcctgggta ttcgaattca 780
actgacgcgc gcagccttca acttctcgca catgatcacc gagctctcct tcggccctca 840
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ccagtacgcg gtcaccagcc agtccagcgt gattccagaa agcccctact tcatcccagg 1080
cctcttcttc aagtacaaca tcgagcccat cctgctgctg atcagcgagg agcgcactag 1140

<210> 10398

<211> 486

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1), (3), (8), (19), (35)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10398

ncnccccnta tgaacgceng ctgcgatgat ccccnccctg tggatgaagac taccgcgcca 60
gacaccagca acccgcccg ccaacgccttc gacgacgtgg acctcgctcg cggctcgttc 120
gccgaccacg cgcgcgcgcg cagcatagcc cagcagcact cgtccttctc caccgtcctc 180
tcgagtggcc tcgcggcctt cacgggcagc tatggaaacc gcagccggga gtcctcaacc 240
cagcagcatc cgcccgctgc gcgtggcagt ctggaactcc tctctgagga gaacttcgat 300
gatgagttcg acgaggcgga gtttgcgcgg gcgcaggcgg aagaagaagc gcggaagcgt 360
gtggagtggg tccgcgagat caaggggaag ctcaaggact ggaagggtcg gcggctggat 420
ttggtggata gtcgggctgg cgctgaggga gccggtgtgg gcatgggtga gatatttgag 480
atttag 486

<210> 10399

<211> 375

<212> DNA

<213> A.fumigatus

<400> 10399

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tacaacaacc	tgatcgcgac	atatctcgcc	caattcaagt	ccaagaacag	cgggtgtcacg	180
gcaacagttg	tggatacaca	agcgccgttc	aatcaggcat	tggataatcc	cacggcctac	240
ggtgcgcccg	atgccacctg	ctataacagc	gatggcaca	gctgtctgtg	gttcaatgac	300
taccatcctg	gcattgccat	ccaggacctc	acggcacagg	ctgtggcttc	tgcgctgaag	360
gagttgtttt	tctag					375

<210> 10400

<211> 765

<212> DNA

<213> A.fumigatus

<400> 10400

tcaacagcgc	ttagatcaat	gcgtccctgg	aacaagcact	gcaccaggca	ctgcgccaag	60
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cttcatcact	ttgtgagtta	ccctaagctt	cctaccgaac	gttcttgggc	tcatccagct	180
agtggcgact	cctactcgca	gaccggattc	gacatcagca	gcaccaaacc	ctccgcctcg	240
aatcccctcg	ggaaccctac	tttgccagga	tggaccacga	gtggaggctt	gaattgggtc	300
gggttcctcg	tctcaaaata	taacacgtcc	ctgactctgt	catacaactt	tgcctacggt	360
ggggcgacga	ccaacgccag	ccttgttgct	ccatatacct	cgactgtcct	gagcttcctc	420
gagcaggtca	ccgagttcac	caacagcatt	gcctcgaagc	cctcttatgc	gccgtggacc	480
agtggaaata	ctctcgtggg	cgtctggatg	ggcgtgaatg	acgttggcaa	ctcgtactgg	540
ctgtcttaata	tgcagcagct	tctccttaag	attatggata	gctactttgg	gcagctgcag	600
attctctacg	acgtcggagt	gcggaactat	gtgctgctcg	gtgttctctg	taagtcttgc	660
tttggttcga	tatcactgac	cgattctcat	catgtacagc	aatcaaccgc	tccccactta	720
tgcttgccca	aggcaccgat	gtcactaccg	cggaagcggc	agtga		765

<210> 10401

<211> 663

<212> DNA

<213> A.fumigatus

<400> 10401

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gcgaacaagc	agcctagtgt	atcattatgg	cgatatttcg	gatacgatca	agacaatccg	180
gacgaatcgc	atccccttaa	caagcatatg	aagaccgttt	cgtggatgca	acttttggat	240
cctcatgcag	atactattta	cgccaatgaa	ccagaagtga	tccctgacga	gacccttgcc	300
actttttaagt	ttaacagacg	cagcgcgtat	tacaaaaagc	gcagtcgctg	ggagcgggta	360
cgacgggttg	ttgatgaagc	tgcagccggt	aactttgacg	gcctcattgt	cgcgacgcta	420
atggagccgg	caagtgtact	caaacacacc	gtcccactat	tggcgggttc	cgctccggta	480
gtagtctact	cgcccaccgt	cgaacctctg	accgagctgg	ccgatctata	ttcgactccc	540
agaaggacgg	cttacattac	tgcgaaaacga	gagattatcg	cacagcacag	cctacaacag	600
tctttgcaag	gggcagagcc	actgataact	aataataatc	ctcatgaacc	ggactttctca	660
taa						663

<210> 10402

<211> 285

<212> DNA

<213> A.fumigatus

<400> 10402

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cgagtacgcg	catggcaagt	acttcctggg	cgtacacacc	cgctgatgtc	ggggcgtggt	120
ggcgtgaag	gctatatattt	ccatgctatt	cgcgttttcc	cgtcccatca	gaacatccag	180

gctgcgggta atccaagtcg gaagaagagg aaggtggctg cccaacaaga atccgcaaca 240
ccagcggaga gtggaagcgg ggtggacgtt gaaatgcagt catga 285

<210> 10403

<211> 471

<212> DNA

<213> A.fumigatus

<400> 10403

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aagcaactca tgaatctcgc gccacactgc agcggactcg tcgctaacat cagctctcgc 120
cgtctaccct caggcaatct ccctgtcctc cccctccgca cccgtaactc cggccccgca 180
tacaccctcc ccccgctgcc cgccgggtgc tccgatatag atgtgcctcc tgacagcgag 240
tcgtacgact gcgtagacga aatcctgtct cttttccgcg ccaatgtgct cttccggaac 300
tttgagatca acggacctgc agaccgcatg ctcatctacg gaacgttggt catcagtga 360
tgtctgggga aggtcaaacc tggcatgacc tcccgcgagg ctgaaaagg actattagga 420
caggaatgcg tcaggggatc tgctaattgg catacgtcag gctttgatta a 471

<210> 10404

<211> 297

<212> DNA

<213> A.fumigatus

<400> 10404

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ctcgatcatt tcgctatccc tgggtgatgtg gccttcctc tgaaccaggc gttcgagcct 120
ccccgagatc gacaggatgc agagacactg agacagtatg ttccaatttc tttcaaaagc 180
ttgagagcgc tgagttaaact gcgatttgat tcagatacct ctccaagta cggcaggaga 240
tcgctattcg actacatgct cgggtatacgt ctggcggtga agggccttcc aaggtag 297

<210> 10405

<211> 399

<212> DNA

<213> A.fumigatus

<400> 10405

ctcgggggat ttgagccctc gcaggcccac gtccaactgg ggacgatcgt ccttgacagg 60
gatcgacatt cgttcacaga tcttccaccc gaactatcgt ttattttcct tttccgggat 120
gtgacagcaa ccatgctgct cgacatcagt gccttcgctc tatccaccac aggcgtgctg 180
tgcatgcttc tgtgtcttgt tgtcaagctt tttgagacct cgccgggtccc caagaatatt 240
ccatgggtcc tgagcaagaa gggcttcttt ggccgagctg cggagcgctt cctcggcgctc 300
aaccocatcg gattcatcca agagggatat caacagggtg gtttatgtca tgccgtgctc 360
tggcactcga tgtacacaca ggtcgggatg attgggtga 399

<210> 10406

<211> 903

<212> DNA

<213> A.fumigatus

<400> 10406

atggctcctc ccatggcgaa gaaacgcaag gtcttgata gtctgaagaa taaggccggt 60
cggcctaaga agaagttcag aaagcagctc gaataccaca gcagttccga cgaagcggaa 120
gatgaacagc ccaccgattt ccaagcagtt aatctggctg attccgatgc agaggaagaa 180
aggaagccgg tagaacggaa cccacagaag ccagcttcga gcgagacgag gtcgctaggg 240
gcacaaaaga agagaaaagc ggaagacagc gacgacagct ctgctgctag cgagaatgag 300
agtgacgcgg acgacaacaa tgggtcggac tcgccagatt cctctgatat ggaggacgac 360

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<210> 10407
<211> 258
<212> DNA
<213> A.fumigatus
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<210> 10408
<211> 303
<212> DNA
<213> A.fumigatus
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<210> 10409
<211> 192
<212> DNA
<213> A.fumigatus
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<210> 10410
<211> 1662
<212> DNA
<213> A.fumigatus
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<400> 10410
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gaagatgaaa cgggtgcttc actacacctg acatctttga aggagtttgt ggaccacaat   120
ttctcagtcg ctattgacca ttttcacaat gaatctcgat atgaacccca tactcgcgac   180
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cacttcaacc	tccgctactg	gttcgatgca	agtcactaca	aggaaggggg	accagtattc	240
ctcattgcag	ccggagagac	gaatggtaga	gatcgttttc	cgttcctgtc	tcacggaatc	300
gtgacccagt	tagccaagac	ctataatggt	ctcggagtta	tcctggagca	ccgctattac	360
ggggagagct	accccttcgc	cgatctcacc	acgaagaaca	ttcggttcct	ttcaacagag	420
caagcaatgg	cggattacgc	ttactttgct	tccaacggtg	ttttccccgg	actggagcac	480
ctgaatctga	cagctgacgc	cgtgccgtgg	attggttacg	gaggctccta	tgccggagca	540
tttgtggctt	ttcttcgcaa	ggtctaccgg	gagggtcttct	tcgggggtggt	gtcgtcgtca	600
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ccgtccgact	gcatatggag	tattgaaacg	ttcatggata	ttgtggatac	tatactgatt	720
gagcatgcca	agaatgagac	actgaaatcg	cacctcaagg	ccgttttttg	tgcaacttcc	780
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acacgaccaa	gacagtccac	ggacgaggag	ccatttatcc	ttgtcgatgt	cccgccgag	1440
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caagatgtgc	agcaaggga	gaccgcacca	aaggccatag	tcgccctgca	acaggaaatc	1560
atacggtttg	ttgggggtgtg	gctgaagcag	tggagaaaac	acgaggatgt	ctcggatccg	1620
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<210> 10411

<211> 207

<212> DNA

<213> A.fumigatus

<400> 10411

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tcgggtgctg	acgataagat	agtctgtatc	tatacattgg	atgcgaatcc	tccttcacat	120
gcgtccacgt	tcggtaggtg	ctggctttat	ttgaccgtgg	gaaggagct	gggtaaccgg	180
tgttttcttc	gcaaatgcct	agggtga				207

<210> 10412

<211> 516

<212> DNA

<213> A.fumigatus

<400> 10412

tcctcacta	tggaagtggc	gtccaggcag	tcacgagac	tgcttcggtc	ctccattcgc	60
ggttctaacc	gogtggccct	ccagaaccct	tgtctttcta	gcctcgcac	catatcttcc	120
aacaccctga	gtgccattca	acggcggaat	gtctcctcaa	catctcgacg	gactgcgcca	180
gaatcgctac	tgctaggctt	cggacccggt	tcgggtgccg	gcgggtgcacc	cgcgacatac	240
ttctcaagtc	gctccgctct	tcccatgaac	actgttatcc	gattcgtccc	tcagcagact	300
gcatggatcg	ttgagcggat	gggcaagtcc	catcgaatct	tagagcctgg	attggcaatc	360
ctaattccct	ttatcgatcg	gatcgcgtac	gttaagagct	tgaaggagtc	tgctattgag	420
ataccgagtc	agaatgccat	taccgcggat	aatgttacgt	tggagtggga	tggtgtgcta	480
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<210> 10413

<211> 852

<212> DNA

<213> A.fumigatus

<400> 10413

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gccatttccc	aactagcaca	gacaactatg	cgctcggaga	ttggtcagct	caggctagac	120
cacgtttgga	aggagcgtgc	cacgttaaata	accaatatta	cgcaggctat	caacgaggca	180
gctcaggact	gggggtgtggt	ctgtctacgt	tatgagattc	gggatattca	tgctccggaa	240
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ctcgaatctg	aggggtcagcg	acagagtgcg	atcaacatcg	cggagggtcg	gaagcagtc	360
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attgcagaag	gcagtgcagaa	cgcgcacagt	gccgtcagcc	tcagtgtcgc	agaaaagtac	540
gtcgaggcat	tctcaaatac	tgccgctgaa	ggaactgctg	tcgttggtcc	tggtaatggt	600
ggcgatcttg	gtggaatgat	tgccaacgcc	atggccgtct	atggcaaggt	caacgagagc	660
caggcgcgct	ccattgccgc	aaaggccctt	ggagtgcagg	agcctactca	gattgagcac	720
tcacaacaac	aaaaggcaga	aaagaacact	tccgagccgg	agggtcaggc	tgctgtctgag	780
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cagagaagat	ag					852

<210> 10414

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10414

gcgattttac	tctgggtgca	gatggatacg	ttcgaatatg	gtcaacggaa	gcatctata	60
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tcgggcaccg	attcatacgg	ttcgattctc	gcccgaatggc	aaatacctgg	cgctgggtgc	180
ggacgataa						189

<210> 10415

<211> 630

<212> DNA

<213> A.fumigatus

<400> 10415

cgacataata	caggtgcctt	tctcttctct	ctcatcctcg	ctgcctacat	cggcctgctc	60
cctcatagca	cctcctcctc	gatcccatca	aacctccagc	caaacgacaa	attcctccac	120
gtcgtcacat	tcttcttctc	ctcctctctc	ttctactgga	tcccggatac	caccgcgcgc	180
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gtccaggcca	ttctccccaa	cgaccgcca	ttcgaccctt	tcgacatcct	cgccaacctc	300
gtcggcagcc	tcggcgcagt	cggcctgtgc	agctggtacc	accggcggat	gctggagcgg	360
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caggaggtcg	acaattggga	tgagaatgcg	gtggatacct	gggatacaga	ggagggggcg	540
gatgagtatt	ctgcttctgc	tgctccgggg	cgaggctcctg	agtctaaggt	ctcgctggt	600
aacagcgagg	gtgcgaaacg	gattgattaa				630

<210> 10416

<211> 1179

<212> DNA

<213> A.fumigatus

<400> 10416

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ctcggtcacc	accacacctg	gcagccaccg	ggacatcttc	ggcacgccga	tgatcccaat	120

gacttacggt	ctgtcaatgg	ctactctaaa	tcttttcccg	ggctcaagac	gctgcaaatg	180
cgctcctctg	cgggggccga	tggcggtcac	gcaggtaactt	tgatatcgga	gtctgatact	240
gcggccgacg	aagatccacg	cattgccacc	tttcgcgatt	tgtataagcg	cagcgaggcg	300
aaaataaacg	ccttggttcg	gaagaaacat	cccgcggaag	agaacctcgg	tgctgctgac	360
gccgagacgg	aggaaccgga	gtcccaaate	aaccgcgcct	gcgaaccggt	gtcgctcccc	420
gtcgcgctta	agaaaccggc	gagaaaattg	gatgatgatg	actatgacga	atacgacgat	480
gatgaggagg	aggagactga	ggctccact	ccgcccaa	ccaagacatc	ggctttgtcc	540
catgaacctt	gtggcggtcca	gtctccgaag	catcggtcca	gtatagctgc	atcggttgcg	600
gccgatagta	tgaagggaagt	gaagaaggag	acgcttgagg	acatccggaa	gaagttggag	660
gaggataaga	aagccactga	ggaagctgcg	cggagaagtt	tccacaccat	gttccacacg	720
ttggagaacg	acagggatgc	tatgctggac	caacagcgtc	tggaagaatc	cgagaggcaa	780
gtagaagctg	aaatgtccag	tcaagccaat	gctggcagca	ccaatgcgaa	tgcgagcaca	840
gacggttacg	gctccctgag	taatgccaac	ttgggcgctt	cgagtctgac	cttgaagaac	900
ctcattgcga	ggatcgatat	gaagcgcaac	atggtccaag	cgtcggatgc	cgaacttcga	960
agcttgatga	gcgaagtccg	caagaatcga	agcaaattgg	ccagtgaaga	caagattggg	1020
caggaggagc	tctacgaagc	tgctgagaag	gtgttgagcg	agcttaaagc	tatgacagag	1080
cactcatcgg	ctttcctgac	tctgttcaat	aagcgagatg	cgccggatta	ttataccagt	1140
aaggaaccac	cctctccttt	gcacgcgttc	ctgcagtag			1179

<210> 10417

<211> 732

<212> DNA

<213> A.fumigatus

<400> 10417

ttagaaaagg	tcttttaaaaa	acatactatg	gctcgtacaa	ttgggaaata	tcagctttta	60
attcttaata	gccatgctag	ccatgaatca	gcagagtttg	atcttttcta	caagaatcat	120
cagattatcc	ctctttatat	accttctcat	tcatctgata	aactgcaacc	tcttaatat	180
agctgctttg	cacccctaaa	ggaggcatat	gggatagagg	taataagaag	cattcaaaat	240
agcattcatc	acattaataa	ggagaacttt	ctgacacttt	atagagaagc	acaaaaggcc	300
ttatcatcta	aaaatatcca	cagtggattt	aaagcctctg	gtcttggttc	attaaattgc	360
caacaggtgt	tagataagct	tactatcaag	catattacac	caccatctac	tgcccatagg	420
ccttcagatc	aggaatggac	tgcaaagact	ccttatacaa	ctgctaaggt	acaaaagcag	480
atgcacctca	tcaaacaact	aatcaatcac	aactctgaaa	gtcctctaaa	taaagcaatc	540
cgtcagctag	caaaatcagc	taaatatacc	atacataaag	tccttctcct	agatcaggag	600
ataaaagggc	tacacgcagc	aaataagaag	cagaaacgaa	ggcgcacaa	ccctagatct	660
tttatggcta	ctggagggtg	tctgacaggt	actaaagggc	caagcactaa	gcccagaag	720
ctatacaggt	ga					732

<210> 10418

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10418

gagaaccctt	tattcatgto	tgatgaattt	gcctatttgc	tacacttttg	ggatggcagg	60
aagattttctg	agatcaaagg	atcttttcgac	actttgaacg	ttcataacca	ccttgggcgt	120
gaaaagagtt	attctggcgg	cgcctactgg	attgatttat	tagcttggac	cctagaagta	180
tctttaagta	ttttcatcta	g				201

<210> 10419

<211> 264

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (249), (251), (254), (255)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10419

ctgtttatac	taatgatcgt	tttgattcag	acgccacgag	tgcgtcaact	ggatgttcct	60
gcagtgcctt	ctgacgaggg	tctccccgt	atgagctcac	ctgaaaagca	tcaagggcgg	120
aatctgttag	ctctagagga	tgattcggac	gaagatatcg	ttccttactc	gagaaatcat	180
gccaccaagt	tctggaaatc	tcctaacggg	gttttctcca	agccgctaga	aggttcaata	240
tgcagccana	nccnnacaaa	tcgc				264

<210> 10420

<211> 216

<212> DNA

<213> A.fumigatus

<400> 10420

gagatctttg	tctttctgct	cttctatgaa	gccggaaaat	gcagatgcaa	cctttacgac	60
aaagctttca	acattgcctt	tggtcacaag	tacctattga	aaatctcggg	taggcacaat	120
gatgtgaaag	gacatgggga	ccaacatcgt	ctgtctggaa	atattcgagc	gaatcaagtt	180
gagggattgt	gttctcggtt	ttgttgcgtc	agttga			216

<210> 10421

<211> 1359

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (871)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10421

gacaggaggg	tatctagaag	aagagggcat	ctactcttcc	tcaaactcct	cctcttcctc	60
ctctctctct	tcttcttcct	cctcttcttc	ttctctctcc	tcttcttccct	cctcctcttc	120
ttctctctct	tcgccagacg	aagcttcaact	tccatcatca	tcaactaggcg	catcctccat	180
catctcatcc	tcacgcggct	tcttctccgc	cgcgcgctcg	ttctctctcc	cgcgccgtcc	240
ctgttccaga	atagcagcct	tctctctcct	caacttccgc	tgcgtcttga	caaacgcacc	300
caaagggtgc	gactcccaat	ccacatcttt	caggaacgac	tcgacctcgg	cgcgattgcg	360
cggcgtatac	gtgacattca	gcctcttctc	ctcgatccag	cgcgcggttg	cctcgacctt	420
ctgcacaagc	agcaagatag	cctgggttgac	ctttgcattc	ttgttgccgg	tcgtgcggga	480
gccgacctgc	ttcagccagc	gcttcagggc	gacgacgatg	gggacggaga	gctcggggaa	540
ggcgatatgt	ttgggtccaga	ggacgaagaa	ctcggagagc	agctcggcga	cctgttcgcc	600
gacgccatcc	tggtagatgc	gcgtgcggag	gtaggatttc	ggggcgcgga	tggcggtgct	660
gaagtcgagt	tgcttgaggg	tgctggattt	agggggcttg	cgcatctcgg	ctgcgttgag	720
gacctcgagg	agggccgggg	ctacgggcac	gtacgtgcct	gtggcacggg	agaggcggag	780
gagggcgcgga	gtgagctgga	agcggagtgg	gaagtacgtt	gcggtgggga	tgaggcgcat	840
cgcgccgagg	gtgatctgga	ccacggggta	natgaggggc	cgcaaggcgg	attgctttcc	900
ggcttttagct	tcgacgagac	cgtcgcagtg	ctgggagagg	acgcgcgacc	agaagtcag	960
cgagtgcgtg	tactgccagt	tgtacatggg	cttgtaagat	tccttgagag	cggttggtgat	1020
gctgctgcgg	aggtgcatgg	caagttgccg	gatgaacctg	aagcctgtcg	tgtacgagat	1080
gtcttggtcg	atgccccaga	gctcggcgcc	cgagttcttc	atcaggtgaa	ctcccagagag	1140
cgtgtggacg	gttgtgttcc	tggtgccctt	gaccactcct	tcatacaagg	ccttgaggac	1200
ggtctccttg	agggccggagt	cgccaatgac	catgagtttg	cgaagcagca	ggaagcctgt	1260
gatccggggt	gcctccgtcg	tcgagacatc	agcccagatg	ccgacaatcg	tcttgatgag	1320
aactttcagg	agttttctga	actgaagcag	atagggttag			1359

<210> 10422
 <211> 792
 <212> DNA
 <213> A.fumigatus

<400> 10422
 aagatctctc tacttcatag tccatatgca tatatgtgtc tatcaaagac cgttattggt 60
 ccccttgatgt gcacgtgtac ggtgttctctg aacttcgcaa cttttataga tatcatatca 120
 ggaattgtcc caagctacag gactagatgg aataagcgaa acaaacagaa ttttaagaca 180
 ggaggggtatc tagaagaaga gggcatctac tcttcctcaa actcttctctc ttccctctcc 240
 tctctctctt ctctctctctc ttcttctctc tctctctctt ctctctctctc ctcttctctc 300
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 tcatcctcat cggccttctt ctccgcgcgc cgtcgtttct cctcctcgcg ccgtccctgt 420
 tccagaatag cagccttctc ctccctcaac ttccgctgcg tcttgacaaa cgcacccaaa 480
 ggtgtcgcact cccaatccac atctttcagg aacgactcga cctcggcgcg attgcgcggc 540
 gtatacgtga cattcagcct ctctctctctg atccagcgcg cgttggcctc gaccttctgc 600
 acaagcagca agatagcctg gttgaccttt gcattcttgt tgccggtcgt gcgggagccg 660
 acctgcttca gccagcgctt cagggcgacg acgatgggga cggagagctc ggggaaggcg 720
 atatgtttgg tccagaggac gaagaactcg gagagcagct cggcgacctg ttcgccgacg 780
 ccctcctggt ag 792

<210> 10423
 <211> 1491
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (651)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10423
 aggagacggc ctcccggaaa agtcagggtg tctctggatt cgaagaaatt caagaccctc 60
 acacccctca tcaagtgcga tacatcctca gttcatcagt tgctcgtcaa tctctccgat 120
 gcatcgacac tcaagttgac tctttcgtcc attgaaccga tgctacccta tctgcttcag 180
 ttcagaaaaa tcttgaaagt tctcatcaag acgattgtcg gcatctgggc tgatgtctcg 240
 acgacggagg caaccggat cacaggcttc ctgctgcttc gcaaactcat ggtcattggc 300
 gactccggcc tcaaggagac cgtcctcaag gccttgtatg aaggagtggc caagggcacc 360
 aggaacacaa ccgtccacac gctctcggga gttcacctga tgaagaactc ggccgcgcgag 420
 ctctggggca tgcaccaaga catctcgtac acgacaggct tcagggttcat ccggcaactt 480
 gccatgcacc tccgcagcag catcaccaac gcctccaagg aatcttacia gaccatgtac 540
 aactggcagt acacgcactc gctggacttc tggctcgcgc tctctctcca gcaactgcgac 600
 ggtctcgtcg aagctaaagc cggaaagcaa tccgccttgc ggccctcat ntaccccggtg 660
 gtccagatca cctcggcgc gatgcgcctc atccccaccg caacgtactt cccactccgc 720
 ttccagctca ctgcgcctt cctccgcctc tcccggtcca caggcacgta cgtgcccgta 780
 gccccggccc tctcagaggt cctcaacgca gccgagatgc gcaagccccc taaatccagc 840
 accctcaagc aactcgactt cagcaccgcc atccgcgcgc cgaatccta cctccgcacg 900
 cgcactctacc aggatggcgt cggcggaacag gtccgcgagc tgctctccga gttcttctgc 960
 ctctggacca aacatatcgc ctctcccgag ctctcctgcc ccctcgtcgt cgcctgaag 1020
 cgctggctga agcaggctcg ctccgcgcgc accggaaca agaagcaaa ggtcaaccag 1080
 gctatcttgc tgcttgtgca gaaggtcgag gccaacgcgc gctggatcga ggagaagagg 1140
 ctgaatgtca cgtatacgcg gcgcaatcgc gccgaggtcg agtcgttctt gaaagatgtg 1200
 gattgggagt cgacaccttt ggggtgcgtt gtcaagacgc agcggaagtt gagggaggag 1260
 aaggctgcta ttctggaaca gggacggcgc gaggaggaga aacgacgcgc ggccggagaag 1320
 aaggccgatg aggatgagat gatggaggat gcgcctagtg atgatgatgg aagtgaagct 1380

tcgtctggcg aagaggagga agaagaggag gaggaagaag aggaggagga agaagaagag 1440
gaggaagaag aagaggagga ggaggaagag gaagagtttg aggaagagta g 1491

<210> 10424
<211> 846
<212> DNA
<213> A.fumigatus

<400> 10424
aagcagaatg cctttgcgga aatgaacgtc gacgattttt tcgcggggcg attcgaaatt 60
gcagacgccg atacagacaa gggcaagtct cggaggaaaag atgttacccc caagatcggc 120
aaacggaagc ggtcagagga acagaaggaa gaggacgagg aagcctcatc tgtagcctca 180
agtgaagagg aggaagatgg tggcgtatcc gacgatgatg cggcgtctca ggccagcagc 240
gcaccggatg actttgaggc gcacaagaac cagcttcaag cgctgaagga caaagatcct 300
gaattctaca agtatctgaa ggagaacgat tcggagctgc tggacttcgg tgaacacgga 360
gatcttactg aggtcctcga gctgagttag gatgaggcgg aagaagggcc tgcaaagaag 420
aagaaaaagg cggctaagga tgagggcgag gaggctgcag acaatacgtc cagcattgag 480
atggtcaaga agtggcagaa gttgatggag gaacaaaact cgatccgcgc tatgcggcaa 540
gctgtgctcg ctttccgctg tgcagcgtac atcaacgagg cggaaaactca agagcaaaaag 600
tactcaatct cggacccgga tgtataccat caagttcttg tgacggcact tggtagcgga 660
ccaaagggtg tcgcgcatca tctcccagtg aaggagacgg cctcccggaa aagtcagggg 720
gtctctggat tcgaagaaat tcaagacctt cacaccctc atcaagtcgc atacatcctc 780
agttcatcag ttgctcgtca atctctccga tgcacgcaca ctcaagttga ctctttcgtc 840
cattga 846

<210> 10425
<211> 183
<212> DNA
<213> A.fumigatus

<400> 10425
atcccgcagt cagctcaatg tctcatcgac cccagcacgg cagcgccgta ttctattgaa 60
atcgatttct atcccctcgt taccgtcggg ggtgcggaac tcgctatcat gggctgggga 120
taccctaaat gcgtatcgcg atggagcctc aagagagcaa aggaaggcgc ttacggatat 180
tga 183

<210> 10426
<211> 879
<212> DNA
<213> A.fumigatus

<400> 10426
gcagtttctg acgaggagtg gaggagttgc gcctgcgaac tggacgagtt agaggacaat 60
aacacctgga agcagacatt cgaatgttca gaatacagcc ctacacctgt gcaagagcgt 120
ctcaaacagc tggaagaggc ccgcatcagt tgtgacgtaa gccggatgct ttttctgatt 180
cgcacttcgc tgagtcgcga tctggggaat atgagcaatg cggcgtctga cagacattct 240
catgtcggta cgaaggactt gatcgaccgg tacattacga cggcgggtga tacgatata 300
atgttggttg atctggctgg aaagaagtgt gatgtgttgg agtcgaggta tatgctcgat 360
cagcttctcg ccgcgagaca ggcgtttggg cgaagtgtc tactattctc aggaggcgcc 420
acgttcggaa tgaaccatat tggagtacta aaagccctat gggaagcaaa actgcttccc 480
cgcattattt ctggcgccctc cgcgggcagt atcgtctgtg gagatttcgc cgtctttgat 540
gacgatgagt tgccagcgct tctggaatct tatgcttacg gagatttcgc cgtctttgat 600
gaggaaggga aggaggagaa tatattgcag aaaacagcgc gggttctgaa atatggctcc 660
tttttggaac tttcgaatct tgctagagtc atgcggaact ggcttggcga cattacattt 720
caggaagcat acaataggac gaggaggata ctgaacattt gtgtctccag tgccggagtg 780
tacgaacttc caaggttggt gaactacatt accccaaccc aaggggggaga tttgttctgc 840

tgtttaagtt tcattatcgt gatgctcaac ttaccgtga

879

<210> 10427

<211> 1278

<212> DNA

<213> A.fumigatus

<400> 10427

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tttttcaacg	cttttgtgct	gatggccaag	aatccattga	cgggagaagc	ggtcccttgg	120
actgatttcc	acaagcagta	cattgccgct	tcagtggatg	gagatttgcc	catgaccaga	180
ttgtctgaga	tgttcaatgt	caatcatttc	attgtctcac	aggtgaatcc	tcatgtgggt	240
cctatctttc	ctaaggacga	tggtcccagt	catggggcaa	tgcagacctc	atcttcacct	300
acctggcttc	acaccgtgac	acatctagcc	aaggacgaaa	tattacaccg	gatggcggtc	360
ttgtcagatc	ttggtatctt	ccccacatcg	ctcaccaaag	ctgcttccat	catgaaccag	420
aaatattacg	gagatatcaa	tatctacccc	gagattctct	acgcaaattt	ccctcgaatc	480
ctcaagaacc	cgaccactga	attcatgctt	caggcgtgtc	tcagcggaga	acgggcgact	540
tggcccaaac	tgggacgaat	ccggaatcac	tgtgctatag	agctcgcatt	ggactcggct	600
atccagcaga	tgcgcgtgcg	agttgccttc	agtcctagct	tgggtgactt	gaggtaccaa	660
gggtttaaag	ggcattcgat	tgattcgctc	gatagcagtg	gagggcgagg	acgcatgctc	720
aacccggagg	gctcgtacga	tcattggagt	gagcgtatgg	agcgaatgcg	tccgaattct	780
ggcgcgtgat	ccacagcgca	agtgaggcgg	tctcgtagcg	aatatctcgc	cgaacagtca	840
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accgatctat	cctctccaga	gcgaccagta	cttttacggg	cctcttcatg	gggatcgta	1020
gcgggtgctc	agccgggacg	gcggcatagt	cagcagagca	ctgtccgaac	ccggccgctc	1080
ttaacaacgg	ccgcgtccgt	gatgggtccc	tccgtaagca	catcacgttg	gccatcatct	1140
gcgcactctg	cgcacaatgc	cagcccccca	atgtcattgt	actcaaagac	gatatcacct	1200
ccacacaact	tactgcagat	gacacctgca	gttcatggga	tctccgctgg	gacgtcaacc	1260
cgtcactctt	acaactga					1278

<210> 10428

<211> 1176

<212> DNA

<213> A.fumigatus

<400> 10428

ttgaagcaga	gcgccacatt	taagcagacc	tcggggcggg	gcggcgagg	atatgactac	60
actcgtcccg	gaaatccac	cagaactcac	ctcgaacgac	acctcgccaa	aatcatgtcc	120
gcgcagcgcg	cgctagtgt	ctcatctgg	atggctgctc	tggatgtgat	ctcgcgactg	180
cttcgtcctg	gtgacgaggt	tgtgacgggc	gacgacctct	acggcggaac	gcatcgtctt	240
ttgaagtacc	tgtcgaccaa	tggtggcatc	atcgtccacc	atgtcgatac	gacgcagccg	300
gagaaagtcc	gtgaggtttt	gactccgaag	acagctatgg	tcttactcga	gacgccgacc	360
aacctctca	tcaagattgt	cgatatcccc	cagattgcca	cagctgcgca	cgaggtcaac	420
ccgagctgct	tgggtggcgg	ggacaacact	atgatgtctc	cgctcctttt	gaacctctt	480
gagctcggtg	cggatattgt	ttatgaaagt	ggaaccaagt	acctgtctgg	ccatcacgat	540
ctcatggcct	gtgtgattgc	tgtgaacgac	cttgctcttg	gggagcggct	gtacttcccc	600
atcaacgctt	cgggatgcgg	cctgtctccg	tttgactcct	ggctcttgat	gcgcggtgtc	660
aagacgctca	aggtgcggat	ggaccagcag	caatccaacg	cgcagcgcat	tgccgagttt	720
ctcgaagccc	atgggttcaa	ggttcgctat	ccggggctgc	ggtctcacc	gcagtacgag	780
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tgtgtcaaca	gtctgatcag	catgccctgt	cggatgagcc	atgccagtat	tgacgcgaaa	960
acgcgacagg	agcgaagcat	gccggaagat	ttgatccggc	tgtgtgttgg	tattgaggat	1020
gtagatgatc	tcattgacga	tttgcgggcg	gcggtaagtc	tctttcactc	tcctgcattc	1080
ttctgcattc	tttcaatgct	aattacgtgt	tcaatagctc	gttcaagccg	gtgcagtcaa	1140

cattactcta gacggattcg aggcgaacgc ctctaa

1176

<210> 10429

<211> 438

<212> DNA

<213> A.fumigatus

<400> 10429

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cccgagttgg	cgtctccgca	aaaccatact	gtcgcacccac	aactacagat	gcaatcgag	120
ttacaatcac	aaggatgca	gcaacgtcac	atgatgggga	atcaaacgcc	gcagatgccg	180
ggacgtcacc	tttccagccc	ggagcttatg	tcgggcctgc	caccggggat	gggcctgcat	240
ggtggccagc	cacagcaagt	atgtggattg	gagaatcagc	atggatggcc	tatgcaaggc	300
ttagaggcgg	cgttgaatgc	cactgggatg	gagaatacca	gtcaggatga	caactggagt	360
agcagttcgc	gaagtggacc	aacggctcct	acgacgctga	acgtcgaaga	ctgggatggt	420
tgtatcagag	atgctctga					438

<210> 10430

<211> 750

<212> DNA

<213> A.fumigatus

<400> 10430

aagaatgcag	aagaatgcag	gagagtgaag	gagacttacc	gcccgcgcga	aatcgtcaat	60
gagatcatct	acatccctca	taccaacaca	cagccggatc	aaatcttccg	gcatcgctcg	120
ctcctgtcgc	gttttcgcgt	caatactggc	atggctcatc	cgacagggca	tgctgatcag	180
actgttgaca	cagccgaagc	tgacactgat	ggcccacagc	ttggcgcttt	cgacgatgag	240
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ggagtgggtg	agctcgtact	gcgggtgaga	ccgcagcccc	ggatagcgaa	ccttgaaccc	360
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cgcaccgagc	tcaagagggt	tcaaaaggag	cggagacatc	atagtgttgt	ccaccgccac	660
caagcagctc	gggttgacct	cgtgcgcagc	tgtggcaatc	tgggggatat	cgacaatctt	720
gatgagaggg	ttggtcggcg	tctcgagtaa				750

<210> 10431

<211> 195

<212> DNA

<213> A.fumigatus

<400> 10431

tgcttgcaag	gaattgaaag	ctacaagacc	cgccaagaac	cttccctgct	catcggattg	60
caccgtgttg	actgttatgt	agacgctctc	gaagcctgcc	gtggcccgcca	ctctagcgat	120
gggctggcag	ctaaggctaa	attcctgttt	gcgaatcaga	attccgacat	tcaccttgca	180
acgacacaaa	attga					195

<210> 10432

<211> 249

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (142), (167), (200), (216), (226)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10432

gatcgtcagt	cgcgctacag	ggtctcgggg	gggaacgata	ctcaagtgcc	tgggctcgtg	60
gctagtatgg	agacttggca	aaccccgggc	catccgcaga	ataagtatat	ctttcgcagt	120
actttcgaag	gcaaagtcaa	cntcggatgg	aactattccc	gcatcantct	catccgggga	180
ctgtgggaac	cccattccan	tgcgttgggc	gtctcngctc	gggaanccgc	tgcaaccctg	240
ccggcggtt						249

<210> 10433

<211> 2070

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1965), (1990), (2023), (2039), (2049)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10433

aaagttctac	gctccgtact	agtagacgtt	gactttgcgg	aagctattcg	gtctcttaag	60
agtaaatccc	ccgacgatca	acagacattg	ctgattgcat	cttggggcggg	aagtcgcccg	120
ctggaagcca	agtatgggca	gtacgtccaa	ggagatgcag	cgaccaccgc	aacactcaga	180
gcccctgggg	tggcgggtcaa	agtccaattt	gaggacaatg	gcaaggatgt	gtccgcattg	240
aacgcagaat	taaagattga	tgcctcgaca	aatgtcctgt	acccgtcgct	tgttcctgta	300
ataaagcaga	tgaccgccgc	catcaaggag	gtcatggaag	gccacgacaa	gccaaggaaa	360
ccatccagtg	ccgccatgtt	acaaccccag	aagctaattg	aggaagcccc	gtttgatacg	420
aaagacgcgg	cctcaatttt	tggtcggtgc	aagggtgaatg	tccgaattct	gattcgcaaa	480
caggaattta	gccttagctg	ccagcccata	gctagagtgg	cgggccacggc	aggcttcgag	540
agcgtctaca	taacagtcaa	cacggtgcaa	tccgatgagc	aggggaagggt	cttggcgggt	600
cttgtagctt	tcaattcctt	gcaggcatca	gtcaagcatg	tgtactcaaa	cgagtcgacc	660
gcaagctttg	acgtgaagtc	catcgatcat	tctctcatga	atagcaaaca	tctgagcagt	720
tcgaagggca	tttcagctgt	gcttcgagtc	agcccagtg	aagtaatgct	taacgcaaag	780
caagttcaag	acctctact	cttccttgaa	atctgggttc	cctccaacga	agagagcaat	840
ggcggcaggg	catttcaacc	ggagtcacaa	gagcctcagg	catatatagt	tcagcggtac	900
caacaagtgg	cagcagcgcc	agcatttccg	tggaatagtg	cggttgccat	tgagaagctt	960
gagattcagc	ttgatctggg	gtctacgctt	ggaaaggcac	agttcgcagt	caacgatctg	1020
tggctgtcat	cgaggaagac	atctgatcga	gaacagtcac	tcagcattgg	tttcaagtct	1080
tctgaggtag	aaagtaaagg	ccgcatgagc	gggtcggtcg	agcttcagat	attgaagatt	1140
cgcacatcca	ttcaatggcc	ggaggagaag	cccaatgcgc	attctgttcc	actcattcag	1200
gcctccatct	ctttccaaca	gctacaagcc	aaggtctctt	tcgattacca	accgttccctg	1260
gtcgccaata	tctcaatggt	cgatttctct	atgtacaatg	tccgaggcac	cattgggtgcg	1320
cctaaacagc	ggctcttcag	cattctagaa	ggagataaag	tgcaagtatt	ctgtactagc	1380
ttgactgctg	cgcaatgtct	ggcgctgatc	caaggctggc	agcggttggc	ccaagacaaa	1440
caagcagcgt	acgaagcatc	actgcgtgaa	gttgagaggt	acctgcgcag	gagagcatcg	1500
gtggctacgg	aaaaaatgga	acccaagcc	aaggaaactg	ccaagaaagc	caaagacacc	1560
aacgatgaga	aggcgcctat	atctctcaac	actggggtgg	tcgtgagcat	caccgaggtc	1620
aatctcggtg	ttttcccgag	ctctttcttc	gataaccaga	ttttcaaact	ggaggcacac	1680
gatgcacagg	cacgattcta	tgtctcgtcg	aaggagggca	agatacacag	tgcgcttgga	1740
ctcacgctgg	ggcagttg	tgtcgtctct	tcggccgtca	accgtcccac	atgtacagac	1800
attgaggatt	ttctagtcat	tgagatcgct	agtcgcgcta	cagggtctcg	ggggggaacg	1860
atcctcaagt	gcctcggctc	gtggctagta	tggagacttg	gcaaaccctg	ggccatccgc	1920
agaataagta	tatctttcgc	agtactttcg	aaggcaaatg	caacntcgga	tggaactatt	1980
ccgcatcan	tctcatccgg	ggactgtggg	aaccccatcc	cantgcgttg	ggcgtctcng	2040
ctcggaanc	cgctgcaacc	cgtccggcgg				2070

<210> 10434
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 10434
 tgcttcgaga gctctctttt cgcacaatcg tcggaattcc tcgttctcga ctggaaggca 60
 attaaactct tcgctgacac ctccgacgag ggcggtttgt tctgctgcag tgtcagtagg 120
 gtatttatcg cccccaacca tataaacata ctaggcactg ttcgccgcac gtatggctcc 180
 catttcttcc tgcgttctct ctctcttgca tcgcgcttca tggcttcgta taacgccgat 240
 cgggcttctc cgaaaaccac catgcgattt tcatga 276

<210> 10435
 <211> 408
 <212> DNA
 <213> A.fumigatus

<400> 10435
 tgcggaatgc agcaagctac gaagccagtc aaggcaaaag cccaagagaa caagaccaca 60
 cgtatgccgc agaacgaact actggatctt atttaccagt gcttcgcga atacaaatac 120
 tggcctttta agacgctcaa ggcgagactc cgacagccag aggcatactc caagcagacc 180
 ctggagatgg ttgcgcatct ggtcaagtcg ggcgattttg ccatgacctg ggaactcaaa 240
 cctgaggcca tggaaaagcaa ctacgcaaat gcactatctt acggcaatgc aaaggaggaa 300
 ctctctctcg ggaccgacta caactttgac gacggctcag aagaggaggc caatgcatct 360
 ggcattggtta ctgataacga tgagatgaaa tttgaggacg ttgtctaa 408

<210> 10436
 <211> 1218
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (90)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10436
 tgttcatctc tgtcactgcg cacaacagtc ttcaatcata ccaaagtcac catgtctgat 60
 cctcttggcc tcatctccag caagtgcctn catcggcgcg tcattctgga cacagcatat 120
 ggccccctta ccatcttatt cggcgacatc ggccggcacca cgggccccgc gctgctcttc 180
 ctgccgggta tgtttgcctc gcgctatctc agtatcccta tgcacgtaat cgcggagcgc 240
 gccggagtg cctgctcgtt ggtcgaccgg ccggggatgg gcgcgtcgac caatgtocca 300
 ctgcgccagc gcatcgccat ctgggtcgat atgctgccac gcctgctggc gcatctgggt 360
 attccgcgcg tcaatctcgt gtcgcacagt gctggaacca tttacctgct caatacgtgg 420
 gcgcaatgcc gtgagcttgt gggccctgtc gttgctttct taggtaattt ccacccttac 480
 cctctctctc ttttttggtt gtttcttggt tgggaagacga ggcaaagaaa caagacgcag 540
 aaaagaagac gtataactca gtactctgtt atagcgccgt ggggtggatct cgcacactcc 600
 cgcgttacag taatgcaaat ggcccagtac gtgcctacca aggcatctgc gatgtggcac 660
 ctcatcccg cacttcgtct aacgcaggcg agccccgtgt tggcgtcaag cggggctgtg 720
 gtccgccggc tgtcatcaca gagcagccga ggccggcgga tcgctcgttc ctcgatgcca 780
 attggcggcg agtcgaacgt gattacggcg tgccgcacgc tgaacaggcg gaactcgcgc 840
 gtctcgctt ccggtttatg tatgaaaagg acaccgttgg ggcaatagc gaggccttgc 900
 agtgtcttc gaaaggcgac ggtagcaact gggggcgctt gctcggacta cgctcactgt 960
 gtgcaggcac tggcagccgg cgaacggctc acagggtggc gagtcagtgt ccggacatat 1020
 tttgctgcc aaggatgcctt ggtgggcagc ggggggcaaa agtactttga ggagtgtctg 1080
 cgagcaccgg ggttggaagg cattgactat atctccacga cgatcgacgg aacagaccac 1140

gacactctgg tgcagtcagt ggaggtatgg gaggagatat tctcttcggt accgcaaag 1200
actttgtatg accggtaa 1218

<210> 10437
<211> 186
<212> DNA
<213> A.fumigatus

<400> 10437
ctacgtgatg tctctttccc cctatgctta agtttgcccg ctgatagaat gtcctcggtt 60
tggaatttag tcgaatgcag tcattctattc ttgcgaaaga aagattttgt cctgaatgat 120
gaacaacacc tagcagaaat ggtgtcactt atggggcctc cgggcctccc cctcaggact 180
tcctga 186

<210> 10438
<211> 261
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (164), (170)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10438
ttgtgtatgt tccgcctggt cacctacacc ggcatttgca cgtgtaatat ggccgctcgtt 60
ctcatcaagc tcagcaccaa caacggaaga ccgcgattcg ggtcgagtcc tatggacacc 120
tctttcctcc gagtcattggt cttgtactct gagaatttct gtanaagtan tggacgtttg 180
ccctgtagtt ttcactcttt cgactatgag aaccagcatg acgagatcga gaatcagcac 240
aagaaaatcg agcaaaaata a 261

<210> 10439
<211> 210
<212> DNA
<213> A.fumigatus

<400> 10439
catttctctc tccaggagcg tataatctgc ctcaatggcg aagtagacga aaccatgtcc 60
gcgtcgatag tcgccagct cctcttctc gaagccgaca accctcagaa acctatccac 120
ctatacatta attctcccg tggctcagtg acagctggta attccaatgc atccgatatc 180
gctgtcgttt gtacaaaagg actaatctaa 210

<210> 10440
<211> 489
<212> DNA
<213> A.fumigatus

<400> 10440
ttccaatgca tccgatatcg ctgtcgtttg tacaaaagga ctaatctaac acacctatac 60
ttaggcctcg ccatctacga cacaatgacc tacattgcat ccccgatcag cacaatctgc 120
gttgacagc cagcctccat gggatcgcta ttgctttgcg gcggcgatcc ggggaaacgg 180
tactgcctcc cactctgctc tataatgata caccagccct cgggtgggta cttcggacaa 240
gcgagcgata tcgccattca cgccaaagag attctacgtg ttgcgaacca attgaacaag 300
atctaccagc ggcacctgac agggaagaaa gtgctgtctc ttgaggagat cgagaagttg 360
atggaacgtg attactttat gggggctcag gaggttttg agatgggtat cgtcgacgag 420
attttggaac gcagggtaaa gccgcaaat gaaggaggag aaggcgaagg gaagccacca 480

gtgccgtga

489

<210> 10441

<211> 381

<212> DNA

<213> A.fumigatus

<400> 10441

cactatcgat	actgggtgat	ctggcggata	ccaagtgtcc	gattcctcga	ctaccagaaa	60
gtgaaagacg	cggagcgggc	aaaggcgaag	gagctatttg	gtacagccga	agaaccacaca	120
gctctcgcgt	cgaagattat	gggcatcaaa	tctcgtacct	ttgatgtacc	gtctggcggc	180
gctgagcgag	caccggcaga	caaagctgtt	agggccaagc	tgaccgagaa	ggagaggaag	240
cgggtcgaaa	agatgatccg	tgaggcgaga	agtctccagg	agatcactag	actggagaag	300
gaactgaatg	aagggcggat	acccggaggc	gctctcgatg	ctgggtgagga	cagcgaagac	360
gagaatcaga	tgcagacgtg	a				381

<210> 10442

<211> 309

<212> DNA

<213> A.fumigatus

<400> 10442

gaccaagatg	cgatcgactt	tacggataac	gatatctcct	ccctggggaa	tttccccttc	60
tttctcgtc	ttcacacctt	ccttcttgcg	cgcaatcggg	tgaaacatat	tcagcccacg	120
atagcttcca	caatcccca	cctgacgacg	ctggctctca	cagcaaaca	tatggccgaa	180
ttggcggact	tggaccccc	ccgaaacctg	acacgcctga	ctcatctggt	gttactggag	240
aaccctgtta	cgaggaaaga	ggtgagctgt	cctgtattcc	gtcgcgtggt	ccgtttttaga	300
attcaatga						309

<210> 10443

<211> 318

<212> DNA

<213> A.fumigatus

<400> 10443

ttcaaaccct	gttctaattg	gctgccattt	gtcatatctg	aacgagattg	tctacggagt	60
actccagcca	aatacctagc	cttgagactt	gaacaacca	atgaccaact	tctctgggtg	120
atztatggcg	aagaaagtta	cgaaataaac	ttccggcctt	tattggacca	ggttatgact	180
gaccaggatg	gctgcttcca	tccatccata	atattgaatc	cgaagaacat	cagtgaagta	240
acttcgtacg	gagtagattc	taaattcacc	tcttatgtta	tgcttgata	tttgtatttc	300
acaccgtctg	ctgtatga					318

<210> 10444

<211> 240

<212> DNA

<213> A.fumigatus

<400> 10444

ttcgctgtga	tgagacgaat	gacgatcgac	aacgttgctg	aaaggaatga	cgattgtatc	60
aacggcccac	agcgaggagt	gattcctggc	atatctatct	tctattctga	caggggaagtg	120
gctgcctcca	gcaagccttc	tgggaaaggt	tctctgtcc	ttagtaggct	gatcggttc	180
tatgttgctc	ttcgcaacca	acgaagggtc	agcgacgcca	gcttcaagta	catcttctga	240

<210> 10445

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10445

tctcgggtgta gatcgactcg tgttaggatac ctggcggttga tgaagagtgt tgtcatggcc	60
aactactctc tctgggtaag ttagagagtg tattacttcc cttctacgga gtatcatcgc	120
gaggataaga caaagcatct aatacagagt aatttaggta ctcgacatag gcatgattcg	180
cctgtatga	189

<210> 10446

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10446

atcctgtctc gtccatctcg actgcccgcac tctggactga ttcttactgt gtctatacaa	60
gtcgtccatg ccacgcaatg gattgctgag atcgtcgggc tctctaagct aggcacatcc	120
gcgtgtgacg tgtcaaacct ggaatttttc atgaatcatg aatggccttc gctgatccgt	180
acgtag	186

<210> 10447

<211> 336

<212> DNA

<213> A.fumigatus

<400> 10447

tcacgggaaa cagcggcttc caacttcctt gatcatcgag gcacagcaac tgcgttcccc	60
ctggcagcat ttggcctgag cgccttcttc tgggtccaccg tgtctgcggt aatctttaag	120
acgaccacgg aaaaattcct tcttctcttg gcccttagaa acttcttatt aaaacctgtc	180
gttatacaat ttttcccggt tcttgcaacc cgtggccaat accaaccttt gtccctattg	240
ggggaaactt actgggaatc cggcccggtt ggtactacta ggtcccctga acttaccat	300
ttcttaatat aagaagtttg tgaaccagc ccccaa	336

<210> 10448

<211> 567

<212> DNA

<213> A.fumigatus

<400> 10448

gtatccacc agacgaacca gaagagtacc atgaactcag ctcatatgac ttcgcagatc	60
aacctcatcg tctttctcat catctcgggt gtatccgttc aacctgtggt gcaggaacat	120
aatcctcggg ccgggttggt gcaagcggca atggtgacgg ttatttgac gtacttgact	180
atgtctgccg ttccatgga acccgatgac cgccaatgca accctttgat ccgcgccga	240
ggcacgcgaa cggccaccgt cgttatgggt gccatcgtca ccatggcgac tatcgcatat	300
accacgaccc gtgccgccac ccaaagtctt atggttaggggt ctcaagccgc ccatggccag	360
tacgcgcagt tgagaacaga cgacaacgag catgggctcg tcaactcagca gccagtcgc	420
cgtgagatgc gtgccgaggt tcttcgtgct gctgtggaga gcggtagttt gccggctagc	480
gcattggacg agagtgatga tgagtccgat gagtataata cccaggacga cgagaggggc	540
tcgacgcaac accactactc tgcttga	567

<210> 10449

<211> 747

<212> DNA

<213> A.fumigatus

<400> 10449

gtcgtgacg ccttggtcgc cggatcaaac agtatgatga cacgaatcgc ttatgctttc	60
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attctcttga	tcaattcgat	tgtttcctgg	ataatgctca	caccatgggc	gctgaagaag	120
ttggagcata	tgacgctaga	ttacatggaa	atacgggtgcg	atgggaaaga	gagtcatggt	180
tgggtggcgg	tacatcgat	caacttcggt	ctcggcctct	tccatctcat	tctcgctcta	240
atgttgcttg	gcgtgaaatc	gtccaggaat	ggtcgggctg	ttctgcaaaa	tggtttctgg	300
ggccccaagg	tcatcttatg	gattgccctc	gtcgtgacgt	cgttcttcat	cccgagtca	360
ttcttcctcg	tatacgggtca	ttacatcgct	ttcttctgtg	cgatgctctt	cctgctcctt	420
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gaggacaatg	attctcggct	gtggcgcgga	ctgctcatcg	gctcaacgct	cggcatgtac	540
attgcatcga	ttgcgatgac	cgtgctgatg	tatgtgttct	tcgctaagaa	gcactgttct	600
atgaatcaag	cagctatcac	ggtaagtatc	ccaccagacg	aaccagaaga	gtaccatgaa	660
ctcagctcat	atgacttcgc	agatcaacct	catcgtcttt	ctcatcatct	cggttgtatc	720
cgttcaacct	gtggtgcagg	aacataa				747

<210> 10450

<211> 780

<212> DNA

<213> A.fumigatus

<400> 10450

ctagcccacc	cacaccgctt	cccgctgtgg	gtgagctaca	ccgtaatcac	caattttcga	60
tattttgacc	tttcgaagct	attcccacca	cccaacatgc	ctaaatctat	taaatttaat	120
gaatctgacc	tccttaaggc	ctgcgaagcc	gctcaggccc	aaaataaacc	gaatatctcc	180
aagattgctc	gtgaatatgg	cgttccttat	tcaacactac	gtgatcgcat	taaaaagggc	240
agacaggctc	gtacagctcg	gaaaccagt	aataaagcac	ttgatgggta	ccaggaggaa	300
gccttaatac	agtggatagt	ctggatgcga	gatcataaca	tgccagtgc	acctaagcta	360
ctagaagagt	ttgcaaatca	gtcacttcaa	cgcgtcgttg	aagctagaca	ggttagtagg	420
gtatgggcat	atcgttttga	aaaacgactc	ccagaacacc	tcaatctggg	ccctgtgaag	480
caaaagatga	aggaatcaaa	gcgtatcaag	gctgaggatg	ctggtttact	agcgaattgg	540
tataatcagc	ttgccaatgt	ggttaaagat	acaccaccac	gatttggata	caactttgat	600
gaatgtggct	tccgacctgg	cgaaggcaag	gcaaggaatg	tgattggatt	aaaaggttct	660
tgctttgatc	ttgctgaatc	tgagaagggt	gagaatataa	caactatcga	atgtattgct	720
gcagatggtt	ggcagatgga	tccatggttt	atctttaaag	gcaagctcct	actcttttag	780

<210> 10451

<211> 642

<212> DNA

<213> A.fumigatus

<400> 10451

cctttcttgc	ttcctaaagg	caacgggatc	ttcatggaat	gttgggttaa	cgagagcgag	60
gccctaccac	taaatataac	gatagctacg	caagccaatg	gctggatatc	agatgaacta	120
gcccataaat	ggcttcaaa	ctttatcaag	gcaacaaatg	agcgtacaaa	gagaggagag	180
aaacgaatac	ttatatattga	tggtcatggc	tcccatctta	ctgttgattt	cttacagaca	240
tgccaagata	atggggttat	tcccttttga	ttccttctc	atacaacaca	cctttgccag	300
ccactggatg	gcaagccatt	cttgagctat	aagcaacact	tccgacgtat	aaataatgag	360
ctatcttact	gggctgggtga	gccagtaggg	aagtcagaat	tcttacgggt	gattggacct	420
gtacgggaga	aagccttcaa	ccaacgaatt	atctgtgagg	ccttcaaaga	tcgtgggtatc	480
tggcctgttg	atggtagtaa	gatagtcgac	aatcttgcta	tccaggcatg	ggaacaaatt	540
ccagatgtct	acgcgcctga	tcttgatgca	tgcttagag	ggacaccctc	tccaccacct	600
atctcctcat	ctagtgtgga	tatcaccctc	ccaaggacga	tt		642

<210> 10452

<211> 804

<212> DNA

<213> A.fumigatus

<400> 10452

tcttccttta	tacaacctcc	tatcctctcg	gaacgatttg	ctgctaccgc	cgccttccag	60
tactacagtc	gtctcccttc	cctgcagaat	ctggctcgctt	tcataccaaca	caagttctgt	120
gaccggctcg	acgagaaatg	cgttcatcat	gcggaatcca	tactttcggc	cgactcggtc	180
gatgtcaact	acgacagcat	ctcgcatgcg	ctgaccgtgt	ctgggtattg	gtcgacatca	240
cccggccaag	gatggaccga	gcagatccgg	aagcatgccg	cagatacaca	ccaggctcgag	300
gtcgggctgc	tccgtgtcga	gagcgccacg	gagcccgagg	aactgaaaat	gggtgggtcta	360
ctcgggggtg	ttggacagga	cgaaaagtgt	agtacgttgg	gaaaaatgaa	aggacagacg	420
gagttggcac	ccattgctga	ccatgttcca	gaaccgacct	tgttttcatt	tccctcgcgc	480
caccatcctc	tcccagctga	tgcgacctac	accgtctcct	tccccgcccc	aaccgggctc	540
catccactc	taaccatctc	aatgcctcgc	gcgtcgctga	ggcgcccccc	cgcacccccg	600
ggacgccacg	tgcgccctcc	acacatacct	gacctccccg	tcgtggatct	tcggcgacaa	660
ataccagctc	tcaaccaccg	accgcctctt	cctcagctcc	cacaacctag	ccgctctccg	720
cgctgtaaca	ggagaaacag	atctcgaagc	cccagacggg	ttcttctctc	gatggggctc	780
aaactggctg	ctcgagctcc	ctaa				804

<210> 10453

<211> 480

<212> DNA

<213> A.fumigatus

<400> 10453

ggcgcccccc	cgcacccccg	ggacgccacg	tgcgccctcc	acacatacct	gacctccccg	60
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cacaacctag	ccgctctccg	cgctgtaaca	ggagaaacag	atctcgaagc	cccagacggg	180
ttcttctctc	gatggggctc	aaactggctg	ctcgagctcc	ctaaccctct	tccccgggga	240
taccagccag	aagagtggaa	ccctccaat	ccctttgcac	ctgccaaacc	tggaccccc	300
gaattcgggt	accgttctgc	cgcggttcct	cggccgatcg	tcttctggcc	ttctcgga	360
aaaaaggccc	aaaatgggtt	caaccctttg	aattgggtaa	tctccgggga	agggcttttt	420
tggggccga	actatttctt	tttttcccc	ggccccggcg	aaggcaggaa	cccttcttaa	480

<210> 10454

<211> 678

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (54)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10454

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ggcagaggca	ggggcagggg	caggggcttc	ggccctcact	tttaccactt	ccaccatgcg	180
atgcatcccc	gcttccactt	ttttcaccac	tcacacgacc	cgaccagggt	cacgcccccg	240
gtcgatgtct	tcgtcacacc	taccacaccc	atcatccaag	tctcgctccc	gggagctcaa	300
agatcggatt	tgagcgttgc	gtatgatgca	tcgcgtgccg	tgctccgcat	ggctgggggt	360
gtgctccgtc	ccggagttga	tgaggagatg	cgtcgggctt	tgctaatacg	ggagagaggg	420
cgtcacttgg	gggtgtttga	aaggagatg	ccgatctccc	acagcgttgc	cgtcgagggg	480
atccgtgctc	gactggttga	tggcgttctg	cgggttgcac	ttcctagagt	cgagggagac	540
gttccacaac	ccgacgagga	gatggacgag	gtggacaggg	agagtgcagg	caggggaattc	600
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aaggtggata	tccagtga					678

<210> 10455

<211> 195
 <212> DNA
 <213> A.fumigatus

<400> 10455
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 ctttggaact acgttaaggc ttactcgacc gcaatccagg gcagcatcaa cagcaggcaa 120
 gtcttcattt tgagcaatct gtttatgttg cgtctaactg gcgttactat ccggagtttc 180
 gacggagaag ggtga 195

<210> 10456
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 10456
 ctaatttttt ttcagttact acaaactcat ctaaaagaga tggtcagcat catctacact 60
 ccaacagaag gagacgccat tcaaaactac tcacgtttgt tcaggaggcc agaaggctgc 120
 ttccataata tcaatgacca ggacgcgatt gaagagtgtc tgtccaattt cggtcgcggt 180
 gaggatattg attacatcgt cgtcagcgac ggcgaaagagg taccggacc ttttcattcc 240
 cattgctacc tcatgcacga ttctgacagg gtcaactaca gattctcgga attggcgacc 300
 aaggtgttgg tgcgattctg a 321

<210> 10457
 <211> 384
 <212> DNA
 <213> A.fumigatus

<400> 10457
 ggaagagcca atttccacta tgcaagggtg ccaatggatg gcatactgat ggaggccgtc 60
 caggggatga gtgtcataca taatcccacc ttcaacaagg gctctgcctt tactgaagag 120
 gagcgaaaaa atttcaagct acacggctta gtacccccga atacgcagac gcttgaggaa 180
 caagtccacc gtgcatatga acagtacagt agccgagcgg atgacctagc aaagaacact 240
 ttcatggcta gcatgaagat gcaaaatgaa gttttgtatt ttagagtaag taccattatt 300
 tttaaagggg aagcagatat ttgcgaaaca ttctttaccc atgtcacggt cgatattgag 360
 ttcgaaaatc tgcttcgtga ctaa 384

<210> 10458
 <211> 462
 <212> DNA
 <213> A.fumigatus

<400> 10458
 tgctttgccc ctttgcaact tactcaacct ttttcaggt gtttagacaa gccaggattg 60
 ctagttaaagt ccttaggtga ccaattgatg ccggcacaga aaccttttgc ggcagcgat 120
 tatgagtggc ctgacgggga gagggatctg ctatctgtag tgaaaaaagt caagcccat 180
 gcgctgattg ggacatcgac aaagcccaac gctttcacag aagagataat ccgagaaatg 240
 gccaagcatg tccacagtcc aattgtatct ccattgagta atcctacgcg gctgcatgag 300
 gcacagccca aggatatcaa ccagtggaca aatggctcag cgttgatagc gactgggagc 360
 cccttcccac cagttgatcg caacggggca aagtatgaga ttggtaagta cagattgtca 420
 aaagtttcta gacatgacat gactcattgg aaaaccctat ag 462

<210> 10459
 <211> 183
 <212> DNA
 <213> A.fumigatus

<400> 10459

caggggtcaac tacagattct cggaattggc gaccaaggtg ttggtgcat tctgatatcc	60
gtcgccaagt tggtaatcac aactatttgc gctggaatcc acccaagccg gcagcttcca	120
gtagttcttg actgtggtac agatgtaggg ctgcgagaca tcaacaggag ccttgtgtgc	180
taa	183

<210> 10460

<211> 285

<212> DNA

<213> A.fumigatus

<400> 10460

cgtcccttcg cagtgaagac tttggccttc atagatgcc aagacttct cgatggattt	60
cgaccacaca tggcctgctt caatgatgat atccaaggaa ccgggtgtgt cactctggcg	120
gcattaatgg ccgcttttgc cgtcagtgac gtcaaattgc aggacgtgcg catcgtcatc	180
tttggttccg gttctgctgg gactggtatt gcacagcaaa ttgctggtac aattgcgacg	240
gagaccata aatcaaagga cgaagcggca aagcaaatct ggtaa	285

<210> 10461

<211> 501

<212> DNA

<213> A.fumigatus

<400> 10461

tgccgccaga gtgacacacc cggttccttg gatatcatca ttgaagcagg ccatgtgtgg	60
tcgaaatcca tcgagaagtc ttttggcatc tatgaaggcc aaagtcttca ctgcgaaggg	120
acgtcagtcg catggcttgc ggttcaaatt ggggccaaag acgagactca atttcaactca	180
caaattggatg tatgctttgg ggaaaagctt tctagcagtg gtgacgaatc tattcacaaa	240
ttgatcatac tcctttcctc tagctcgggg ttgtcgaagg ccgaggtaaa gctcatcgtc	300
aagcagtttt tgattctatc accggtgtta gcacacaagg ctctgttga tgtctgagag	360
ccctacatct gtaccacagt ccagaactac tggaaagctgc cggcttgggt ggattccagc	420
gcaaattagtt gtgattacca acttggcgac ggatatcaga atcgcaccaa caccttggtc	480
gccaattccg agaatctgta g	501

<210> 10462

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10462

ctttctggcg gggtcacaaa ctggaataat tatggcatga cgtatgggtg gatgatgtct	60
cgacaaaaat catgccatcg tacctacagg tcaaaatata aggtatgcct tcagtatcta	120
aacggcccag ctatatatct tgactcggac ttcatcaagt gcaacaatt tgacaacact	180
tatcaaagca tcgaactgta a	201

<210> 10463

<211> 465

<212> DNA

<213> A.fumigatus

<400> 10463

acacctggaa aaaggttgag taagttgcaa aggggcaaag catcaatttc ccgcaaggct	60
taccagattt gctttgcgcg ttcgtccttt gatttatggg tctccgtcgc aattgtacca	120
gcaatttgct gtgcaatacc agtcccagca gaaccggaac caaagatgac gatgcgcacg	180
tcctgcaatt tgacgtcact gacgtgcaaa gcggccatta atgccgccag agtgacacac	240

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ccggttcctt ggatatcatt attgaagcag gccatgtgtg gtcgaaatcc atcgagaagt 300
cttttggcat ctatgaaggc caaagtcttc actgcgaagg gacgtcagtc gcatggcttg 360
cggttcaaat tgcggccaaa gacgagactc aatttcactc acaaattgat gtatgctttg 420
gggaaaagct ttctagcagt ggtgacgaat ctattcacia attga 465

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<210> 10464

<211> 1416

<212> DNA

<213> A.fumigatus

<400> 10464

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aagagcttcc atgaggtgat gtgtctggcc aaagagcgag acgtggacat ggtactcctt 180
gctggcgatc ttttccatga gaacaagccg tcccgaat ccatgtacca ggtcatgcga 240
tctatccgaa tgaactgctt gggtgacaag ccttgtgagc tggagatgct cagtgatgcg 300
agtgagaact ttcaaggggc cttcaaccac gtcaattacg aagatttggg catcaatggt 360
gcgattccga ttttctcaat ccacggaaat cagcagacc cgtcaggcca gggcatctg 420
gcagccttgg atctgtcca ggtttcggga ctgttaaatt actacggtag aacaccggag 480
tccgacaaca tccatatcaa gccagtgtc ttacagaaag ggcgtacaaa gttagctctg 540
tatggtatga gtaatgtacg ggatgagagg ctgttcagaa cattccgaga cggtaaagtg 600
aagttctatc agccttctat tcaaaaaaac gattggttca atttgatgtg cgtccatcag 660
aaccatcacg catataccga gacgggttat cttccagaaa atttcctccc agacttcctc 720
gacctggtca tctggggcca cgaacacgaa tgcttaatca atccaagact caatccggaa 780
acgaaattcc atgtcatgca gcctggatcg tcggtagcga cgtcgtcgt tcctggtgaa 840
gcggtcccaa agcacgtggc gattctcagc atcactggtc gggagttcaa atgtgagcca 900
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gtgggaaagg tcgccaacgt gaacgacgtg gtgcaattct accggaagaa gaagaatacc 1260
accacacgca agaaggacga cgaaatcgat gaagccgcca tgtctcagct gtccactctg 1320
gacacagtca aggtggagca gctggtgcgc gattttctcg ccgccactc gttgatattc 1380
cttcgactaa acagaccgga ctggaaacta cgcccc 1416

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<210> 10465

<211> 2226

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (15)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10465

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tatacgcaatt gcgcnggtcc tttcagggcc cctgtggtgg agacaagtct gtaccactg 60
gaatgcaccc acaacttcac agcggactat gtctggaaat caacctcttt cgtatgtatg 120
cagctcgcca tgaagacttt cgtgtgtgac gaaatgagcg tgtccgggta tatcttccat 180
cgctccttg gacatgaagt tgccgctgca ccgataaga ctcagctacc gaaaaaatc 240
agtgttcttg gcttgcccga gctcaacgga agccagatca atgcagtcaa aagtgtgcta 300
cagcggccca tgagcttgat tcagggtccc ccaggaaccg gaaagactgt tacgtctgcc 360
acgattatct accatctcgc aaaggtcaac ggaggtcaag tcttagtctg cgcaccatct 420
aacgttgccg tcgatcagct gtgcgagcgt attcacagga ctggtctcaa gacagtacgt 480
gtgactgccca agtcgcgtga ggatgttgag tcaccctggg gcttcctttc cctgcacgag 540

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caagttcggc	tgaacgacag	caacattgaa	ctcatcaagc	tcaaccagct	caaggccgag	600
ctgggcgaat	tgtcgagtca	agacgagaag	cgtttgaagc	agctcactcg	ttctgctgag	660
cgtgagattt	tgaacaatgc	cgacgtcatt	tgtgtacttt	gtgtcggcgc	tggcgacccg	720
cggcttgcca	agctcaagtt	ccgcaccgtc	ttgattgatg	aatcgacgca	gtcggctgag	780
cctgagtgtg	tgattccact	ggttcttggg	tgcaagcagg	tcgttctggg	tggatgatcac	840
cagcagcttg	gacctgttat	tatgaacaaa	aaagcggcta	aagcgggctt	gaaccaatcc	900
ctctttgagc	ggctcggtat	cctcggctgc	tcccctattc	gattgaatgt	gcagtaccgt	960
atgcacccgt	gcttgtcaga	gttcccatcg	aatatgttct	atgaaggatc	tttgcaaaat	1020
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caacggttcc	agatggctta	caaccatgca	tccaacgtca	ccagtggaat	gatgaacggt	1680
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ggggccagag	gaaaaggagc	acctagcggt	gccggcgcaat	ctgtggcagc	tactgagtc	1920
gacattacgg	gaagtatcat	cgatggaagg	agcgttgatc	agggcggtgt	tagtcttgct	1980
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gatgatgatg	acactcgcag	cgtctccacc	gcttttgcca	gccaaagtcg	aggtaactac	2220
gattga						2226

<210> 10466

<211> 2436

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (9)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10466

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ttcaaaaactg	gtgaggatgg	agaagtggat	gaaccgctac	aaggacattc	gattcatcga	420
aggctctcaa	gatcaaataa	cgaacctcat	gaatttgatg	aaagaccttc	cgatgtgcca	480
ccgctggcac	atgtgttccc	atttcaaaca	tgggaaaaca	cctccccgcc	gaagggaagt	540
cagcgtcctg	tgaagaaagt	ctcaatggat	gtacgcagca	tatcagagtc	gtcagctact	600
tcaattctct	ctcgcaccac	caccattgaa	tcaatgacca	gtgcaattga	aggggacagc	660
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gttgacagtc	gccagccgga	ggctctcaag	tacttgctca	gcctggaaga	gtactattca	780
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gagcgaacaa ttgctgggta ccttaaaaaa gcagacatgc acggacgcac agttgcccac 960
tattttattha gtacgccatc agtaatgtat agactggaaa gactcgttcc ttggcgacaa 1020
cgtgacagaa atggccagac gccgctgtat gctctgtgca gatcctatga ccatcccgat 1080
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tttgttgagg atgccacagt acgctttgtt ttgaagtccg gcgcccacag ctctcagacc 1560
cagtcaaacg agtctcgagc tggctccacc acttataccg tctactacatg tcgtcgcacc 1620
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caggagccta caaacgcgct ccctcggtca catgtggacg ctttcgcccg ctacgcctcg 2160
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tcgatcgaca acacgactgt cgcaatactc cgttcgctct ctgcacctat ttctgctcat 2280
atcgaactta caatccacaa cccgcaatct gtccggcaat cgcacgtctc tcatctcatc 2340
gtccttgccc cggaaattca acatcaactt ccctggcctg gaggaatccc gacaaaagtc 2400
agttcgcgat ctggaacaga agattcaaga ggctga 2436

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<210> 10467

<211> 318

<212> DNA

<213> A.fumigatus

<400> 10467

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agtggcgggc agtgccaccc gaccagctct tcgtcaaaac tgtcggcctc gcttactgcg 60
tcggactcag cgtcggactc atctgcccgt ggagcggtag aacatctgtc ttcgcccagt 120
tcgacgctag caatcttggg agtttcgtcc gctgagccct gtcgccttc gtcattgctg 180
gcgatagttt cgggaatgct acgcgcgctg tcatctgcgc ggttgacact aaacgaagga 240
acccagtag ttacctgcgg ttccagagat tctctagctg atgaaaggtc tgtttgggtc 300
gaaatatcat ggacgtga 318

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<210> 10468

<211> 564

<212> DNA

<213> A.fumigatus

<400> 10468

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cctttacttc ttcagagtat gtttatccag cagaagaacc gaatgccaca caagactaac 60
tcccgcacag ccaatctcca aaacctaacc acttcgtcat cagtaacatc agcggtaaac 120
tccgctctcg agtcagctgg cgtcgatata tcgagtaccg acctggccaa ggccctcgac 180
gaggcacaaa agcaactcaa gatcaaggat ttctacgata tcggctctctg gggctattgc 240
gacggagatg tcaccaatgg caactacaag acccagaatt gttccaagcc caaggccgag 300
ttttacttca accctatcac aatctggcaa ctcaacgata ccggtgtgga ggacgtcctg 360
ccgaaagatc tgtccaaggc tttggatgtt tacaagaatg tctccaagtg gatgttcac 420
gcctacatcg ttgcctttat cgtgaccata gtgcagcttg tcgtcgggtc ctttgccatc 480
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gtctcggtat attcccgta ctga 564

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<210> 10469
 <211> 405
 <212> DNA
 <213> A.fumigatus

<400> 10469
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 atctacattg ccacctggct agcggtcgcc ttctccctgg ccggcagcct cttctggatc 180
 atttcctcat gctgctgctc cggccgttcc ccctaccacg gtcctcagca gacccgcggc 240
 gtcaccgccc aaaaggcacc ttatacctat gagcctcttg gtccctcaggc caaccagacc 300
 cctgctgcct ttggcaacac ttcgtaccgc cctccggctc atggtaccca tgttcccatg 360
 cagaatatga ggaacaacgc ctacgagccc ttccgccatg tctaa 405

<210> 10470
 <211> 1911
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (880)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10470
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 gcggcgaatt cgtcttctca atcacgaatt tgcaacactt atcgtagcaa tgatgaggcg 120
 aaggatcaca cttttcagga gatgtccaat tcaacgcaag cgcattggac tgcggaatcc 180
 agtgaagtca atataatgga aactcagctc agcgggtggg agtgggtcatt tccaggcacg 240
 acttccccga attcagctca actgtcgaac tcctgtggcc caagggaccg tgagccgagc 300
 gtattcatca ctgcatcccc gggtcacgta gaagactcat cgaatccatt ttcgtcatat 360
 cgagaggctc actcttttat gcagactgac gatggaaatg caacatcaac cggctatccc 420
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 gaaattgaca tggagcagac ttctcctgcg aaaagaccaa aggtggcgtg cagcgaagac 540
 ggtgactctg tccaagagct tgcgttcagc gtgatttctc gccgagaaac ctacatcaac 600
 cgctccgcgg agcacgccga ggcacagaaa gtttacgaga agttccggag tgactacctc 660
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 gaatataaac gttacatcaa tgaaatcgcg gcagccgacc tcaagacaat ggagtacgaa 840
 aattttcttcg cctcctatat attgaagccg tcgtacaaan aacgcagctc cacagcgaag 900
 gggattgaaa tatctgctgc gcagcatgaa ccttcgaggg ccgccggcgt cccagtgate 960
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 agcacaggcg catttttggtc cgacgatccc aacacgcat tcaaggtgtt ggcccagcgc 1740
 gatgcgaatg tgagggtccga gctactgcgc cgtgggatgg cccgtttccc tgtcgacgag 1800

agaggagtca tccaaccact agttgactat cgcceaatgg tttctttgcg cgatttgctg 1860
gaccgacatc ctccaagtcc cgcgcgtccc tcagatgaac cggaaggctg a 1911

<210> 10471
<211> 255
<212> DNA
<213> A.fumigatus

<400> 10471
tacagtaaac atgcaagtga atactatgac ccatgccaaag atttcgcaga tcgaagtctc 60
aagtgcataga agcgggaacgc ctttgacaaa gatatgtgtg gagactactt ccagtagctt 120
tgttccattc tttcctgcca atctgtgctg gtgttcagtt ttgtgagctt aaacgaacta 180
atctattttc tgaaagagcc taccgtgact gtaaaaagga atgggtatgt tgaactagtt 240
aaagtcattc attag 255

<210> 10472
<211> 354
<212> DNA
<213> A.fumigatus

<400> 10472
aaacatccca agactctcgc tattgtttca cggattgctg gtgttgattt gggtcccgctc 60
atggactacg agataggaca tatcaacatt tccgttcaga gcgaagagga caaagccgaa 120
tttcttgacg cagtggcgga gaagaacagt caggaggctg gtaagaatgt ttccgacagt 180
gcttgggaag gcaaggatcc gattgtggat tggcacactg acggctatca ctatgtctgc 240
gtggtgatat tctccgactg cgaggacatg attgagagag aaacagaact gagaagaggc 300
aatgacgaaa agatcaaggt ccggagcccc cagatggtaa gtcggctttc atga 354

<210> 10473
<211> 1425
<212> DNA
<213> A.fumigatus

<400> 10473
cgtcgtggat gcgcacgcgt atcgtccctt gcaatgggtc ctcatcggcg ctctcttcc 60
tccgaccacc accacccttc gctccacgat agttatcagc cttcgagttc ctccgatgag 120
ccatgggacg tgcggccaga gaatggcaca aaggcggtg aaatgcgtga gttggatggg 180
aatgggaacg ctgacttgcc gcgaccggag acgcctacaa gcgagaccac agaccgggac 240
ataaccacga acgggaacga atcgcaaacg ttgcggcttc agaggccgaa atctatacgt 300
caagaaacgg atgatattgg cgagactatg gatgataccg ctacggcgaa tggggcttcg 360
gataaccagg agtctcacca cggttacgcc gagctgaaag ctggacagtt tccgccacag 420
caggctctgg ggctcgtttt tgaacatact aataatgggt atgacgcca ccggacatcg 480
ttggtcgatg tgcttcaggg ggctgaggct ggccgcgcgc tgaatggctg gcctgagaag 540
atgtcgccct cgaaagggca ggatatggag cgagaccgag agaaggttct gaagctgtct 600
ccggcgaaga tccaggagct cacgtcgtcg ccgcagtcaa taccgtatcg tctgtggct 660
tcggagaccg agcaaggccg acgggtgttg tcggatggca tacataccac ggggtgcagag 720
tcggacgagg gcgagtcgag agctcacgct ggccatcttg ctagagatta ccagtcaggg 780
gatggattgg ggctgggaat ctccgctgcg tcgaaaaatt ccgtgtccaa cggctcgtacg 840
cgccacacg cctcgcgga cgtctcgact cccacctcat cgcgacgacc gacgctaccg 900
ggcaccaacg aacggctagc gcagacgtg gcatcccggg cgaaaccgga ccgcccgggg 960
atcggctctg ggaacagtcg cttggagcag gaatccaagc gccaaactcag cccttcgcca 1020
gtcatcaccg aacctgcctt gccctctccc atgccaccgt ccatcccgt tccctcgctg 1080
tcggtgcccga cgtacctgca attggagctc tcgtccggct gaccatcccc tttgtatata 1140
catcgtctcg tcacgaatga tttcccgtat gagtcgtcgc gcgtcaaaact cgagcgcttg 1200
tcaagttttc tgagactgcc gccggccctg gagcaggtgc tctgggtttg aattctggcg 1260
tgcttggatg cgtggctgta ttcttccacg atcctcccc tgcgcttctg caaggctttg 1320

tatattctgt	tggaatcctg	gttagtcaac	ctgggcatgg	agtttcgttt	tgtctcagac	1380
tttgtcatca	agggaaatcgg	gagagtctgg	cagaggcaga	aataa		1425

<210> 10474
 <211> 1137
 <212> DNA
 <213> A.fumigatus

<400> 10474	
tcagccccgg	60
tcgcggaagc	120
tgaacgtaga	180
ccgcgaggta	240
cttcggcaga	300
gcgaggacca	360
agaaccaagt	420
ccggggaatc	480
gcgacgacgg	540
caccgtgccg	600
atacacacaa	660
gtaccaacat	720
cgccggcaaa	780
agtccatacc	840
ctctgccctt	900
ctgcctgacg	960
acaaggccga	1020
tatcctcaag	1080
ggactgctca	1137
tgattgctac	
atgctgtgtt	
ctgatgtact	
ttgacgccag	
tcgaatgtac	
cactggattc	
gtggtcaggc	
ggctattaaa	
ctgtacgtga	
tctacaatgt	
gctggaggtc	
agtgaccggc	
tgtagccgc	
catcgacaa	
gacgtgctcg	
agtgtctctt	
ctcgcgggag	
gctctagagc	
gtcgcccgga	
cgggcgacgc	
aaggtgtttc	
ggccatttgg	
cctctttttg	
ctggccttga	
cgtatactgt	
gcttcacgcc	
acgtcgctgt	
tctaccaagt	
catgacgctg	
aacgtggcgg	
tcaactcgta	
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ttgatcacgc	
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attcaatttt	
gtgggcacat	
tgagctccag	
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cacgcctctg	
tcgaactctc	
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gtcctcgatt	
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ctttccgtcg	
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cctccttcag	
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aaaaccccaa	
ccccggggcc	
cgggggggccc	
ccccgggggg	
gccccccaat	
ttttccttta	
aaccgggggg	
ggggcccccc	
gggccttttt	
tttttttttt	
tggggggggg	
attttaa	

<210> 10475
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 10475	
gaacggctca	60
tttgtcagg	120
acgctatgag	180
ctaattgaca	240
tgcaacaggg	300
aagaatcaac	360
aaaggagaca	420
acacaaacga	480
aagatacgcc	540
ctcgctcttc	600
ttaacaggac	660
acaagccgaa	720
aactccacac	780
tatctacgtt	840
tgctgagaat	900
gggattttag	960
aacatcggtg	1020
gttgcaattt	1080
gtctccgtat	1137
ga	

<210> 10476
 <211> 726
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (223), (229)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10476	
tgggaagggc	60
cctttttacc	120
ggagatctca	180
gccagagttt	240
tgtaagagc	300
cgtaaccccg	360
gattggcagt	420
caaacatgca	480
gaattcccc	540
tctggtgaga	600
ccgatcaatg	660
tcgaacacct	720
gaaattacaa	780
atgctgatat	840
cccgcgtgta	900
tcgcaagccg	960
ttgcaattgg	1020
ggcagcacat	1080
ggcgaattag	1137
ccgaaaggca	
gtcctttata	
tttaatgccg	
gantgattna	
acaacaaagt	
ccagcgtggt	
tccagcatgg	
ccaaccaagg	
catcccaggc	
tcaccccttg	
cgaattccag	

acacttcaga	ataagcgccc	taggaggaat	aggaagcgca	caagctcgga	aatgggtggt	360
gattcagatt	cagattcggc	tgacggcgga	gccaaacgga	cgccgattcg	agtaggacaa	420
accgacgtgc	tgcgtcagtt	ctaccaaaaa	gcctttgaaa	atctccaaca	gctcaactgc	480
agggtgattg	caaaggcatt	tgtcaagttg	gtagaacctc	ggaagcaagt	caatcacccg	540
tacaatgggc	gtaggacagt	gatgggagga	ccttgtcaga	agctggatcc	tgaattgact	600
aagcccaaat	ggtggcctac	aggcgttcaa	cacaaggagc	cagatcacct	cctaaagcat	660
gggatgtcaa	tcgcgttctt	ccctcgcttg	ttattttgca	aattcggttc	agccaggagt	720
cgctga						726

<210> 10477

<211> 414

<212> DNA

<213> A.fumigatus

<400> 10477

gcggaaagat	cagtatgttt	agactctaac	aaatcgttcg	gtggcatcag	gctgatcggt	60
aatgacccaa	caggcggtga	taccgttata	tatgtctcct	caatacatct	gccggaggga	120
attgagccgg	cagtagtgaa	cattaacgaa	aagcaaatca	ctgaggcgga	ttacttgccc	180
ttgtccccag	tgtccatcag	ccgcaaaagc	tcagttgaga	gcggactatc	atctctctca	240
aagggtatga	tttcatccat	cagttctagt	gagcaaacgc	aggcgttgca	tgcccatgca	300
gaggttcctt	cgactggctc	taattctttg	ccgggcttct	atgctccgca	ttcgatgatc	360
tggagccatg	gaacctctgg	gatcaatgtg	ccatttaata	tgtcgtcaaa	ctga	414

<210> 10478

<211> 474

<212> DNA

<213> A.fumigatus

<400> 10478

gcccgttata	aagagccgtg	catccagata	ttctcgttgt	cgcagtcaga	ccgtcaacgg	60
cgtcaagacg	aaatggccga	accagaccac	aaactctccc	tccaaaaacc	atcggaagat	120
gccccagaag	acatcggccg	gggcatcgac	atcgacatca	acatcgacat	tgatttggca	180
aatgtcgtcc	tcgaccacac	aaaggagcgc	aagctgctcc	tcaaactcga	cctcgccttt	240
gtcccatca	tcattggtgac	ctacctctcc	tgtctccttg	accggaccaa	catcggtatg	300
tatccgcgcg	cctcacctgt	caagccagct	atcctgacac	tggtcaggaa	atgtcaaagt	360
ggcaggcatg	cccgaagcca	tcggggcgctc	gcccagcgaa	ttctccaccg	ccgtctccat	420
cttctacgtg	acctacgtgc	tcttcgaagc	cccctggggc	gtgctcatga	ataa	474

<210> 10479

<211> 669

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (172), (205)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10479

caacgggttc	ccccaggggt	cgcccccata	cggcttggtc	acttggtgta	cctgttccac	60
atcgccagc	agatacggcc	gcatcgaaac	caccatgcag	gcgtcgggtga	acacgcccgc	120
cggcatgagc	ggaactgtcg	tccgggtacat	ggcgaccagg	cggccgggtca	gntgggtgtt	180
ggcgccgaag	ccagcctcac	acagngcatc	ttcgaaactg	aacgagcagc	cgagcaggaa	240
gcctacgtgg	tcgggggtgt	acacctcctt	gagatccttt	ctggatgcga	tgtggcggcc	300
ggactggtag	acgcggtact	gcgggaagtc	ggtgcggagg	tcgaaatccg	ggttgggtgat	360
gcaggctgct	ggggacacgg	tgtgagggtt	gccctggggg	atgatgccga	gcagaggggca	420

ggggacggggg	ttgcgcagggc	agagggcgctg	gaagtctggg	gcgtagcggg	aggggaggat	480
caggagggttg	gcttggagga	agcccgggga	gaggcccgag	gtgtttgtga	tgagggttttg	540
gcgggagagg	aggcgggtgg	tgtacgcatt	gctttgggtg	ttgctgggtg	tgtcgggtgtt	600
gctgggtgttg	ctgctgggtca	tatggctact	gctgctgctg	ctggccatgc	tgtctattta	660
gctagttga						669

<210> 10480

<211> 966

<212> DNA

<213> A.fumigatus

<400> 10480

cactggctag	gaaatgtcaa	agtggcagggc	atgcccgaag	ccatcggggc	gtcggcccagc	60
gaattctcca	ccgccgtctc	catctttctac	gtgacctacg	tgtctctcga	agccccctgg	120
gccgtgctca	tgaataagct	caccccgcg	aacatctctaa	ccggcttggtg	catcgtctgg	180
tctgtcacga	ccgtcttcac	cgggttcgtg	acgaatgtcc	ccgcgctgta	cgcgacccgc	240
ctcattctcg	gggcctgcga	ggccggcctc	ttccccctgcc	tgaacctgta	cctgacgatg	300
gtctaccgcc	gcgaggagca	agccaagcgc	gtctcgtatc	tgatgagctg	cgccgcgatt	360
tccggcgcg	tccggcgcc	gctcgcgtat	ggactggtgc	acatggatgg	gattgggggg	420
aaggctgggt	ggaggtacct	cacttctttt	actacccttg	gggttggtctg	gtcgacagct	480
aatgtaagaa	tcagatgggt	gtacatcatc	gaaggcctct	tcagcctcat	ctgcgcctgc	540
ctgatctggt	tcgggtcccc	caacgacccg	tccaacgcct	acttctctcac	cgccgacgag	600
aaacacatga	tgcggtgcg	caacgcccag	cgcgcgcct	acatgggcag	cagccagttc	660
agctgggccc	agatgcgcat	cgccatcacc	gaccccaagc	tcgccttcag	cgccatcacg	720
cagttctgcc	aggatatcct	gctgtacggg	ttcagcacgt	tctgcccac	catcctcaag	780
gggatcggct	atgattcgct	gatgagcaac	atcctcacgg	tgccggtgta	cttctggggc	840
gcgattgtct	ttgtgagcgt	ccctgggccc	cggatcgcta	taatcgcttt	tgcgctgttt	900
cttgctgggt	cccaaagtgt	ttcggggctg	gtgggggtac	attctgctcc	tggccgtctc	960
gaatga						966

<210> 10481

<211> 450

<212> DNA

<213> A.fumigatus

<400> 10481

tgcgttttgc	gctgtttctt	gctggttccc	aaatgttttc	ggggctgggtg	gggggtacatt	60
ctgctcctgg	ccgtctcgaa	tgatgcggtc	aagtacttcg	cgacgtatct	catcgggatc	120
gcgacgtata	ccggcgctcg	actgaacatc	gcctggctga	atgtgaatgt	ggcgccgcat	180
taccgcgcg	cgtgagat	cggcgctccag	cagacgattg	gcaatttgcc	ggggattgtg	240
tccgggcaga	tataccggac	gtcgccgtat	gtgcttgga	attcgttctc	gttggggcgc	300
ctggttggtg	cgcaggggg	cgtgctgggg	catgcggtct	acttgcgacg	ggagaatcac	360
ctgaaagtca	agattggggc	gggagagaag	gaggatacaa	ggcgtgtgag	gacgggagat	420
aaggcgttgg	atthttgtga	tcattattaa				450

<210> 10482

<211> 918

<212> DNA

<213> A.fumigatus

<400> 10482

gccaatactt	tgacgaagcg	tgcagactgg	ccttcacgcg	gagggacgtt	tcccaccatc	60
tctatcaaga	ccccaaaccc	gacgccaccc	accacgagca	gaagagagaa	ctctacgaca	120
gactccagga	atgggaagcg	cagctccccg	gctttttcga	cccagccggc	aaacccctgg	180
cccatatcct	ctcactcagg	taagtccgcc	ttcccacttc	aaccctttcg	ccgccagcct	240
actgacagat	ctgaggatag	gatgcgctac	cacgccatca	tgatcagcct	cgcgcgcgat	300

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ggcttcggcg tccacacctt cttctccgcg gaagacggca aatcccagac caccgtccct 360
ccctccagcc agctccctgc acacctgcgc gagaaagcaa ccgagcagag tctcgcgtcc 420
gcacgcgcca tcgcggccct cgtccgcgtc caccgcgagg aatacggcat cgggcgcacc 480
caccogttca cgacgtacgc gatcatggtc gcgcttttca cgatcctcga ccacgcggcg 540
ttcgacattc tcgacactga cttcctctcc ctgacgagcg cgttctcggt catcgcgtgc 600
cggtcgcagg tcggtcgga tctgttccac atcttccggc agtcggtaag ggcgcaggac 660
caggaggggc gcgtgctcca gtcggatcag gtccctgagg agatcaaaga gctgtttggg 720
cggtatccgc gctcgtcgaa gccggacaag tgggatgact atgaggacgg gctggataag 780
ctggggacgg ccgaggggag agacgtggcc gcggcgatg gcatgaggat gaggaatcat 840
gcacgcgtcg gggtagggga catgttgagc aagtatgaga gcttgagtct ggggcagcaa 900
tcccagatc gaaagtag                                     918

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<210> 10483

<211> 429

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (421)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10483

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ccatatgacc agcagcaaca ccagcaaac cagcaacacc agcaacaacc aaagcaatgc 60
gtacaccacc cgctcctcg cccgcaaaa cctcatcaca aacacctcgg gcctctcccc 120
gggcttctc caagccaacc tctgatcct cccctccgc tacgcccag acttccacgc 180
cctctgctg cgcaaccccg tccctgccc tctgctcggc atcatcccc agggcaaccc 240
tcacaccgtg tcccagcag cctgcatcac caaccggat ttcgacctc gcaccgactt 300
cccgagtag cggtctacc agtcgggccc ccacatcgca tccagaaagg atctcaagga 360
ggtgtacacc cccgaccacg taggcttctt gctcgggtgc tcgttcagtt tcgaagatgc 420
nctgtgtga                                     429

```

<210> 10484

<211> 657

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (453), (486)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10484

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atagacagca tggccagcag cagcagcagt agccatatga ccagcagcaa caccagcaac 60
accagcaaca ccagcaacaa ccaaagcaat gcgtacacca cccgcctcct cgcccgccaa 120
aacctcatca caaacacctc gggcctctcc ccgggcttcc tccaagccaa cctcctgatc 180
ctccccctcc gctacgcccc agacttccac gccctctgcc tgcgcaaccc cgtcccctgc 240
cctctgctcg gcatcatccc ccagggcaac cctcacaccg tgtccccagc agcctgcac 300
accaacccgg atttcgacct ccgcaccgac ttcccgagc accgcgtcta ccagtccggc 360
cgccacatcg catccagaaa ggatctcaag gaggtgtaca cccccgacca cgtaggcttc 420
ctgctcgggt gctcgtttcag ttctgaagat gcnctgtgtg aggctggctt gccgccccaa 480
caccanctga ccggccgcct ggtcgccatg taccggacga cagttccgct catgccggcg 540
ggcgtgttca ccgacgcctg catggtggtt tcgatcgggc cgtatctgct ggccgatgtg 600
gaacagggtac aacaagtgac caagccgtat gggggcgacc cctgggggaa cccgttg 657

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<210> 10485

<211> 237
 <212> DNA
 <213> A.fumigatus

<400> 10485
 tcaaggtcga cggcaaggtc cgcactgacc ctacctaccc cgctggtttc atggacgtca 60
 tcagtatcga gaagaccggc gagaacttcc gtctcatcta cgacaccaag ggtcgcttca 120
 ccgctccaccg tatccaggct gaggaggccg agtacaagct ctgcaaggtc aagagagttc 180
 agcttggtcaa gggcgggatc ccattcttgg ttacgcacga tgcgagaacg tgagtga 237

<210> 10486
 <211> 468
 <212> DNA
 <213> A.fumigatus

<400> 10486
 attgaagagc ctgaaactga ccatgaactt gattttttaca gtaagaagca ccagaagcgc 60
 ctcagtgcgc cttcgactg gtccttgga aaaatgtccg gaacctatgc tccaaggcc 120
 tccccgggtc ctcaacaagct ccgggactgc ctccccctga tcgtcttcat ccgcaaccgt 180
 ctcaagtacg ccctgaacgg ccgtgagacc aaggccatca tgatgcagcg tctgatcaag 240
 gtcgacggca aggtccgcac tgaccctacc taccocgctg gtttcatgga cgtcatcagt 300
 atcgagaaga ccggcgagaa cttccgtctc atctacgaca ccaagggctg cttcaccgtc 360
 caccgtatcc aggtgagga ggccgagtac aagctctgca aggtcaagag agttcagctt 420
 ggcaagggcg ggatcccatt cttggttacg cacgatgcga gaacgtga 468

<210> 10487
 <211> 366
 <212> DNA
 <213> A.fumigatus

<400> 10487
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 cgcttcgaca ccggtgttgt ctgcatggtc accggtggtc gtaacatggg tcgtgttggt 180
 atcatcactc accgtgagcg ccacgatgga gggttcaaca tcgtccacat caaggacgct 240
 attgacaact cttttgccac ccgtgagtc aacgtcttcg tcattggaca ggagaagccc 300
 tggatctctc tgcccaaggg caagggtgtt aaggtagcaa atcacacccc gaagattata 360
 atttaa 366

<210> 10488
 <211> 465
 <212> DNA
 <213> A.fumigatus

<400> 10488
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 gatatacatg aagacgtaat cgacgtcgaa gaggatgagg aagaaaattt gtccgagctt 180
 gatccttcac agaaggagta cctagagtac caacgtaggc ttgatgattt tctgtcgccc 240
 ttggtccttg acgaagcagt cctctacaga cttgcgcgcc gcttctcgag cacataccgc 300
 cacctagcat tacactctga ccaacagttc ttgccactc ccgtcactag actgcccacg 360
 ggtcttgaga ctggtcggtt tctggctatt gatgttgagg gaagcaatct gcgagtcgca 420
 ttcattgttt tcaccacggg catgccagga tccgcagtga aggtg 465

<210> 10489
 <211> 1860

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (1823)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10489

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aaggatacag	ctgaaccgtc	tcaaaactccc	cgctgtgaca	ctccgcgaga	ggccccacaca	180
gagatcgtag	agaacgatac	ttcctcgctg	aatcgaattt	tccgcttcac	tectgtgccg	240
accctcatcc	tgcactcgtc	cttgccgctg	attgaggtct	cggagagcca	ccttgctttc	300
tgcggaaagt	ctcgagactt	tgtgctgggt	gcctccatct	acgagcttcc	cctcgccact	360
atacctgctc	cagacattgc	gactctgaac	gggtgctttg	acgtggcgat	tacgactcgg	420
gctgtccagg	ttgtcgaaac	tatccacctt	cccagaataa	gctcttattt	ttcactgaaa	480
atcaccccca	ttttccaggg	atccactcta	ctgaacctag	ttctggaagc	gcacaacgtc	540
acaaggaccc	ataccgagtc	actgcataat	gcctacatca	atgaaactta	caagatcctg	600
gttgacacga	tccgagatta	cgtatctttt	atgctggacg	cgcgcggcaa	cattgtaacg	660
tggaattcgg	gcgctgcgat	tatcaaggga	tataaggcgg	atgagattat	cggctcgcat	720
ttctcggctc	tctacggacc	cgaggatcgg	ctggcagaca	agcctgggaa	ggagctcgaa	780
ttgtgcctac	gggacggaaa	agtcgaggat	gaaggctggc	ggtatcgtca	ggatgggtta	840
cggtttttgg	ccaacgtaat	gattacgcct	atcttctcat	tccgtcggca	cgttggtttc	900
gtcaaaatca	ctcgcgactt	gaccgagcgc	aaagcggctg	aagcgcggat	ggtggcagct	960
tttgaagaat	catccaagat	gaagaatgac	ttcctggcca	acatgagcca	cgaaattcgg	1020
actcccatga	atggaatgca	cctggcattg	accatgttgg	ggagcacgga	gctcgacacc	1080
cagcagcgtg	aatacacttc	cattatcgaa	gattccatgt	cgatttttgc	tcaagtaatc	1140
aacgacgtcc	ttgattattc	taagttatcc	tccggcacct	tctctctgaa	cacagatgtc	1200
ttgaacgttg	agaatattgt	gggagcagtg	gtacggaatt	gcaaggcctt	aaaccctgcc	1260
gtggagatct	cctgttccat	gcctccgggc	ttcccaaate	tgctccgggg	tgatccgctt	1320
cgctatcggc	aagtgatcca	gaacctcgtg	ggaaatgcga	tgaagtttac	cgagaaaggc	1380
catgtcaagg	tcacccatcg	ctttgcagta	gaggagcacg	atgccaatag	gtacataatc	1440
acgacagaag	tactgatac	tggcatcggg	gtgcccgaag	atgctataaa	cactcttttt	1500
accccattta	cgcgctttgc	ggattcagcc	accaagcgtc	atcagggtac	aggacttggc	1560
ttgtccatct	gcaagagctt	ggcagagctg	atggatggca	gtgttggtta	taaaccacaac	1620
ccagaaggaa	agggtagctg	cttttggtct	aacgtgagaa	tgcaagctgt	cgacattcca	1680
gcgcctagta	aagacactcc	cgctgctacc	gccgaaaata	cgtacgaacc	catcgaagag	1740
gtcaaggaga	ttgcgcctca	catgcacata	ttgctgggtg	aagataatat	ggtgaaccaa	1800
atcgttatgc	tgaagcttct	canaagcctc	ggtttcgaac	gtgtcgacac	ggcctgggac	1860

<210> 10490

<211> 906

<212> DNA

<213> *A.fumigatus*

<400> 10490

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ctcgagggtca	tggaggacct	gcaagccgga	cttttcgaga	agaagctcgt	ctcctcggca	180
tccaccgagg	aaaacgcgcg	cgttctgtcc	ggccgcggag	aggttgagga	agccgactcg	240
attgaattca	ccgacgtccc	cattgtctcc	cccaacggcg	acgttctggt	ccgcaagctc	300
tccttcaccg	tgcacccagg	cgaccatctc	ctcatcgctg	gccccaacgg	ctgcggaaaa	360
tcctccctct	tccgcactct	aggcggcctc	tggcccgtct	acggcggcaa	agtcaagaag	420
ccccgcttcg	acgagatctt	ctacatccca	caacgcccct	acctgtcccc	cggcactctg	480
cgacagcagg	tgatctaccc	ggacggcgtg	cgcgaaatgc	gcgccaaggg	cgtcacagat	540

gcagacctat	atgagatcct	gtccatcgtg	gagatcgctt	cggtcgtcga	ccggccgggc	600
ggctgggacg	ccgaggaaga	atggcgcgat	gtcctctccg	gcgggctcca	gcagcgcatc	660
gccatggcgc	gactcttcta	ccaccgtccc	aaatttgcta	tcttagatga	atgcacctcc	720
tccgtcaccc	ttgaaatcga	acgggtcatg	tacgagaacg	cgaagaagct	gggcaccacc	780
ctcatgacgg	tctcgcatcg	ccgcagtctc	tgggaagtacc	accagaagat	cttgcagttt	840
gatggccagg	gcggctatct	ctttaccggg	ctggactggg	agcgcagact	gcagttggaa	900
gagtaa						906

<210> 10491

<211> 417

<212> DNA

<213> *A.fumigatus*

<400> 10491

gtgcgcgacc	ttccgccccg	tggatgaagac	tttgtcatta	aatatttctg	gggagctcta	60
ggcttgatct	tgtgtagcat	gcccgttttc	ttccgcatcc	ccggccaaat	cacgcagact	120
atggcagacc	gcacagaaag	tgagtttttg	cccacgaaca	tcttgccctc	gtcgaaactg	180
acaggaataa	ataggctttg	tcacaaaccg	cagaatgcta	ctgtcctcat	cggacgcctt	240
tggccgtctc	atgttctcct	acaaagagat	ctcagaactt	gccggtcaca	cagcacgagt	300
ctcatctctt	ctcgaggtca	tggaggacct	gcaagccgga	cttttcgaga	agaagctcgt	360
ctcctcggca	tccaccgagg	aaaacgccgc	cgttctgtcc	ggccgcggag	aggttga	417

<210> 10492

<211> 189

<212> DNA

<213> *A.fumigatus*

<220>

<221> unsure

<222> (111)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10492

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gtaagtctat	gtgataacct	atttctttcc	tacgtgatgc	tgactagaat	ngtcgtcaca	120
gcgagaaaga	agaattggac	cttcattctc	gtgcagttcc	ggagctacag	cgctggttgg	180
cggagttga						189

<210> 10493

<211> 513

<212> DNA

<213> *A.fumigatus*

<400> 10493

ctcatccgga	gcgcgtatct	aggatgaagag	acgtctgatg	gcgctaattg	aagtctgact	60
cgatctaccc	tcttcgacat	gctgctaact	ggggccttac	agatcgaaat	tacgcgtgag	120
attggggagc	aaaatatctt	cttggttcggg	acactggcag	aggatgttga	ggagctccgt	180
catcgccact	tctacggcga	tttccagctc	gacccccaac	tgtccaaggt	cttcgagggc	240
atccgcagcg	atatgttttg	tgacgccagc	aacttctctg	cgctcatgtc	cgcaattgcc	300
gaacatggtg	actactatct	ggtctctgac	gatttcaatt	catacatcac	aacgcaggag	360
attgtggatg	aagcgttcaa	gaaccaagat	gaatggatag	ctaagtccat	cactagcgtg	420
gcacggatgg	gattcttctc	tactgatcgg	gtgatcagtg	agtatgcaga	tagtatctgg	480
aacattgagc	ctttggaaat	cagagatgat	taa			513

<210> 10494

<211> 681

<212> DNA

<213> *A.fumigatus*

<400> 10494

tttgctgacg	gcaattcact	ccactcagtg	tttgcgaaaa	tgtccgtctc	gccgacggca	60
acctcttctc	catgcccatc	accctggacg	tgtcccaggc	cgttatcgat	gaaggcaagc	120
tcaagccccg	ctccccgctc	accctgcgag	acttcagaga	cgatcgcaat	ttggccatcc	180
tcaccattga	cgatatctac	cgccctgaca	agtgaagttt	cgtagctcctt	tggtctctgg	240
cgatcttgct	ctgtttttcca	gcgcgagcgc	agtttaattg	ccctgcgttg	tttatctgga	300
acaacagacg	caacactgca	attgacgaca	ccaatcgctc	caatcaacca	gacatccgtg	360
cgtacagtgg	gcctggctga	ctgggttttca	ttacgtaggg	ccaaggaagc	caagctggtc	420
tttggcggtg	atgaggagca	ccctgccatc	aagtatctct	acaacaaggt	tcaggaattc	480
tacgtcggag	gaaagattga	ggccatcaac	aagctcaacc	actacgacta	tgtcgtctctc	540
cgctgtacgt	ccgataatcg	ttcgccccgaa	ctgcaaacga	gaaatgatgc	taatagaccc	600
cggttatata	gacactcccg	cggagctgcg	tgttcaacttc	gacaagctcg	gctggaaccg	660
agttgttgct	ttccagacta	g				681

<210> 10495

<211> 1140

<212> DNA

<213> *A.fumigatus*

<400> 10495

ctgggtttcaa	gaaaccccat	gcacagagct	caccgtgagc	tgaccgtccg	tgtctgtctgc	60
gctcgccagg	ccaatgtcct	gattcacccc	gttgtcggtc	tcaccaagcc	tgagacatc	120
gaccacttca	cccggtgccg	gcctaccag	gctctcctcc	cccgtaccc	caacggaatg	180
gccgtcctgg	gccttctggg	cctcgccatg	cgtatgggtg	gtccccgtga	ggccatctgg	240
cacgccatca	tccgtaagaa	ccacggtgcc	actcacttca	tctcgagacg	tgaccatgct	300
gggtcccggca	agaactccaa	gggccaggaa	ttctacggcc	cttacgatgc	tcagcacgct	360
gtcgagaagt	acagggagga	gctcggcatc	gaggtcgctg	agttccagca	ggtcacctac	420
ctgccccgaca	ccgatgagta	caagcccaag	gacgaggtac	cccctggcgt	caagaccctg	480
gatattctccg	gtaccgagct	gcgcaaccgc	ctgcgcaccg	gtgtcccat	ccccgaatgg	540
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ggttttacca	tcttctttac	cgggtacatg	aactccggca	aggacgctat	tgcccgtgct	660
ctccaagtca	ccctcaacca	gcagggaggc	cgctccgtct	ccctcctgct	cggtagacac	720
gtccgtcacg	agctctcctc	tgagctggga	ttcagccgcg	aggatcgcca	caccaacatc	780
cagcgtatcg	cttttgtcgc	cggtagctta	accgcgcgcg	gtgccgcgct	cattgcctcc	840
cctattgtct	cttacgagga	gtcccgcgaac	gccgcccgtg	acgctgttac	ccaagctggc	900
ggcaacttct	tcttgggtcca	tgttgctact	cccctcgagt	actgcgagaa	gaccgacaag	960
cgcggtatct	acgccaaaggc	ccgcgcgggc	gagatcaagg	gtttcactgg	tgtcgacgac	1020
ccctatgaga	cgcttccaa	ggctgatctt	accgtcgatg	tttcgaagca	gaccgttcgc	1080
agcatcgtcc	acgagatcat	cctcatgctc	gagaccgagg	gcttctttga	tgtttcttag	1140

<210> 10496

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 10496

atacacaaaa	tggecaatcc	tcctcatggg	ggtgtttctca	aggacctgct	cgcccgtgat	60
gctccacgcc	acgacgagct	ggagatggag	gccgagaagc	tgccctgcat	tgtccctcacc	120
gaacgtcagc	tttgtgatct	cgaactgatt	atgaacgggtg	gtttcagctc	tctggagggt	180
aagtttactc	cccaaatttc	gttttga				207

<210> 10497

<211> 390

<212> DNA

<213> A.fumigatus

<400> 10497

cgacaccaat	cgctccaatc	aaccagacat	ccgtgcgtac	agtgggcctg	gctgactggt	60
tttcattacg	tagggccaag	gaagccaagc	tggctcttgg	cggtgatgag	gagcaccctg	120
ccatcaagta	tctctacaac	aaggttcagg	aattctacgt	cggaggaaag	attgaggcca	180
tcaacaagct	caaccactac	gactatgtcg	ctctccgctg	tacgtccgat	aatcgttcgc	240
ccgaactgca	aacgagaaat	gatgctaata	gaccccggtt	atatagacac	tcccgcggag	300
ctgcgtgttc	acttcgacaa	gctcggctgg	aaccgagttg	ttgctttcca	gactaggtat	360
attacattcc	cacaatctac	gtcaaaataa				390

<210> 10498

<211> 549

<212> DNA

<213> A.fumigatus

<400> 10498

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cctaccaggc	tctcctcccc	cgctacccca	acggaatggc	cgctcctggg	cttctggggc	120
tgcgcatg	tatgggtggt	ccccgtgagg	ccatctggca	cgccatcacc	cgtaagaacc	180
acggtgccac	tcacttcac	gtcggacgtg	accatgctgg	tcccggcaag	aactccaagg	240
gccaggaatt	ctacggccct	tacgatgtc	agcacgctgt	cgagaagtac	agggaggagc	300
tgggcatcga	ggctcgtcga	ttccagcagg	tcacctacct	gcccgaacac	gatgagtaca	360
agcccaagga	cgaggtaccc	cctggcgtca	agacctggga	tatctccggg	accgagctgc	420
gcaaccgcct	gcgcaccggt	gctcccatcc	ccgaatgggt	ctcttaccac	gaagtcgtca	480
agatcctccg	cgaatctagc	cctcctcgcc	acactcaggg	tttcaccatc	ttccttaccg	540
ggtacatga						549

<210> 10499

<211> 207

<212> DNA

<213> A.fumigatus

<400> 10499

cggcaattca	ctccactcag	tgtttgcgaa	aatgtccgtc	tgcgccgacg	caacctcttc	60
tccatgcccc	tcaccctgga	cggtgtcccag	gccgttatcg	atgaaggcaa	gctcaagccc	120
ggctcccgcg	tcaccctgcg	agacttcaga	gacgatcgca	atgtggccat	cctcaccatt	180
gacgatattc	accgccctga	caagtga				207

<210> 10500

<211> 606

<212> DNA

<213> A.fumigatus

<400> 10500

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ccgcgcagta	gccatggcct	tgcgcatcaa	ttccgtccat	tcaccacccg	atcccgaactt	120
ctactttctc	ctccaccact	aggtcggcct	caggtaccat	ttctgtctcc	cttggcgagc	180
actcgccctc	ttccgccact	gtcgattcat	ctccgtcaac	atcttgctcg	gttaatttcc	240
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gagcaccagt	ggcccacacc	gtcagaatgg	tcgtggaaga	gtcgtggtgt	tctgcgggtcc	420
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gcgggggtacc	tgcgagaact	gctggagcgg	ctggagaacc	tggagggcga	gggtaaaggg	540
atcaaggagc	aggaggaagg	tgggatttat	gttgaatgcy	tggggaggac	cggcttcgat	600

atcacg

606

<210> 10501

<211> 3309

<212> DNA

<213> A.fumigatus

<400> 10501

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gtgacaaagg	atcaagccaa	gacttgggaa	tctttcgaag	tcgacggata	tgcagcagcc	120
caacacgaac	cactcatttt	ccatggctgg	gattctgcaa	aggtcatctt	ccaaagcgat	180
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tggcattcta	ccaagcttca	acataagatt	aacccccaat	tgctgacaac	gacgcccgat	1260
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cagcccattt	tcgaaccatg	caaagtctca	tttgaagatt	tcgagtgcga	cttcaacttt	1560
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aggtgccaga	agcagaccga	tacgttcatg	ggaccgtcag	gctggaggct	tattccaggg	1680
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gcgagacaat	ttagttagca	atattattac	cttgaacgtc	aggcaagcag	cagtggagat	1860
gatgagaccg	tcataatgct	taccagcgag	ggtgaatttt	gggtttctca	tgatcatgga	1920
aaaaattggg	aacaacctct	gaagggcgtg	aaaattgccc	ccattgtccc	tcactcctac	1980
tacagtgatg	gggcatttct	tcttactcgc	gacaaacagg	cattctggac	cgtcgatcgt	2040
gcctatactt	ttaaatcctt	cgaagcaccg	atcccaccta	atcaggaggg	cctgccggtc	2100
ctttcttttc	acccccatta	caaagactgg	ttgatttgga	ctggcgagct	tgactgcagt	2160
cacggcgact	gccactccga	tgcttacttt	agcaagaaca	ggggggagaa	ttgggatctt	2220
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cttgatgagg	gcgataattg	ggagccctat	gaattttcgg	aagtcgagat	gcatactctat	3240
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<210> 10502

<211> 738

<212> DNA

<213> A.fumigatus

<400> 10502

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gtttaccaat	cgcgcaaaat	gactccgctc	gtcaaagtcg	gcagccttct	ggccgcattg	180
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gatctctctg	ccccctccgc	cgatctctac	cgtcacaaag	ccctccgcga	tgacacagtc	300
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ggctcctccg	aaacagcggg	cgacctaaac	atcacccagc	ttgactttga	cggcaactac	420
gtcggacaca	tgtacctaaa	gagctttggt	catggcgtct	ccttcggcgc	gcaggccggt	480
gggtccgcaa	cctacctctg	gaccgaggtc	gacgccaaag	ccaacggcta	cggcaagcaa	540
ctcgcccgct	tcaagttcgc	ctcgggcacc	acgctgacca	gtcctccgcg	tcaactggca	600
aagttcaagc	ccgtcgccga	cgcaacggag	catacctgcg	ccattgacct	ggtgtacaac	660
cggctgatcg	tccggtatca	cctcagcggg	tcaaagcata	tcgcgtcttc	accacggggc	720
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<210> 10503

<211> 750

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (6), (20)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10503

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gataagtggg	tatcatttat	actaaacct	ccttcgcgat	ttccccacca	ccgcacgcaa	180
tgcatcattg	aaaagggtcg	tgcttatatg	gattgcattc	tccgcccatt	aacccttggc	240
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tggcaggccg	aaaagaatgg	ttttatgctg	ttcacaccga	gcagcttgca	aaacatgagt	360
tatggctcta	accagcccgg	ttcgcccagt	tttctgctga	aacaatccag	cgggtcaatct	420
gctgggaaga	atgactcttt	tagcgctct	gatgcgcagc	aggctaata	ccggtcaagg	480
tccactgcaa	ggccttcac	cgcggatgtg	aatccccaaa	cccggacatc	gctcagtcga	540
ccgccgtcag	acgcagacct	aaatcaagct	ttggtggaga	cagaaaagcc	acctagcatc	600
tctgacaaca	ttgccaaact	tcacgctccc	aataatgacg	atagtgtctat	tgaccttgat	660
gatgattcaa	tgctcatgtc	cgtgggcaaa	tatggtgata	tgatggcttc	tgaccagca	720
gacgctgaag	gagatgttgt	cgctcatctag				750

<210> 10504

<211> 291

<212> DNA

<213> A.fumigatus

<400> 10504

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ggtctggacc	actgtgggta	ttcagttgac	attcatactc	acattaatag	cgtgttggat	120
ttcgcttctt	ctttcagcct	tttctctttt	gccttccgat	tgggaaacac	gagaccgttg	180
ttgatgtaca	taggattacg	gtcaactttg	tctgccggga	taattcatag	ctttttgacg	240
gtcttggcct	ttgtttacag	catccacttc	ttcctatacc	gctctttcta	a	291

<210> 10505

<211> 507

<212> DNA

<213> A.fumigatus

<400> 10505

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ttggcttttcg	caggaacaa	ggacagagct	acccttgctg	acttctctca	gaagcagacg	180
tatggacca	tccggggcag	tgatgccttg	cgctcaaaca	tcgcccactt	gtatcgcagc	240
gaccgatgtg	agccgctgtc	gaaagacaac	attcttgtaa	cgaatggcgc	tatccacgcc	300
aacttcctgg	ctctatatgc	aaatgttgct	cggggtgacc	atgtcatctg	ccactatccc	360
acctaccaac	agctctactc	cgtccccgag	tccttcggcg	cggaggtcag	cctttggaga	420
gcagatggcc	agaatggatg	gcaggtcagc	ttgaacgacc	tgagatcgct	aatcagaccg	480
aataccaaag	tcatcatcat	caagtga				507

<210> 10506

<211> 432

<212> DNA

<213> A.fumigatus

<400> 10506

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gagattgtag	atattgcgcg	ccagcatggg	atcatcatcc	atagtgtatga	ggtgtaccgg	120
ccgctttttcc	attccttgga	aaacggggcag	gacgagccgc	cttcaataact	ttccttcaat	180
tatgagaaga	ctgttgccac	gagctcagtg	accaaggctt	tcagtttggc	cgggattcga	240
gtaggcttga	ttgcatccag	aagccgggaa	atcatagagc	agtgtgcgac	agctcgcgac	300
tacacgttga	tttcggtcag	tcaggtcgat	gaccggattg	ctacatgcgc	attgtcagag	360
ccaactgtga	gtaatatcct	caagcgtaac	ctcgatcttg	caagaggcaa	tcttgatctg	420
ctcgatggct	tt					432

<210> 10507

<211> 396

<212> DNA

<213> A.fumigatus

<400> 10507

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gttcogaatt	tttccaatcc	cacgggcgctc	accatgtctc	ttaggaggcg	agaggctctc	120
gtcgttttag	ctcgcagact	caatggctcta	gtaatctgcg	acgacgtcta	tgactttcta	180
cactggcctg	cccttcattc	ttcaaataat	gaaagtgcac	ggagtcccat	gctccctcgc	240
gtcctggatt	tagatcgac	gcttgatggg	ggccacggg	atagtttcgg	caacgtcgctc	300
agtaatggga	catttagcaa	gatcgttgcc	cctggctgcc	gcgttgatg	ggccgaggga	360
gagccccaat	tagtttatgg	cttgtcacaa	gtgtaa			396

<210> 10508

<211> 198
 <212> DNA
 <213> A.fumigatus

<400> 10508
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 atggatgatg ataccatgct ggcgcgcaat atctacaatc tcctgcagca cttcacggct 120
 caggacagcc ccagttggat tctgaggatt gctatgactt tgtcagggtcc acattcactt 180
 tccgtcggag taacttag 198

<210> 10509
 <211> 276
 <212> DNA
 <213> A.fumigatus

<400> 10509
 aagacagtcc tcagcgtccc ggtgcaacga ttgaattggt ccttggcact tgagctcagt 60
 agagcattcg ttcattgctaa ggcgccctggc catacaatta gtgacgaaga catctgtcat 120
 ggtgttgaaa gtttctcgtt gactggcagg ttcgaaatca taaatgaagg gcaggtaaaa 180
 tggtttgtgg atgggggcaca caacgttttg agcttaggag aagctgcaga atggttcgct 240
 aggaacgcta gtaacgagca aaagtacgtc gactaa 276

<210> 10510
 <211> 435
 <212> DNA
 <213> A.fumigatus

<400> 10510
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 cccttcacaa aaaaagattt actaagtcgg ggattacgaa gtgctgctcc aacaccagac 180
 acagccttga tcaaccgaaa aatcgactgg aacaacgatg attctgatgc catggaagtg 240
 actgaggaat atgcagacac tcccattact agggctgaaa gtaaggcaga gtcgaaagag 300
 gactccgaat ttaccaaattg gttttgggaa aatagggggag ataataaccg tgcctggaag 360
 aagcgccggc gtgatgctgc caaagaacag agacagcggg agaaccgcag aacgggaatg 420
 aaggggaaat cctga 435

<210> 10511
 <211> 213
 <212> DNA
 <213> A.fumigatus

<400> 10511
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 gaacctgcca gtcaacgaga aactttcaac accatgacag atgtcttcgt cactaattgt 120
 atggccaggc gccttagcat gaacgaatgc tctactgagc tcaagtgcc aaggaacaatt 180
 caatcgttgc accgggacgc tgaggactgt ctt 213

<210> 10512
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 10512
 aacgcaaccg caaaggctga tgctatcatc gcagaaaacc ccggcaaatc tctcgacgaa 60
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<210> 10513
<211> 531
<212> DNA
<213> A.fumigatus
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<210> 10514
<211> 258
<212> DNA
<213> A.fumigatus
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<210> 10515
<211> 570
<212> DNA
<213> A.fumigatus
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<210> 10516
<211> 240
<212> DNA
<213> A.fumigatus
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<400> 10516
gaccaaataag atttagactt caactttatc atcatcttta ttctccttga cgcggccagg 60
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aacaagtaca	gcaaacacct	ccaaatccag	ctgcgacgat	cgttcagcta	ctggttaccg	180
actgtccgat	acactatcaa	tggacccccg	cattccgggt	ccatcctgct	gattccttga	240

<210> 10517
 <211> 624
 <212> DNA
 <213> A.fumigatus

<400> 10517						
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accgctcctc	cccggaaacg	gcgaaagagg	actgttgtga	gcggcgagc	ggatgactgc	180
ttcacatgtg	cccgggaggg	ctctgtctgt	gaccgacggc	gaccatactg	ttcgcagtgt	240
ttgaaccgtg	gacgcgattg	tgcgggttac	aagaccacgt	taacctgggg	tgtgggagtt	300
gccagtcgag	gcaaattacg	agggctgtct	cttccaatta	ctggagcgca	accagctgcg	360
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agagccacat	ttcaatcgca	ggaatcgccg	actccggaca	ccaatgagaa	tgcaaggtgg	540
atgcgaacgg	ccgcaaacc	cgggaagcctg	gccgactccc	acgaaccgat	tccttggttg	600
gaaacctccc	cgggttgtaa	acac				624

<210> 10518
 <211> 195
 <212> DNA
 <213> A.fumigatus

<400> 10518						
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acgtcttcta	tttag					195

<210> 10519
 <211> 1170
 <212> DNA
 <213> A.fumigatus

<400> 10519						
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aagagggcca	agatgatgga	ccaacggtac	tttctcgaaa	tggttgatct	caagcatcgt	420
catggcagca	acctgcgcaa	gtatcacaat	tattggatga	actgtccctc	aaccagaac	480
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gcgaagctgg	agcatcagca	agtgcgctat	tttagccggg	acgagcggct	gaattacctg	600
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cagttcacag	gtcattccga	ggctggttat	ccggttgctg	atgcgtcaag	ctcgtcttcc	780
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aaccaagggt	atgaggaggc	aaaagggtat	cacaagttag	cccagatcac	accgtcggtg	900
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ccacttcttc	ctatcatcga	gcacctagag	cgacccatga	ctgacaagga	cacaggtcgc	1020
ggacacttca	tttcgcctgt	acatcggtat	caaggaaaag	ggggccttcc	aacattcttc	1080

attcctacgg ggggcgcgcg ttgcggcggc aggtttgatc aagatctgga atgggtcaact 1140
gcgcagtcta acacctttga ggtaaattaa 1170

<210> 10520

<211> 459

<212> DNA

<213> A.fumigatus

<400> 10520

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caggggataa	gtcagaaggg	taacaccatc	ctaccccagt	tctcacatgt	cttattaacc	180
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tcaccgagca	agaatggcac	gactacgcct	acaacgtcga	ctttcaattc	tacggcaact	420
acggcctcgg	tgccccagc	ggccgcgccc	aggggatag			459

<210> 10521

<211> 630

<212> DNA

<213> A.fumigatus

<400> 10521

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ggcgcaactt	tcgcgtcagg	ctttgatatc	acaactagct	ggggcaacct	cagtccatac	180
aaggatgcgc	ccgggttcaa	tgtatcaa	ggcgcccc	gaggctgcga	gctatcccag	240
gtgcacgtcc	tgcaccgaca	tgcccagcgg	taccccggtt	cttccctcct	agatggcggg	300
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<210> 10522

<211> 555

<212> DNA

<213> A.fumigatus

<400> 10522

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tgcatctctg	atgcagcatt	ccacgaactc	gacttcccca	gcccggccatc	cacagaggaa	180
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<210> 10523

<211> 192

<212> DNA

<213> A.fumigatus

<400> 10523

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cccgaggagg	acggtctcaa	caacaccctc	gcctcggacc	acgcctgtcc	aggggataag	180
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<210> 10524

<211> 885

<212> DNA

<213> A.fumigatus

<400> 10524

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caccagcccc	tgtacatgga	catgtcacat	gacgatgtca	tcgttgccgt	ccttgccggc	480
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ccgacacagg	ggttgggtgg	ctgtgagcgt	gcggagaacg	ggttctgtgc	tctgacggat	780
tttctggggg	gtgtggccaa	gttaaaggag	aaggcgatgt	atcagggttg	ttgttttggg	840
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<210> 10525

<211> 375

<212> DNA

<213> A.fumigatus

<400> 10525

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aaagacaagg	attacttccc	tattatcgtg	gtcggtaaca	agtgcgattt	ggagaaggaa	300
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<210> 10526

<211> 255

<212> DNA

<213> A.fumigatus

<400> 10526

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cgtcgttaca	acaaggagat	gtcgtcatat	ccgtccggtt	ctggtgccgc	aggcaccctg	180
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tcggttatta	tgtaa					255

<210> 10527
 <211> 204
 <212> DNA
 <213> A.fumigatus

<400> 10527
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 aaaaaggcct acatcgtatt gtag 204

<210> 10528
 <211> 957
 <212> DNA
 <213> A.fumigatus

<400> 10528
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 gaaagaaaaa ggaaaatact gagatggaca tttacgctca acccaggacg cttcaatcaa 180
 aaggagcact gtatagtggc cataatggcg tccctgggtga cagcctttga caacgggtct 240
 ctgcgaacag atgtctacgt cgcttttgag aagttccttc atgttctctat ttccctcgga 300
 tataggttca tgtttcttct caccacacag gctttgagct ttggcatcgc aggattattt 360
 cacaaattct tcgttgagcc agaagcctgc gtctggccgg ggggtgctcc gacctgctcc 420
 atgttgtata caatgcacca acggaacaaa cagaacgaag aaactaatgg atggaaaatt 480
 agtcgcacga agctttttgc tgtgggttatc ctttgtggga cactgtatca atttcttccg 540
 gggttcttat tcacaggcct cacaacattc gcctggataa cttggatttt tcccaacaat 600
 gtcactatca accaggctct tggagccatt tcaggaatgg atcttctccc catgaccttg 660
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 agcaatgttt gggagggaat gtacatgccg ttttcttcat cgaagacgtt cgataatata 840
 ggtagagtaa ttcttgatac gtctcttagg agttatctaa cacattcaag gcaagccata 900
 caacaccagt cgagtgatga actcagatta ttcactaaat cagactgcct atcatga 957

<210> 10529
 <211> 237
 <212> DNA
 <213> A.fumigatus

<400> 10529
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 gcctgggttc tggggatagt cggaactgtg gtccttacgg cgttgaacca gttctttcaa 180
 tttcattctc caccacgtga gtgtcttggc cagggttacc agcagcagga gggctaa 237

<210> 10530
 <211> 288
 <212> DNA
 <213> A.fumigatus

<400> 10530
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 cagactgcct atcatgatta ttctccagtg tttctgtcaa caacgtctgt tctttcatat 120
 ggattgggat ttgcgcgtgt ggcttcaatc atagttcata ccgctctcta ccaccatcgt 180
 gagatctggc acggacttct tgccagtatt ggaaagtcgt ctggtgaaga gaagccagat 240
 attcacgcaa gggtaagcac caccagccca gtgggaaata cacactaa 288

<210> 10531
 <211> 390
 <212> DNA
 <213> A.fumigatus

<400> 10531
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 catgggtctga tcctggccat aacgcttcac gtgatactct tgttgccaac aggtatcatg 180
 atggcctact gcaatatcaa gttgtogact gccgtgatat cggccctcgt agcgggggat 240
 atctggccag gaaagatgat gaacaatgtg gtcttcaaga tctttactct tgtttcatca 300
 gcccaaggac tcggatatat ctcggtcatg aagcttgccc actacatggt gagccttcct 360
 ttcaagccgg aagaacaagg ctctctctaa 390

<210> 10532
 <211> 240
 <212> DNA
 <213> A.fumigatus

<400> 10532
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 atcgggtgcc catccccatt agtactgtac cttctggaca gacgcttccc ccgagcaatg 180
 ctgagaaagg tacctacaga ccgcaccaca tacaatgtct atgttactga gtgcaactag 240

<210> 10533
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 10533
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 ccgtgggtgga tgaagtataa ttacattcta tcggctggac tcgatgcggc gctggcagtc 180
 ggcaactttc tcactcttct ctgcttggcg taccctggga ttgagctcaa gtggttcggg 240
 aacgacatcg cggcgcggaac cgcagatggg ctgggcgtgc cggtgcgaac ggtggagcgc 300
 ggacaaacct ttgggcccgc gaattggaat tga 333

<210> 10534
 <211> 441
 <212> DNA
 <213> A.fumigatus

<400> 10534
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 gcgagtaaaa cttggcgcat tctacgtctt tctgctaaag gcaaaactcg gcctttgac 180
 aagattgatg acggcaagaa tctgaaggct ctgtttgaag ccccgcaacc tcttgagagc 240
 accactcctg ctcatgaacc ggcctcccag gcttctgagc ccgcggctaa ggcacccggc 300
 gatgccggac cggaagccaa tgcacccgga caagaagaac agccagttga caggaatact 360
 acagcagttt ccgaacagac accaggtgat ctgaatgata acaatcaaga agcagttacc 420
 ggggctcccc aggcgacctg a 441

<210> 10535
 <211> 1131

<212> DNA

<213> A.fumigatus

<400> 10535

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gtgaccctac	ggccgggctc	cgtattaatc	agtagcacia	gattttctga	caagaatttg	180
gaagagttcc	agaccctaag	gtataattgc	agacagggtta	tccttgtttt	cagtcaaccc	240
ttccctgaca	cccgcacagt	caaaatggat	aatgcgcgat	acctacaagc	tagcactcaa	300
aactcaacag	tcgacttgaa	atatgactgc	gatgaagaaa	acatacaaca	ggcagatggt	360
aacagctctt	tatctgcagc	tgtgacagat	agtcttgaa	atgtactgcc	gagagataga	420
gagatgaaga	caccgacata	cgattatgct	tacgagaagt	cgatgagcca	cacagaagca	480
aaactcttct	accagcatca	tcaattgggt	tcacgagggt	ccgacagtga	gtctgatcag	540
ggttccggcc	tcagcggtag	gcgttctgcc	tctggcatac	tatcaactaa	agctcagacg	600
gaggggaagc	cccaaacagg	catcctaggc	tcgagtaatt	caactcagct	tggcccgcct	660
acttcgggat	acgccgaaaa	tataagcacc	agtgtcgggc	agcgtccact	gagagatgat	720
gcaatgcctc	atgaaaatct	aaatgaacaa	ggatcatctt	atatgcaatt	caccactgag	780
gttccagggt	ctgtcaaaag	tgccatgaat	atgacgggca	gcggcacggg	tgcacgga	840
ttaaactgca	tctaccgcaa	gattcgcgga	ctacttgagc	gacgtgccga	atatatcaga	900
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cccccgccag	aaccagcctg	ggatgctgat	ggagagaatg	ggaatcaagg	atcctctgct	1020
ggtgctggaa	ccaagaaaag	aaagatgggc	caggatattg	gtgaggactt	cgacatggct	1080
gaattaatcc	cgctcccggg	gagagtcaag	ttggacattc	aaattggatg	a	1131

<210> 10536

<211> 633

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (495)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10536

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aaccccgctg	gggagtcaag	gctacgcgag	atcttcttga	agacggacaa	ttatatataa	180
ggtcgcctatc	tggccgagat	cacaaaagag	gtcatctcag	atttagagtc	cagcaaatac	240
caaattggtg	agtggcgcat	atcaattttac	ggaagggtcaa	ttcaagaatg	ggacaagctc	300
gotgcttggg	tcgttgacaa	caaattattc	tccccaaatg	tgcgctggct	aatacaagtt	360
cctcggcttt	acgacgtcta	caaagcaagc	ggcatgatgg	agaacttcga	gcaagtcctc	420
acaaaacgtt	tccagccatt	atttgagggt	acaaaaaatc	cgagcagcca	tcccaaactt	480
catatcttcc	tccancgtgt	ggtcggcttc	gacagcgtgg	atgacgaaag	caaagctgag	540
cgccggctgt	ataaaaaata	ccccattcct	agagaatgga	atacaaggca	aaatcctcca	600
tacagctatt	gggatttact	tcatgttcgc	taa			633

<210> 10537

<211> 531

<212> DNA

<213> A.fumigatus

<400> 10537

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gtgtacgaaa	atctcgaggg	tgcaaatgcg	aacaagccta	ccatcagaat	accttactgt	120
cgtgattttt	atatggacct	cgacgcagtc	atagatgtat	ctacagacgg	accagccaag	180

agctttgcgt	ttaaactgtct	ttcttatctg	gagggcaa	ttcagctcta	cacgctgctc	240
aatgaatatc	aagagattgc	tgacagcaaa	aaggtagcac	acagagactt	ctacaatgtc	300
cggaaggctc	acactcatgt	ccatcactcg	gcttgcatga	atcagaaaca	tctcctcagg	360
ttcatcaaaa	gcaaaaatgaa	gaaatctcct	gatgaagttg	tattattccg	ggatggtaaa	420
catctaactg	tgagagaggt	ttttgaaagt	ataaacctaa	cagcctatga	cctaagcatt	480
gatacgctgg	atatgcatgt	atgtatcatt	cccacaagtc	tctttctata	a	531

<210> 10538

<211> 1137

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (10)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10538

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gtaacctctc	tgctcaataa	ggttgatctg	gaagttggag	aagaagcggc	aatagcaaaa	180
tcggcacgtc	ctgctgcacc	caaaaagaccg	aaactgccgc	cgccaacccc	tgaacagatt	240
gcatcagagg	aagctcttga	aaatgagatg	acggctctgt	tatcgaaagg	ttctaacatg	300
attgagagcg	tggcttcggg	ccgggaacaa	gagaacaaag	tttctgaccg	ggcagaaatt	360
gacgcctccg	aattcgaaga	tgatccggag	gtcgccaact	gtcttctatc	tccagccgaa	420
gttgaatca	aagaacgaat	ttgggtgcac	gagaacaagg	actacttgcg	aacacaacag	480
gccaaggcct	tgaaacgagc	cctggcggag	gccgattccc	agccaggaat	gcgtaagcct	540
cgtaaacgcc	gaagggggcag	gctggggagac	gtcacctatc	ttgaagggga	cggggaagat	600
gcggatggca	gaagcaccag	ggcatctact	ccggccgaag	caactcgtcg	catgctcgag	660
cgcagagggg	ttagtaagaa	gatcaactat	cgccttcttg	aatcgttggt	cggcgatgaa	720
ggggccgacg	aggctgccaa	ggccaaggcg	gagagtatga	gcaggagccg	gagtcgaagc	780
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gccaagcctg	ccgcctctcc	cgctccccct	cggagggtcca	cacaatttcc	aggggagaaa	900
ccccttcagc	cgggagtaca	ggttggcaag	attgacagcg	cgcataccaa	cgaggagggtg	960
ctcggaccag	cacctgagtc	aggaaagatt	ccggagggaag	aaatggacga	ctacgacgac	1020
gacgaggagg	aggaggagga	ggatgactat	gaggaggacc	cagacgggtgt	cgaagctgcc	1080
tttgcagggc	agtatggcga	ctattacgac	gatgaaagtg	attatggtag	cgattag	1137

<210> 10539

<211> 219

<212> DNA

<213> A.fumigatus

<400> 10539

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aaagtggacc	aacctgt	ttt ctacagag	tc gtgggtac	tg taccttac	ag cgactact	ct	120
ggtaaggcac	caagacag	gt ttacaggt	ca ctggatat	cc agtgcgtt	gg aaggtgg	tcc	180
ccagtaggta	agtacctac	c taaggtag	gc agcaggt	ag			219

<210> 10540

<211> 306

<212> DNA

<213> A.fumigatus

<400> 10540

cacgttcgcc	aatcggagg	acgatgtggc	agagtcagcc	aagacctctt	gaatgtaagt	60
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attccacccg	tgcgtttgtg	ggatggcagc	cacatggagt	ttcattcgcc	acttgaaatt	120
tactcattcg	ttctcagtag	ctgtggagcc	gctatgattg	gcgaggactc	acagactgag	180
tctggcccac	cacatctgtc	gttcaattta	gttagccact	ctactgtcaa	agtcaaaaag	240
gtaggtaaga	tctcaacttc	tacagacata	gatacacggg	ctattgagta	ttcgagcagg	300
tcttga						306

<210> 10541
 <211> 198
 <212> DNA
 <213> A.fumigatus

<400> 10541						
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tccccatttt	tttttattaa	gcgggcacag	tcggttggca	ccaagtgtt	ccaatgtttc	120
cggtttacgt	ctgtttgggt	tttttctatg	ctcttcaccc	ttgacggcgg	ccttgcata	180
atctttcttg	gcttttga					198

<210> 10542
 <211> 273
 <212> DNA
 <213> A.fumigatus

<400> 10542						
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ccgcttgatg	agaacgcttt	gcttcaagaa	ttagtcgcac	agttcctgac	tcatagaaggc	120
tatgtcgaca	ccgctcgggc	tttctcagaa	gaggttgctg	cggagtcagc	ggctctggag	180
aatggtcgaa	aggaatccct	tacaaagtat	gaagcgggag	aaggacttga	cgcgatcaac	240
cgacagagta	agatcacacc	tgctttccat	tga			273

<210> 10543
 <211> 735
 <212> DNA
 <213> A.fumigatus

<400> 10543						
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caattcaagc	tacggtgccg	gaagtttctg	gagatgatgc	ggcgctgcaa	cgagctctcc	180
tccgcagcgt	cgaagaaagg	caaagcgctc	aacggccttt	ccgatggcag	tgccgtgttc	240
gaccaggaga	tggaacttga	tgagcaacta	caggaagggt	acggctggga	taccgagggc	300
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caatacgggc	agcagttacg	catggattac	cccaacgacg	agcgaggcgg	cgacaagaag	420
gtgctggatg	acatcttctc	attggttgcc	tatcaggatc	cgaaacgatc	agtgcacggt	480
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ctagtgtcac	tccggaagcc	atcttcagcc	gctctggagc	ggctctatca	acagacggag	660
gtgcttgtca	acgagatcag	cgaagagggc	ggcgctgggg	cgtttatcaa	tgtgcgcaat	720
gattttttgc	tttag					735

<210> 10544
 <211> 333
 <212> DNA
 <213> A.fumigatus

<400> 10544						
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ttccctgggt ataactcgct ctctccgggc catacgagtt tcgtttcggc cttccacagg 180
tcgtcaggcg atgtgcgcgc caacctccaa cgacgattta ccacggactc aagtaagctc 240
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<210> 10545

<211> 456

<212> DNA

<213> A.fumigatus

<400> 10545

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ggctacttct actatcgata cacctacatg tgccttggga cagacacggc cgggcaaagc 180
ggtacagaca acacatacca ctctgctggt tacactccgg tcggaagca agaccacaca 240
gcacagacct cttggtataa taacacggcc atgcccgtg tgaaggccga tatagaaaag 300
aacttttacg gtgatgcaga tcggaacaag caaggcagaa cctatgagcg ttacaaccag 360
caatatgtta ggagagca attcatgtgg tgttcgaagc ttccgactca tacatccgag 420
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<210> 10546

<211> 882

<212> DNA

<213> A.fumigatus

<400> 10546

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cgcgattttg gcggggggcac tggcgctgcc agcattctcc agacttacc c tggcaaggctc 180
ggagtgccaa gctcgatttt tgctcgatg aacagccacg aagaagctca ggaggtggcc 240
gaaaagaact tccttcctga agacgctgaa gaccttctcg atcgtcttgt t cgggctgtc 300
atgaaagcaa agaacggatc gacgagtagc gcgcaagtca agaagagaaa accagaggcg 360
gccgagatga acggtaacaa tggctcggcc aagaaagcaa gaaaggagaa agagaagaca 420
tcacggcccc gcagatcctc tgctggtaca acctcaaaaa caccaagaa aaagaagaag 480
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cggagacgca gcagccgcg aacgtcgaag agggtcagtt atgtggacaa agacagcgat 600
gaggatgaca tggaaagtga tgaatgggga caagagaacg acgagcaaga ggataacgca 660
gatgacgctg aaagcgagaa tggcagtga gccgccgaag aaaaagtcga cgatgattca 720
gatagcgaag agcagttgag tgaagcgga gaactagagg atcccagga ttctcagaa 780
ccagccgctg cgaagtcaga aaaggaaaag cccgaggcga agaacaaacg cagtgagaag 840
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<210> 10547

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10547

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gaaagcacac atatcattca gcgttctagg ttaatttttt tttttctaaa tcttctcttt 120
tgggctgaga agaccatcta cattgctaaa caatattgca agctgtatat cgtgcctcaa 180
caccaatag 189

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<210> 10548

<211> 384

<212> DNA

<213> A.fumigatus

<400> 10548

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gacctcgaga	agcacatcga	ggaagaggag	accattgact	ttgtcaagct	ggaggacgca	180
atcaccccca	aagagagcga	gagcctgccc	aagtcgtttg	gccgaacgaa	gatgttcgtt	240
cccaccggt	cgcaccccaa	caccccgaa	aaacctcctt	tcgagacggt	ggtcgggctg	300
ctggctgcac	caattgacca	tctagcggat	atattccgta	aatggcctga	tgatgtgatc	360
aatccaatc	catcgtctga	ataa				384

<210> 10549

<211> 231

<212> DNA

<213> A.fumigatus

<400> 10549

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gatggtgagg	tgtctgggtc	cgtgtacatg	tgtactctgt	atgtgttcag	acctgtcagc	120
cctctgtctc	taaacaaagt	taatggcgta	gaatacaaca	ccgaagctct	ctgtgactct	180
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<210> 10550

<211> 279

<212> DNA

<213> A.fumigatus

<400> 10550

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<210> 10551

<211> 1890

<212> DNA

<213> A.fumigatus

<400> 10551

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<210> 10552

<211> 1680

<212> DNA

<213> A.fumigatus

<400> 10552

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<210> 10553

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10553

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<210> 10554

<211> 2595

<212> DNA

<213> A.fumigatus

<400> 10554

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<210> 10555
<211> 201
<212> DNA
<213> A.fumigatus

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<210> 10556
<211> 1575
<212> DNA
<213> A.fumigatus

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<210> 10557
<211> 294
<212> DNA
<213> A.fumigatus

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<210> 10558

<211> 183

<212> DNA

<213> A.fumigatus

<400> 10558

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<210> 10559

<211> 1614

<212> DNA

<213> A.fumigatus

<400> 10559

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<210> 10560

<211> 1188

<212> DNA

<213> A.fumigatus

<400> 10560

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<211> 288

<212> DNA

<213> A.fumigatus

<400> 10561

tgtgtttag	ccgagaacaa	ggtgctcatt	gttgccctgg	gaaggctgac	tcctctcatt	60
cgtcagatga	tgtcgcccaa	cgtcgagggtc	caatgtaatg	cggtcggctg	tatcaccaat	120
ctagcgactc	acgaggacaa	caaggccaag	attgctcggt	caggagctct	aggtccattg	180
atccgtctag	cgaaatccaa	ggacatgcgt	gtacaacgta	atgccactgg	aagccttcta	240
aatatgacgc	attctggtaa	cttggggtgc	gtgataaaaac	ggttctga		288

<210> 10562

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10562

tcttcgaccg	gcgtgttgaa	aacttgccgc	aacgacaccc	caatcaacga	ccattgcctc	60
tatgacaacc	aatcgaaatc	atgcacggta	ataatgatat	ctttgacagg	ctttccaaac	120
tataagggtc	aagctctgag	gctaattgac	tccatgatct	cagtagtcgc	taatgggtgtg	180
ggacaaatca	ctctttcctg	a				201

<210> 10563

<211> 234

<212> DNA

<213> A.fumigatus

<400> 10563

ctgagcgagg	tacgtcatat	tgttgctatg	aaaccagaag	tcggaactga	cgttattatt	60
attgtcgcag	atgtgcgcga	agtcgaccgg	gacacgctcg	agcctattct	cttctgcta	120
cagagctcgg	acattgaagt	ccaaagggct	gcaagcgag	ctctcgga	tcttgccgtc	180
aacggtttgt	cactcaatct	catatcgctc	tcgagtaccg	ctgatgtgtt	gtag	234

<210> 10564

<211> 255

<212> DNA
 <213> A.fumigatus

<400> 10564
 gctgtgctga ttcacgtca tattgaaatg ttcagcgatg agaagaagga cctaccactc 60
 tcggaggatg acggtttcac aacgttcgcc aaaagtaatt caagctcaaa gaacaagaag 120
 aaccaagaat ccaatttgaa gatcagcatt tggcttgatc tggtcgttga agtcgatatc 180
 aagatcaagg cacatctata tagtgatatt gtgataagtt tgcttcaagt cgctgggatg 240
 accatccacg gctaa 255

<210> 10565
 <211> 423
 <212> DNA
 <213> A.fumigatus

<400> 10565
 tcggctaccg tccctcacac ctaccttcgc tttgaaactg tcgcttccga ggccttctgg 60
 cctcccatca ccgaaggtat gactgcgatc gcaaacgcgt gtctgtcctg tctatcggca 120
 gtcgaccgct ggtgtcatat cacggcctgt ctccggtccta taggaggtcg ctccgagat 180
 ggaatttatg agacaacgct agcagacaat gagcgggagg ccgtatccga cctgctcggg 240
 tacttggaga acgtacgtct agctttgtcg tctatgccct tgcgcttcgc atctaacata 300
 attatcaacg tactcgggcc tctttctgct gtcgaagctg actttacttg tgttctagcg 360
 agccgaaacc gacttcttct ccggcgaaacc tcttcgcgcc ctgagcacct tggtttattc 420
 tga 423

<210> 10566
 <211> 192
 <212> DNA
 <213> A.fumigatus

<400> 10566
 ttcgtcaatg tcaacttctt cttgcctttg tttatctgtc gcatccgccc cagccatgct 60
 tttttatccg ccataacca cactgatttc ttctactctc ccgacaaggc taccagtga 120
 cacttcgcaa attcgcttca agggcaacta tccgcggacc caaacgtctt cattgtcagg 180
 tcaataagat aa 192

<210> 10567
 <211> 1638
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (1332), (1401), (1497)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10567
 agactttacc tttctgacct ggatccgcgc acggtccccc gggactcccg ctctgggcag 60
 gtcaccccaa tcgaagagag agatccggac gcctatgtcg agcggccgac ccattatcgc 120
 gggggcatcc tctcatccct cctcaagcta tacgaccagt ctccggcgag cagccactat 180
 tcccgcggcc ggtatggcca ctcccgtcag agcagtctgg gagaggtcag tagccggggc 240
 ctctcgccgg accccgggtg gaaacaaccc cagcgacaac ggaagtggta cgaaaaatcc 300
 ccgagccaat ctagcacctc cctctccggc tcgacggaca agaactcgtc cagctcgccc 360
 attgcgatgc tcaagcgctc gcggagcagt ggtcccatcc ctgggttcggg cggcaaacgc 420
 tggaccaaac cccggctgga ggatgagatc cgcattactg tccatatcgc cgagctgctc 480
 tcgcgccagc gatattctcat ccgactgtgt cgggcactga tgaagtacgg tgctccgacc 540

catcgtcttg	aggaatacat	gaccatgact	gctcgagtc	tggagatcga	tggccagttt	600
ctgtacatac	ccggatgtat	gataatctcc	ttcgatgacg	cgteccacga	caccaccgaa	660
gtcaagggtg	tccgatcagc	ccaaggagtc	gacctgggca	agctctccga	tgtacatatt	720
gtctataagg	aggtcattca	tgatgtgatt	ggcgtggagg	aagccatcca	gcggctggag	780
gagatcatga	agaagaagaa	caagtattcc	gtgtggatgc	tcatcctggg	ccacgggttt	840
gcctcggcgt	ccgtggggcc	ttttgccttt	aatgcccggc	cgatcgacct	gccgatcgcc	900
tttttgctcg	gatgcctatt	ggggtcctg	caactgggtc	tgteccacg	ctcgaacctc	960
tactcgaatg	tgtttgagat	ctcggcgggc	gtgatgacct	ccttcctggc	cagggctttt	1020
ggcagcatcc	ggtacgaagg	cgaacggttg	ttctgctttt	cagccttggc	gcagtcgtcg	1080
atcgcgctga	ttctgcccgg	gtacctggtg	ctgtgcgcca	gtctggaact	gcagtcgcgc	1140
agcattgtcg	ccggctccgt	gcgcagtgtt	tacgccatta	tctactcaat	gttccttgga	1200
ttcggcatca	caatcggaac	cgcagtgtac	ggcctgttgg	actcgaacgc	ctcgaccgag	1260
tacacatgcc	ccccgagccc	aatccgcgac	gagtacctgc	agcacttccc	tttcgtcatc	1320
cttttctactc	tntgcctcgc	gctcgtaaat	caggccaaat	ggcgccagat	cctgtcatg	1380
cttttcatcg	ccttcgcggg	ntacgtcacc	aactacttcg	gcgctaagcg	cttcgcctcc	1440
agcacgcagg	tttctcctcg	cctcggcgcc	tttgctgttg	gcgtcctggg	caacctntac	1500
agccgcctcc	gtcacggcct	cgcagccgca	gccatgctcc	ccgccatttt	cgttctcgtc	1560
ccctccggac	tcgctgccag	cggctcccta	atatcttcac	cacggggggc	gaaggagccg	1620
cgcaatgcgt	gggtaagc					1638

<210> 10568

<211> 1302

<212> DNA

<213> A.fumigatus

<400> 10568

agaaaagcgt	taattatggc	cggcggttat	ttcgatctac	caatatcctc	gtcccggcgt	60
tcgagccttg	ctgatgaatt	ccataatgcy	agcagacctg	ccccaccgcc	gcgtacttct	120
cctcttgtga	ctcccaatga	aggctcatct	caggaaaagc	cgctgggctt	tatcaatacc	180
cccggcaggc	accggaatgc	aggtattctg	aaaagtgcga	atcgcgtaa	gttcaccgtc	240
agttagggctg	gcctgctcga	ggctccagca	gcgggatcga	cgtcagagac	ccgttttgac	300
agttaggggtt	cctcacttcc	tcagcgacca	ttgctgtctg	ccagcattcc	agttgcagag	360
agagcccccc	aatcaatttc	ttcgggtgat	cctgggtcca	acgccccgcg	aggtgtcacg	420
ggccttgcgtg	accactcgca	agcggcctcg	tcggagatct	caagggaacta	tgagatcagc	480
ggagagaaaag	ggagagcctt	ccagtttgct	caggaaacgag	cccagcgact	ggcgtccctt	540
ctgggacgta	cttccaaatc	ccctcgacca	agccacagat	cgagcgtgcc	gtcatcagtc	600
gcttcgaccc	ccacagaggt	ggtgcgcct	tcagaggatg	gtagtacat	tcccatgac	660
aatctttccg	agaaacattt	cgacgacgac	tttcccagcg	aggatgaaga	cggccttggt	720
gatggacgca	cattgaccgc	aacgtcagag	gcccatcagc	tcgtgcgaca	aatgactcgt	780
aaagacttta	cctttctgac	ccggatccgc	gcacggtccc	ccgggactcc	cgctctgggc	840
aggtcacccc	aatcgaagag	agagatccgg	acgcctatgt	cgagcggccg	accattatc	900
gcgggggcat	cctctcatcc	ctcctcaagc	tatacgacca	gtcttcgggc	agcagccact	960
attcccgcgg	ccggtatggc	cactcccgtc	agagcagtc	gggagaggtc	agtagccggg	1020
gcctctcgcc	ggaccccggt	tggaaacaac	cccagcgaca	acggaagtgg	tacgaaaaat	1080
ccccgagcca	atctagcacc	tcctctccg	gctcgacgga	caagaactcg	tccagctcgc	1140
ccattgcgat	gctcaagcgc	tcgcgagca	gtggtcccat	ccctggttcg	ggcggcaaac	1200
gctggacca	accccggtcg	gaggatgaga	tccgattac	tgtecatatc	gccgagctgc	1260
tctcgcgcca	gcgatatctc	atccgactgt	gtcgggcact	ga		1302

<210> 10569

<211> 501

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (242),(311),(407)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10569

ttctgcccg	gtacctggtg	ctgtgcgcc	gtctggaact	gcagtcgcgc	agcattgtcg	60
ccggctccgt	gogcatgggt	tacgccatta	tctactcaat	gttccttgga	ttcggcatca	120
caatccgaac	cgcagtgtac	ggcctgttgg	actcgaacgc	ctcgaccgag	tacacatgcc	180
ccccgagccc	aatccgcgac	gagtacctgc	agcacttccc	tttcgtcatc	cttttcactc	240
tntgcctcgc	gctcggttaat	caggccaaat	ggcgccagat	ccctgtcatg	cttttcacatg	300
ccttcgcggg	ntacgtcacc	aactacttgc	gcgctaagcg	cttcgcctcc	agcacgcagg	360
tttcctccgc	cctcggcgcc	tttgctggtg	ggtcctcggg	caacctntac	agccgcctcc	420
gtcacggcct	cgcagccgca	gccatgctcc	ccgccatttt	cgttctcgtc	ccctccggag	480
tcgctgccag	cggctcccta	a				501

<210> 10570

<211> 615

<212> DNA

<213> A.fumigatus

<400> 10570

agatttatct	accccgccca	attctgtctg	ttgtccattc	caaagtgcga	gtcttccgta	60
ttccactga	cacaattccc	cgtctcgtgg	acattattcc	accacttcc	acttggcact	120
gctcatcgtc	caatattttg	cccctctgcc	gctttgaatg	gccgttggcg	tcagctagac	180
gcgcagtgga	gggccatggc	caccgcctg	cctcctttaa	atgatgtggc	gccctcgtcg	240
gccctggagt	catcgctcatc	cgtgagcacc	actccagctc	cagctgcagc	gtcagccaca	300
gtgttagtat	cagcaacagc	atcaatacca	ctcacctcga	accgcctcct	gactgtcctc	360
tccactccga	atcaagatcc	cgactgcgtc	aagcaggaag	cctccccgac	cccgctccgg	420
ttcacctccg	ccgacggcga	cacacctgtc	gccgataatg	gcggatccac	ggcgcccgcg	480
ggcgggaaac	gcaagctcaa	tagtacctcg	tgcgcgggtg	tggccaatct	gactcccgag	540
cagttggcca	agaagcgagc	gaatgatcgg	caggccccag	cgggagatcc	gggagcggac	600
caaatcgcac	attga					615

<210> 10571

<211> 1404

<212> DNA

<213> A.fumigatus

<400> 10571

ctcccgagca	gttggccaag	aagcgagcga	atgatcggca	ggccccagcg	ggcgatccgg	60
gagcggacca	aatcgacat	tgagtcgctt	gagcagcggg	tgcacgagct	ctcgtctcag	120
aaaccgttcc	ttgatctcca	ggcagcgtg	aagcggaaatg	aagcgattca	ggcggagaac	180
cgggatctga	agcacgggct	taaggcgggtg	atggatatca	tacagccgct	ggttgccaag	240
caggacccaa	gtgagtgttc	tttgggtattg	ttcatgaatt	gctcatgtgg	attatcgctg	300
acacaatgga	caatagatca	gcctgtctcc	cctcctgcgc	cttctcaacc	actggaccct	360
tccttcagtc	cgctacggta	caccgagact	catcatttca	cctcgaccgg	ccaaagatac	420
gagtcctcct	atacgactac	gacgtctggg	gcagacaccc	cgacgtcgac	acactcggcg	480
cctacgatga	gtgcccacatg	acgggatagc	agcagcaatg	gactagcctc	gttcgggatc	540
gcattcgact	atcagcgtca	taacctcgct	catggattgg	attttgggac	ggacgagaga	600
ctgggtttta	atttctgct	tgatgcctct	cagcaagtcc	ctcgagtggg	agggtttcgt	660
cggctcaacgg	agagcttcag	gccgtgtcag	gccgatctgc	ctccagtcta	cacccttcg	720
ccttgccgtc	ctgcgcggga	gcaacccttg	cccgcataca	aaactccgat	ccggaacata	780
gccccgacgt	gcacattgga	cgccatcctg	ttggattttc	ttcagagtcg	tcggcgcaaa	840
gcggcagagc	gagttccac	gcagaagctc	gtggggcccc	cttatccgag	tgtctcgtcc	900
ctactgaacc	ccgaaaagag	tgtttactcg	catccactgt	caaagggtgtt	tgtcgatatc	960
cttcgcgcat	tccagatat	ttcgtccctg	cctgagcaag	tagctgtctt	atactcaatg	1020
tttctctca	tgccgtggga	gatctaccgg	acgccagaga	actatgagcg	gttgccctgac	1080

tggtcacac	ctcgccctc	tcaacttctc	acaccccatc	cggcctggat	cgactacatt	1140
ccgtggccgc	ggatgctga	tcgactggtc	gcctcgtacc	aggattatcc	gtttgagcac	1200
tggttcaccc	cattcaccgc	gacctgtcc	gtgaactggc	cgtacgaggc	gacagactgc	1260
ttgctgtcca	ccagtgatca	tgaggatctc	atcatcaatc	cagtctttga	gcgacatttt	1320
agaaatctcg	acaattggtc	gctcgggtcca	tctttcgcgg	aagcgtatcc	gcacatggcc	1380
gaaaccgcga	ggatcaaadc	ttaa				1404

<210> 10572

<211> 201

<212> DNA

<213> A.fumigatus

<400> 10572

ttcggagtgg	agaggacagt	cgaggacggg	ttcggagtga	gtgggtattga	tgctgttgct	60
gatactaaca	ctgtggctga	cgctgcagct	ggagctggag	tggtgctcac	ggatgacgat	120
gactccaggg	ccgacgaggg	cgccacatca	tttaaaggag	gcaggcgggt	ggccatggcc	180
ctcactggcg	cgtctagctg	a				201

<210> 10573

<211> 1032

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (7)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10573

gccttcnctg	gtctctgtca	gtgtttgagt	ttgcctcaat	tcttttttga	tgttttgctg	60
attaaaaaac	tgcagttgct	ttggctctcg	gtaccgcgatc	gtcctttccc	tgccagaacc	120
cctcacagac	gtcgaaaggg	tcgcagtcta	caaattctcat	ctgtctcggt	cgagttgcct	180
tcaaagggaac	cgcaactagc	taagcaggag	gagagactag	atgaagagaa	gccagtccaa	240
cagactgtgc	aagaacaatc	agaaccgcag	actccatccc	catccgctgc	tccttcgggt	300
gctgattcga	cgacgcagcc	cacgacaccg	tcttcagctg	ttgcttctac	aacggcccgc	360
cctcaatcac	actcaaaagg	gccaaaaccc	gccgttctctg	tggtgcctgt	tttgcccgtc	420
atcccaagcc	ctgtagccca	ccaacggcag	ccacctaaag	acgatgtgag	ccgtgctcct	480
gaaactccta	aatcaacaac	agcctctgct	acctcagtga	acgagacacc	aaaagaagat	540
gccgttaaag	agacagctaa	ggcggcttca	cctcctcgtg	ctgcccctaa	gtcttgggca	600
gaccttggtc	gagcaaaagg	agcctcgaga	gtctcggggc	cagctgggtgc	tctctcaatc	660
gagtctaacg	gcctgggtcat	gcgcaagagc	gaatctctg	cagatgttct	aaccagtctt	720
ggggaggacg	tttcccagta	cagcgacaaa	atcgcccttc	ttgaaccaag	agggcttata	780
aatactggga	acatgtgtta	catgaactcg	gtaagtggc	acgcgattcg	gtttgctgat	840
ttgcatttac	taaacgcgag	agaacaggtc	cttcaaattc	tagtctcctg	cataccgttc	900
tatcagttcc	tgatcatgt	cggcagacga	atatcacata	gcgtccagag	cgcatttcct	960
atggttgacg	ccatgtcagt	ttgcctact	ttgcttctctg	ccacgcacga	caatactgac	1020
atcatatctt	ag					1032

<210> 10574

<211> 1092

<212> DNA

<213> A.fumigatus

<400> 10574

cgaggccacc	agcaggatgc	tcaagaattt	ctgggattcc	ttctggagga	aatgcacgaa	60
gaatgcgttc	gagctgcgaa	aaacgcgagc	acgacaaaac	ctgcggcttc	aataactgct	120

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<210> 10575
<211> 237
<212> DNA
<213> A.fumigatus
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<210> 10576
<211> 1338
<212> DNA
<213> A.fumigatus
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<400>	10576						
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agcactcggc	caacgcctca	ctccaccaca	atggcagggt	cgggcaagaa	gagcaaaggc		120
aaacctgggg	ccaagcagaa	gaataagaag	gggaagaacc	aagaaacgtc	tgagaaccca		180
tctgaaaccc	cttttgccga	gaagcaagac	caacagacac	atccggagat	cgacagtga		240
actcctttgg	atcaagaggg	ccaaccatta	caagcagagg	ttgaagccga	acctcaacct		300
gctgaaagtc	aaggatttga	atcaaacgtt	cctctacagt	ctctcccgga	acctggcccc		360
aaccacggac	aggccccgga	acaagtacca	gaactggagc	accctcagcc	tgttgacgca		420
acagcctcgg	ctgtgactga	aaattgggaa	gacctctcagc	catcgacgaa	cctggaccaa		480
gagggcatct	cgagtcagcc	gcagactttg	aacgatgtgc	agaacattct	tgaagcgact		540
cacagatcca	tcctggaggga	attagcggca	tcggaccctc	cgacagaaac	agcggcggtt		600
gagacgaatc	cagagcctaa	ccatggtctg	agtggccaaa	gtgacgctgc	cgagcccca		660
gaaccgatcc	cagtcacagc	acctcagact	cccatgtttc	aagaagcagc	agctgcttgt		720
ccgttaccat	cgccatccct	gacagaaact	gaatacatag	cgcgctcttc	tactcgaat		780
gctgcttccc	cagcgcccaa	tccttcccca	gaagccgaag	ccgaagtcaa	tctcccaa		840
cctcaacaag	agcctactcc	acctgcggac	caagctgttt	cgccagcacc	ggacctgct		900
tcgtcctcgc	ggcgcgtatc	tcctgcacct	gtagcagcat	cttccgaacc	accggcgtct		960
tcgtctgttc	tcagactgc	ctctcctgcc	ctagaggcgg	atgcgtttca	tagtgcattc		1020
cctgtaaate	atcctgcctc	tcctgcattt	catacagcat	cacctgcattc	aaagccctcc		1080
tcgcctattc	cacagtcctc	atcttctcac	tataaagggt	cttcgcccg	catggcgaaa		1140
ccagctcttc	ccgtgcagag	atatgcctcg	aagcccgctc	ctccccttgc	aaagggccaac		1200
aatccgctta	ctcgtcctta	cgtgtctcca	gcggtctcgc	cttcagctac	gccatttcga		1260

actccgccgc cagctcccag cgtgccaccc ttcaatcgct cctggctatg gcactggcta 1320
atcatccccc tgcgatga 1338

<210> 10577

<211> 198

<212> DNA

<213> A.fumigatus

<400> 10577

tcctaccacc	caggaagatg	cagtctcatt	ttgatgccc	accacttca	cttcaccaag	60
atcgttcaac	catgcaggtc	gggaaccgac	ggcttcggac	ccatccttac	gattaccgct	120
ttagcacca	agaccggggc	gttgagatcg	cctaactacc	agtactctgg	tgtgactcga	180
acgacccatg	gatactga					198

<210> 10578

<211> 225

<212> DNA

<213> A.fumigatus

<400> 10578

acggatacga	ttgcggcgac	tgtgggtgtg	gggccagccg	tagatgtgac	ttacaacagt	60
attgagctgc	aaccttgctt	cgacactgct	cagtcgacat	ggaccatgac	cactctgatg	120
cctctgactc	aagctcgaaa	agaatacaat	ctgatcaaga	aacagcagtc	ttgcacaaca	180
ctgaaaatgt	gtctcagcca	atcctcagat	tgggacctgg	actga		225

<210> 10579

<211> 342

<212> DNA

<213> A.fumigatus

<400> 10579

ttaaccctcc	ctcaggctat	caatgaactg	aacatcttac	ccttgccgcg	aagaggctcg	60
gtttccttca	ttcgaagtgc	tgctcaagct	ttctcgtctt	tccctccaat	cattgcacgt	120
aacgtggggc	atgtgataat	gtggagtatc	acttgccattg	gccacgaaag	ggcaagggtg	180
agttctggag	tgtatgagaa	cgagaccagg	caaggccctag	ctgatgaatt	actcgtcatg	240
gccaaaggatc	tgatgatctt	ctccggcatg	gtcaaataca	aattaccgcc	gagagtctat	300
gagactcttg	ctcgcgccgg	agcggatatc	ggggcttact	ag		342

<210> 10580

<211> 681

<212> DNA

<213> A.fumigatus

<400> 10580

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gctcgggaagg	tttactttctc	tgaccgggaa	ggactccgcg	tattccgatg	caactacgac	120
ggaagtgatc	ttgagatcat	cgtccaaacg	ggtgattacc	accgaccagg	agacatgcaa	180
gacgctacaa	agtggtgtgt	cggcattgcg	gtttcccttc	ggttcggcaa	gttctactgg	240
accagaagg	gattttcaaa	gagcagcacg	ggcaggatct	tctgcgcgga	tattgacatg	300
ccaccggggc	agactgcggc	aaaacgaaat	gatatccgtt	gtctcttaga	gggtctgccc	360
gaaccatttg	acctagaggt	agacgaggaa	tcaggcagat	tgtactggac	cgatcgcggt	420
gagcttccgt	ttggcaactc	attgaaccgg	gtctcgctga	aggagaccgg	ttcggaggtc	480
gaacggactg	gccatctggg	atagcaggtt	ctcacacgga	atctgaacga	ggcaatcggg	540
ttgaaactgg	atctgggacg	tggtcatatc	tatttgaccg	atcttggggg	cagcgtttac	600
cggaccgatg	gggatgggaa	gcagaagggtg	aagttgtatt	ccgacgagag	ccgtgctttt	660
actggaattg	ctttactgta	g				681

<210> 10581
 <211> 1050
 <212> DNA
 <213> A.fumigatus

<400> 10581
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 caaccgcttc tattccagtg ctattaccat tcttccaagt ccctaacatc gcttctctcc 180
 ttcctccgga cactagaggc gcgccctgac ctgcgaaaat gcgtgactag tctggacttc 240
 aatgggcaag gccaaagcga tgccctcagc gacggagatc aacagctgct ggagagctgc 300
 atcgccaagt ttggtctgcc cctggttgcta gatgactggc aagactgtct gggcgtggaa 360
 agacgcctgc tcgcggcaga acttgctgct gcgtcgtgct cgaatattga ggctctcagg 420
 ctgcccataa acccagaatg gctggtgagc gtgctcgact cgctgccgaa ggactttgtc 480
 tttgcgaagt tgaggaagct agatgtctgg ctttactata tcagcgggtga ccactatggg 540
 attgggtacc ggaagattag cgggctggtg catgcgtcac cgaacctgga gcatctgtct 600
 cttccctcca ttgaggcgtt ttatcccgcc gaggcgggag tgcctatcct ggagaagggtg 660
 aggcaccttg atctcgggtga cagcgcgcgc tcgcctgatt ttcttaagcg tgttcttgaa 720
 gcctgtccga atctcgaaag attcgagctg cattggattg tttcggatgg atacgacgaa 780
 gactccgaag agtggtcacc tctggataga cgacgggcct tgcaacgcgt tcaaagctct 840
 gttcgcgaga tcatcttcga ggctaccatt gagttccggg acgatgacaa tcttgaagat 900
 agcgttccga cgctgcgcga tttttcgcgc ctggagatcc tcaaagtcaa tgacatcgct 960
 ctgcaagcgc tgtataaagt ctggacgcac cctaaccgcc acggaactgt ggagcaattc 1020
 gtataaccag gggtttccgt ctacgattaa 1050

<210> 10582
 <211> 321
 <212> DNA
 <213> A.fumigatus

<400> 10582
 cagatatcag tattcagcca ccagttgcag cctacttcaa ttgccattag acaacaacaa 60
 gagtacataa gtctcgtgcg acccgattct aaccccgcca aacgcaacac ttgatcacc 120
 atggtagtta ctccctaga aacactgcca gttgagctcc tgagccagat cagcagctat 180
 ttatccccc tgcgtgcgg acaatatccc cacagcgtaa gccagaagca cctctccagc 240
 tcagtcgcac atgtaggcgg ctccgtgatg tctgccaaac gcttctattc cagtgcattt 300
 accattcttc caagtcctta a 321

<210> 10583
 <211> 684
 <212> DNA
 <213> A.fumigatus

<400> 10583
 tatgcaggat gctacggatg ccaataccgg tgttgcagge aagaggaagg cgcggaacag 60
 tgtcggcgaa cggaaatcct atgcggagcc agagagcagc gaggacgaag atcagccctt 120
 ggtacgccga acctctttac gccgtctccc tcgtttcccc taggttgcca cgcttttgtc 180
 gctttttggt ttcagcgtct gaccgttcga cagagcaagc gccgtcgcac gtccgtgaag 240
 cacgaagatc ctgagaccga cgaagatggt cccctagctc tcaatggaag aaagcttccc 300
 aaggcttccc aaaccgctct cggcgccgag gaatctgact ccgatgtccc aatcgagcga 360
 aagctcgtag ccagaaagaa gaaaattcag cagaaggcag aaaaggacgc taaggccagc 420
 cggaagagcg acgcatcaca ggctgcacaa ggcagagctg ccagcaaaaa gaaacagggt 480
 aatggtgtga agagtgaacc tgtcgatgag aagaaaccgg cagtcaagaa gacaaccaa 540
 caagccaatg cagagccggc agcttctgct aggaacggga aaacgaaggc gacacctgtc 600
 aagaaggaag aaagcactga agctgaggaa ggtgaagaag aagaggaaga gtacagatgg 660

tgaggagatc cgaccaaagg gtga

684

<210> 10584

<211> 210

<212> DNA

<213> A.fumigatus

<400> 10584

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cttttcggtg	gcatgctgaa	tgcgactcaa	catgtggaaa	acccaacctt	ccagaagaac	120
ttctttatgg	atttcaaaga	ggtcttggaa	aagacaggtg	gagcgaagga	tccaaagggg	180
cacccaaatc	gagatcaagg	agttctctaa				210

<210> 10585

<211> 420

<212> DNA

<213> A.fumigatus

<400> 10585

gttgtcttca	ctgtggcgtc	acatgggtgtt	gaatcttccc	aacccttcgc	accaccctat	60
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caactcaatc	tgacctttca	tgggatgtca	gtacctcta	cagacgtaaa	aatggaggat	180
acgcctgaga	ctaacgggtc	tgtcgagcct	ggcgtttctc	ttcgcttttg	gcctgtcaag	240
agtgcgggag	atattgatat	gcaggatgct	acggatgcca	ataccggtgt	tgcaggcaag	300
aggaaggcgc	ggacaagtgt	cggcgaacgg	aaatcctatg	cggagccaga	gagcagcgag	360
gacgaagatc	agcccttggg	acgccgaacc	tctttacgcc	gtctccctcg	tttcccctag	420

<210> 10586

<211> 354

<212> DNA

<213> A.fumigatus

<400> 10586

agagtgaacc	tgtcgatgag	aagaaaccgg	cagtcaagaa	gacaaccaa	caagccaatg	60
cagagccggc	agcttctgct	aggaacggga	aaacgaaggc	gacacctgtc	aagaaggaag	120
aaagcactga	agctgaggaa	ggtgaagaag	aagaggaaga	gtacagatgg	tgggaggatc	180
cgaccaaagg	gtgacgggac	aatcaagtgg	acgaccctcg	aacacaacgg	cgttgttttc	240
cttcttccct	acgaactctt	accaagcgat	gttaagatga	agtacgacgg	tgttcccggg	300
cattcttcac	ccgaaagccg	aaaaagtggc	gggctctttt	cggtagcatg	ctga	354

<210> 10587

<211> 1017

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1013)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10587

atgcgactca	acatgtggaa	aacccaacct	tccagaagaa	cttctttatg	gattttcaaag	60
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gagttctcta	aatgtgattt	ccgaccgata	tttgattact	acgacgcaa	acgaattgag	180
aagaagaatc	ttcctccggc	tgagaagaag	cgtcttaagg	ctgagaaaga	tgctgccgaa	240
gcgccatata	tgtactgcct	ctgggatggg	cgcaagcaga	aggtcggcaa	cttccgagtt	300


```

gaaccgcccgg cctgttccg tggccgtggt gaacacccaa aaactggtcg tgtgaaagca 360
cgagtccagc cggagcagat caccatcaac atcggaaaag atgccctgt tcctccgcca 420
cctgaaggctc atcgtcggaa ggaagtcaag cacgatcaag aaggaacatg gcttgctatg 480
tggcaggaga acatcaacgg caattacaag tatgtgatgc ttgctgcaa ctctgacgtg 540
aagggcctga gcgactacaa aaaatttgag aaggcacgcg aactcaagaa gcacattgat 600
cgcattcgca aggattatca aaaggccttg aaacacgagc tgatggttga gcggcagaag 660
gcaacagctg tctatctcat tgaccagttt gctcttcgtg caggcaatga gaagggtgag 720
gacgaagctg aaactgtcgg ttgctgctct ctgaaatatg agaacgtcac tctcaagcct 780
ccaaacaaag ttatctttga tttcctgggt aaggatagta ttcgatttta tgacgaagtc 840
gaggtcgatc cccaggtttt caagaatttg aaaattttta agaaaccccc caagaaggag 900
ggagatgaga ttttcgatag attaacgggtg tgtgctcagc tcggctcttt cgtgatcgat 960
gatgataatt tttgtcttac acggccggga atggaaggag tagcgtcccc ccngtaa 1017

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<210> 10588

<211> 333

<212> DNA

<213> A.fumigatus

<400> 10588

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gaagacacta tcgagaaatt cctccaggtc ggctgtcca cgaactacca gtacacaaag 60
actagacccc tcaccggcac tgtgaccatg accattccaa agaacaagtg gggagcgata 120
gtgagcaatc ctctgacgca ccgcaagaga ggctatatct tcaactggctc gcctggccgg 180
ggacagttcg agtactacca ggcagattca ttcaccgatg agacttatag atacaaggac 240
ggttcgctga actgggtgaa gggagtgggtg acgacttgct tgaggggatac ttatccagtc 300
aagcgggtgcg ttggacaggg tgagctcaaa taa 333

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<210> 10589

<211> 759

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (154), (169), (243)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10589

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cactttctca ttgcttggac tggcgagaag gagatgatcg actcgtttga gagaagttcc 120
gcaatggtta cggtttccct acagttggcg ccanatgaga cgagcatntt aagtctcgag 180
aagagcggca gctgtgatct taciaaagttg accaagactg caagcagcag tacaataagg 240
cantacggca tagctaacct gacacgttgg gacctgtcga tcgaagactt tcacgctcca 300
cacagccggt ttcaggtcca aacagccatc acatcgcaca acttctccaa catcgccatc 360
agaccatgga gcgctatctc tcctgaactg gcaaaggtag gcggcatcgg tcggtactcc 420
acgagcttca ctgtaccgag tgtctctcgc atacgcggca agctatcgct aggtccgatc 480
attcacactg ctcgcgttta tatcggagga cagaggcttc cccaattga cccagtcaac 540
ccggtcattg acatatcctc atacatccgt cccggtcaga catataaact tatagtggaa 600
gtgacaacac cattatttaa tcggatcaag acggatgcga atcacactaa gatcgccggg 660
tcgaccgcgg tagagctaca gccgttgat gccagtacgc cgtatcagga gtacggcttg 720
atggggccgg tgggtggtcac ttggagcatt agcacatga 759

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<210> 10590

<211> 204

<212> DNA

<213> A.fumigatus

<400> 10590

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ttggcattca	ttagcactct	cctaatttgc	aaattgacga	cagaaatcaa	ttttcaaatt	120
tccaggcagc	ttggtcctca	gcagcagacc	ctccggcctg	taggaaactc	cagagactcc	180
attttctacc	ttactttacc	atag				204

<210> 10591

<211> 699

<212> DNA

<213> A.fumigatus

<400> 10591

tttccgcaga	gggtcggcca	cgaactgaca	tctgtaagtt	ccgcggctct	tctcaccctg	60
ccaacttggt	ctcaatttaa	tactttgata	gatcaaaagg	tgcgccttca	tttcgcatcc	120
gcgagtttgg	accgcaccgc	aatcaacata	gtatactccc	acgtgctcaa	ccctatggtc	180
gtcactcgat	catatatgtg	catcgagccg	attgaactgt	ggcttgacct	tcgttctctc	240
cgccaagggc	ttgtttgtcc	cgtcgatgca	gacacagatc	cgacggcgct	gcttgtccag	300
gattcagggg	tggttccggg	aaacacacaa	gtagctattg	tgaatccgga	aacctgtacc	360
ttgtcacatg	tcggcgcaata	tggcgagata	tggattcaat	cagacgcctg	cgccaaggcg	420
ttttatggat	ccaggaatga	ttttgatgct	gagcgattca	acggccggat	tgtggatgga	480
gaccctaacg	ttgcctatgt	gcgcaccggg	gacctggggt	tccttcacac	cgtcactcgg	540
cccatcggtc	catcagggtca	acctgtcgag	atgcagggtgc	tctttgtcct	gggcggaatt	600
ggtgaaacat	tcgagggtcaa	tggattaaat	catttcccca	tggacatcga	gaactctgtg	660
gagaagtgtc	atcgcaacgt	tgtgcctgga	ggatgggtaa			699

<210> 10592

<211> 942

<212> DNA

<213> A.fumigatus

<400> 10592

cccttgcaat	ttagttgtgt	cttccaggcc	ggtgggttga	tagtggttgt	cgtcgaagtg	60
acaagaaaag	catacctggc	atcccttgte	cccgtgatcg	tagacgccat	cctaggtgag	120
catcaagtca	tagctgacat	agtggcggtc	gtgtctcacg	gagacttccc	tcggctctcg	180
ttggggcgaga	agcagagagg	aaagggtgtg	gcatcatggg	taaccgcgag	attgcgacg	240
atcgcgagtc	tcagtattcg	tgatatggag	ggatcaatga	acctctttgc	agaagctcct	300
caccatcggt	ctagtaaagg	ctcgaaaacc	ggtagcggtc	tgggcaacag	cctgcgtcgg	360
tccactctcg	taccggaagc	tgattcagct	actgttccct	gttctccagc	tccagtgcct	420
gtggagcagc	cgcaagaatc	aatggtgccc	caataccatg	acgtacatga	aagagccgga	480
ggtgagatgc	ttgcgccacc	tcttccagac	gtgcagctgt	ctcttctca	gatagaggat	540
cctgtcccac	caatgcggtc	ttcgaataat	gaaagtcact	cggcaggcat	tgtcacaact	600
gaccttggtt	tcaacttcgg	cgatttcgcc	aatgcgacag	gctctactcc	catggatgaa	660
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tctattccca	cccatcagcc	gccgagaacc	agcagccttc	caattggcac	cgccccagca	780
tccggtcgac	ccgactcgtc	ggaccggtta	tcagaagaca	aaatgggaga	ttggccgcag	840
gaagctctca	tgtatcaatc	ggcgcttggg	ggtgatgatc	catacgggtc	taatgccgtc	900
gattggactc	cgggcgatgc	tacgaggaat	taccgtgact	ga		942

<210> 10593

<211> 261

<212> DNA

<213> A.fumigatus

<400> 10593

ttaggagctc	ctacctatct	tgtatcacc	gttgattttg	cgcaaaaacc	catgacattg	60
ttcgtcgccc	tgtctcggtta	taagattaag	gatacatatg	ctacaagcca	gatgctggac	120

tacgctatga	gcgctcatgcc	tgcgaagggc	tttcaactcc	aagaaatgaa	gaacctgatg	180
atttccgcag	agggctcggc	acgaactgac	atctgtaagt	tccgcggctc	ttctcaccgc	240
tccaacttgt	tctcaattta	a				261

<210> 10594

<211> 723

<212> DNA

<213> A.fumigatus

<400> 10594

cttccgccat	ggtgcgtcca	gcccaccaa	atcctccata	tgctggtgtt	accgcaactc	60
cgcagcacc	tcatcaacaa	tatcaacaac	catcgcaact	acagccacgg	cccttgacga	120
cgctggagac	atcacagaca	tcacagacat	cacagacatc	acagacatca	cagacagtcc	180
ctgagcagag	atcctcatct	caacccaatt	ctcagaaaca	agtacaacct	ccctctgatc	240
cccagcctcg	gtcgcaccct	tcgccccaa	tacaactgca	agcacagccc	ccgtcgcagc	300
cgcaaccaaa	gcccggaccc	tcgattcaaa	ttcgtacaaa	gacacagccg	cctcctaaag	360
caaagtcgtc	accgcgctca	tcaaccaata	tggtcgggag	aagacctggg	cgaccgccag	420
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agaacctacc	ggcggtgcaa	ttgtacaagc	atgtcctttc	agaacatgtg	gtgtctatcg	660
catggacgct	gggcgatgga	ccatcagtg	ctgcaactgg	tgagagaata	tcgagatgat	720
tga						723

<210> 10595

<211> 1638

<212> DNA

<213> A.fumigatus

<400> 10595

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gcctctttcc	gatcgccgtt	tcagaggtac	ccagatgctg	ttttggattt	gccccctaca	180
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cttgagcaat	atgtgaggcc	gcaagacaca	acatattcct	cattgactac	ctatccttta	300
atcccttatc	aaggaggaca	gcaataccga	gcaaaccac	ctgcgactac	acatcaacca	360
cctcctgccc	ctcctctttc	gacctctcc	caacctctac	cctggaacca	cgctcaaaca	420
caaccgcaaa	atactttgtc	atatctgaac	tatccacctt	ctacgcgcgc	ggccgaggtc	480
gttgatgttg	atgttagtgg	gcatgatggg	aagagacgtc	gtcttgaatc	atccgcgact	540
gtgaccttgt	cgaagccgac	gatgccacct	caagggaagc	ttctcgaaata	ctcatttact	600
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gatgtgactg	acgcggcgga	aaagctacaa	tacgatccga	aaacaattgc	ccgagatgtc	720
ttaattgcat	ctgggcgcca	ccctacggaa	gtccttttga	atcatcatct	gttcgcgctt	780
cgagatgtct	tcactgggct	cgacactgct	tcagatttgg	aaacctttcg	ctgggatctt	840
gtagaccggg	acgacaagca	agccaataat	acaaccacag	cacgtgacgt	acaactgttg	900
tccgcgccag	cgcatgtgac	ttccgccatg	gtgcgtccag	cccaacccaa	tcctccatat	960
gctggtgtta	ccgcaactcc	gcagcacctc	catcaacaat	atcaacaacc	atcgcaacta	1020
cagccacggc	ccttgacagc	gctggagaca	tcacagacat	cacagacatc	acagacatca	1080
cagacatcac	agacagtccc	tgagcagaga	tcctcatctc	aacccaattc	tcagaaacaa	1140
gtacaacctc	cctctgatcc	ccagcctcgg	tcgcaccctt	cgccccaaag	acaactgcaa	1200
gcacagcccc	cgtcgcagcc	gcaaccaaa	cccggaccct	cgattcaaat	tcgtacaaag	1260
acacagccgc	ctcctaaagc	aaagtctgta	ccgcgctcat	caaccaatat	ggtcgggaga	1320
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attccgtata	aggtctacac	gtgtggctgg	gagaagtgcc	aagcggagct	gcacaatctt	1440
gaaatgctca	agaagcacat	ttttaaaatt	cacgtgcctt	acacgctcac	gtgtcaatgg	1500
aaagactgca	catttcgcga	gaacctaccg	gcgggtgcaat	tgtacaagca	tgtcctttca	1560

gaacatgtgg tgtctatcgc atggacgctg ggcgatggac catcagtgcc tgcaactggt 1620
gagagaatat cgagatga 1638

<210> 10596

<211> 390

<212> DNA

<213> A.fumigatus

<400> 10596

ttgaatttgt	gttttttctt	ttcttttctt	tttttttgtt	ttgttgccca	atgggttcgg	60
tggttaacaa	ctttcatctt	tacctgccat	ctagaggacc	gtgttgctgg	cgaaagtccc	120
ttgcctaaaa	caatcccggg	gtctaccagg	ccagggggcg	aagactctct	agtattccct	180
gcaagttaca	gttcgattcg	cgcattcaat	cgtgtccatg	gcaaccatac	gcaaatcgag	240
aaagcccggg	aaatcttcaa	ggcagtagag	aggctgaagg	aacatatcgg	gtatggatta	300
gatcccgggtg	gatgccagct	ggctaccccc	acaaggattg	ggaggggtgag	caacgatgag	360
gatgtctatg	cagtgaggca	tgagtcttag				390

<210> 10597

<211> 243

<212> DNA

<213> A.fumigatus

<400> 10597

tatcatgatt	cgagcatgtg	gagagtgtct	gaagccatgc	tcttggggccc	ttcgaacagg	60
cttcccggat	acctgtcatg	gaagctggag	gaagactcgc	tcagttcagt	gtctcagggtg	120
caggaatccg	gcatgatcat	aattggttct	gtctcaagta	gcctcgatga	ctacgacctc	180
gttaggcgga	cggagccaaa	cagcttggga	ggttgtcaag	acagagctat	ctcaccatca	240
tag						243

<210> 10598

<211> 411

<212> DNA

<213> A.fumigatus

<400> 10598

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catgcacacc	gtctactcgg	acggcaagta	cacgcccagc	cagcagatcc	acaacgcgct	120
ggcccagaat	ctctccttca	tcttcttcag	cgaccacaac	accgacacca	gcaaccagat	180
catcggcgcg	taccaggcct	ctctcgcccc	ggatctgctg	gtcggccgcg	ccatcgagggt	240
taccacccgc	tccggccact	ggcaggccgt	cggcctcgac	cgcggccaga	tcacgagtg	300
gcggtacaag	ccggacgaca	accctggctt	cgcggccgcg	gcgcaccagg	tccaccgggt	360
cgggtggcttc	gtctcagcga	accacccggt	tgcgacgtgc	cccgcgtgta	a	411

<210> 10599

<211> 1173

<212> DNA

<213> A.fumigatus

<400> 10599

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gccatcgagc	caggcatctg	gaacgtcgtg	ctcgcccacat	acgaatccgt	ccccgacggg	120
atcgactggc	agctggatat	cgaaatgtcc	ttcgaccccg	togactcgtg	gttcgcccc	180
gactacgcca	ccaccgacct	tgaccccttc	tgcaacggct	gccaggagga	ttcggcgcttc	240
acctggctcc	gcggcgactt	ccacatgcac	accgtctact	cggacggcaa	gtacacgccc	300
gaccagcaga	tccacaacgc	gctggcccag	aatctctcct	tcatcttctt	cagcgaccac	360
aacaccgaca	ccagcaacca	gatcatcggc	gcctaccagg	cctctctcgc	cccggatctg	420

ctgggtcggcc	gcgccatcga	ggttaccacc	cgctccggcc	actggcaggc	cgtcggcctc	480
gaccgcggcc	agatcatcga	gtggcggtac	aagccggacg	acaaccctgg	cttcgcggcc	540
gccgcgcacc	aggtccaccg	ggtcgggtggc	ttcgtctcag	cgaaccaccc	gtttgcgacg	600
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gttccctcgc	tggatgcgcc	tgcgcagatt	ggcgataagg	tccggaggac	tgcggcgggg	960
gccaaaggcgg	tcttggtcac	tgcgggatg	tcaagctca	aggcgtgctt	tgtctcggac	1020
aaggggtact	tctacaatac	caccattgaa	gatggagtac	gggtcaaaac	gggtgtgctg	1080
tcgggggccc	ggtttgtccg	ggtggagggtc	cgcaatggca	cgacagacga	ggtgctggcc	1140
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<210> 10600

<211> 1071

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (163),(339)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10600

aagcaattcc	ccaagatgaa	gcacatctgt	tctattgcct	ggctgggttc	gcttttggaa	60
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caggtcttct	cctttgtcta	tgtgcctttt	gaagtgggaag	tngaacaac	ctccatatac	180
gttgtgcaga	actactcgaa	caagggacgg	gggaatgccc	ttgatcttgg	cgtcttcgat	240
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gaaacaactt	caccatcacg	cccacctggg	ccacgcccgg	ctacaatccc	ggcgccatcg	420
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ggcagctgga	tatcgaaatg	tccttcgacc	ccgtcgactc	gtggttcgcc	ccagactacg	540
ccaccaccga	ccttgacccc	ctctgcaacg	gctgccagga	ggattcggcg	ttcacctggc	600
tccgcggcga	cttcacatg	cacaccgtct	actcggacgg	caagtacacg	cccgaccagc	660
agatccacaa	cgcgctggcc	cagaatctct	ccttcacott	cttcagcgac	cacaacaccg	720
acaccagcaa	ccagatcatc	ggcgccctacc	aggcctctct	cgccccggat	ctgctggctg	780
gccgcgccat	cgaggttacc	acccgctccg	gccactggca	ggccgtcggc	ctcgaccgcg	840
gccagatcat	cgagtggcgg	tacaagccgg	acgacaaccc	tggcttcggc	gccgcgcgcg	900
accaggtcca	ccgggtcggt	ggcttcgtct	cagcgaacca	cccgtttgcg	acgtgccccg	960
cgtgtaactg	gagtctcggg	tgggaagaga	ccgacgccgt	ggaggtgtgg	aacgcgcagt	1020
gggacgagca	ggatcaacag	gccgtccaga	agtggcagga	gctgcttgta	g	1071

<210> 10601

<211> 207

<212> DNA

<213> A.fumigatus

<400> 10601

cataccatcc	ataggctagt	aaagatatgt	catataagga	aggaatctaa	agggaataac	60
actataatct	tcacaaaagt	gcaagaattc	aacagtgaga	tgagagccat	ggccatcaaa	120
tataagtatc	tgttttctccc	ccttctttat	acactcatit	attacattaa	taaaggctct	180
caccacggcc	tcgacatccg	cattacg				207

<210> 10602

<211> 192
 <212> DNA
 <213> A.fumigatus

<400> 10602
 cgtaatgcgg atgtcgaggc cgtgggtgaag acctttatta atgtaataaa tgagtgtata 60
 aagaaggggg agaaacagat acttatatct gatggccatg gctctcatct cactgttgaa 120
 ttcttgcaac tttgtgaaga ttatagtgtt attcccttta gattccttcc ttatatgaca 180
 tatctttact ag 192

<210> 10603
 <211> 189
 <212> DNA
 <213> A.fumigatus

<400> 10603
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 atcttggtct gctacacctc atacacttcc gcaattacac aagcaagcat cctcagtcaa 120
 gaagctccta aaacaacgat ctcaaagccc tttgacgcct tcaaaattag ctatccagca 180
 gcttattaa 189

<210> 10604
 <211> 252
 <212> DNA
 <213> A.fumigatus

<400> 10604
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 aatattctcc ttcaaacaga taatccctct ggattcaaac ctattggcaa gaactgggtg 120
 tctaccttta tcaaacgacg tgacgagatc aaaactcaat atgctcgacg atacaattat 180
 agtcgagctc aatgcgagga tccaaagggt attaaagggt ggtttaactg cctacaacag 240
 atccaaatgt aa 252

<210> 10605
 <211> 873
 <212> DNA
 <213> A.fumigatus

<400> 10605
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 gatggccatg ggagccatct aacgcctggt tttgataagg cctgcaggga taatgatatt 120
 atcgccatct gcatgcctgc tcattcttct catctcttgc aaccactaga tgttggttgt 180
 tttggccctt taaagcgtgc ttatggaggc cttgttgagc aaaagatgag cttaggatac 240
 aacctatatta ataagtttga ctcccttaaa gcatatccag cagctcatct agagggtctt 300
 acacctctaa atatccaaaa tggcttcgag gcagctggaa ttcacccttt aaagccagag 360
 aggggtgcttg agaagctgaa tatccatata tcaaccccta cccccctcc gagccgtgca 420
 tcaaccaact catcttggtc tgctacacct catacacttc ggcaattaca caagcaagca 480
 tcctcagtca agaagctcct aaaacaacga tctcaaagcc ctttgacgcc ttcaaaatta 540
 gctatccagc agcttattaa ggggttgagc atggctatgc ataatgccgc cctactagca 600
 aaggaaaatc atgatctacg cgcagccaat gagaaggaga agcagaaaag gaagcaatct 660
 agacgtcaga tgactcctaa tgaaggactc agtatacagg aagctaggga tctcatccag 720
 gcgagaaatg agcaagggaa tgaggttgag gggctcatca ttgattctgc gcctttacct 780
 ttagaaccac caaaacgcgc gccaccaagg tgttcaaatt gctttattat agggcatacg 840
 agagtttagat gccctacag caatactagc tag 873

<210> 10606

<211> 2259
 <212> DNA
 <213> A.fumigatus

<400> 10606

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ggtaatcatg	cgacaccaat	agtccagatt	gagagtaatg	aaccatcaaa	atctgcaaac	120
cccacaacta	aagcatcggc	gaagcagttc	ccaggggttaa	aacatgagca	tttcccatct	180
aaggatgaac	cccctgttcc	tgagcctgtt	gataagatgc	tttgtcgctt	ccaaggccag	240
agagggaag	aataccattc	tgctcaaaac	aaacgcagga	agcttgacgt	ctcccagaaa	300
aaacaaggtc	tggaccaaga	tgtctcacat	ctgctgcaag	attctagttc	tcggatagca	360
ccaagagaca	agagagattt	gagtgcagtc	acagacatga	gttacacaga	cgaaaagcgc	420
tttgtcgatc	agagtgcact	caagctacaa	attggtggtc	agaatctcca	gcaagcgaaa	480
tcttatggta	gttctgggag	aaacaaagta	tctactgcca	tgctttattt	gcagtcaacc	540
catatggagc	agacgaaatc	taagaacaaa	acactctcaa	tcgccgcaga	ctttgctact	600
tcacgctctc	aatttcaatc	taattcgaag	gcagagacca	gcacacaagt	aactgcacga	660
aggcgattag	tggattcaact	tggccccctg	gagccgacag	tcgaagatgc	agtgcgagca	720
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gcaaacaagg	gcactgctga	aacatctggc	ccagtctcat	ccagagtggg	aggctgtaag	900
gtcacttacg	gcgcagacgc	gtctttcttg	gatgacacgt	ctattgttga	cagtcgtcgt	960
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ccccagattc	tctccaatca	tgcgtcgcat	cttgggtgacg	gagaaacaag	cgacagcggg	1080
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agttttgtcc	agatatgtga	aaagctactg	gaccgtcagt	ttgtccgacg	cttcctcgaa	1260
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tgcaaccagg	gtaggcaact	tcgcatgtac	tatatctgag	caatattgaa	cctcaccaat	1920
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atcgtgatgt	cagatattcg	cgacgcaccc	gacaatagtt	ctacagggga	cgacagctcc	2040
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gcgagggatc	ttttccttcg	cctgactctc	gattcgacac	ctttaatcca	atcacttttg	2160
gaacgatttt	acgaaatggg	gaattcgggc	agcgagggtat	ggaaaagaag	caaacaacat	2220
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<210> 10607
 <211> 372
 <212> DNA
 <213> A.fumigatus

<400> 10607

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ggctcttcat	cgtcgacaga	tctagatggc	aacggcaaga	aagggtccca	gtcatggcta	180
cgagctgtat	acggggaagg	gaaagagatt	tggctccagg	gtaagggcat	gattctgggtg	240
acgttggcgc	agttcttttg	tgcttctatg	aatgtcatga	cccagatcct	cgagcttgac	300
agcgggttac	atcctttcca	ggttggttct	atctcagcaa	cgtctgcggg	gtgctctgca	360

acgcattgct ga

372

<210> 10608

<211> 963

<212> DNA

<213> A.fumigatus

<400> 10608

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aagggtccac	atccttttgg	gactcgtcct	gtgctgggccc	tgctgatctt	ccgggccatg	120
ggcggtttct	tcggggtcta	cagcatctac	tacgcgggtcc	agtatctacc	tctgtccgag	180
gccaccgtcc	tgaccttttt	ggcaccatc	ctctgctgct	acgcctgttc	tctctttatt	240
cccaacgaga	cattcacccg	caggcagcag	ctggccgctc	tggtttccat	ggtaggcgtt	300
gtgctgatcg	cgcgcccctt	ctcgtcgtca	gcaatgcctc	ccaaccgga	aaagctagaa	360
ggcggaagc	ccggcaccac	ggatgaattt	cagcatatcg	tggaattttt	ggcgatgatg	420
gtgggagtc	tcgggtcaac	atgtgcgtac	acgtcgatcc	gcacatcgg	ccagcgggtc	480
catcccttgg	tctcggtcac	gtatttctca	ctgttacta	ccgttatgtc	attcctggcc	540
atgttgctgg	tcccttccgt	gccgttcaag	ttgcctgaaa	ctggccttga	atggacgttg	600
attgtgggag	ttggggtttg	tggtttcttg	ctgcagttcc	tgctgaccgc	tggtattgtca	660
tacgtgccgc	cccctccgag	aagatctcag	agggtctctg	gaggagcagg	cagtgagtgt	720
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ggctcggcgt	tgattgtggg	aagcgactg	tatgtggcct	tggtgctgta	cggcaagaag	900
aatgctgccg	cagcagttgc	agttgacgag	actgcagaag	aagagaggga	accggtggct	960
tga						963

<210> 10609

<211> 222

<212> DNA

<213> A.fumigatus

<400> 10609

cttccgcacg	cgtgtcgttc	cagccccgtg	gtgaagatat	ctatccagga	agggcaggag	60
atcattcaac	gcagggatca	ggctgctgaa	gctatcccaa	ctatccctcc	agagcaggta	120
gtagatacag	aacaacgccc	tcaacgggca	ccccacgct	gcagtgactg	ccatattcta	180
ggccataggc	gattgcaatg	tccgcagcgc	aagaataact	ag		222

<210> 10610

<211> 186

<212> DNA

<213> A.fumigatus

<400> 10610

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aaatctagtt	attcttgcgc	tgcggacatt	gcaatcgctt	atggcctaga	atatggcagt	120
cactgcagcg	tgggggtgcc	cgttgagggc	gttgttctgt	atctactacc	tgctctggag	180
ggatag						186

<210> 10611

<211> 1167

<212> DNA

<213> A.fumigatus

<400> 10611

gttacatact	atcttctgtcc	cgtcttgtta	gaagaccctt	ctggaaaccc	tcctttctac	60
cgttgcgctt	tcaccgatcg	tctttttctt	gtcagatttc	ccgcctcttc	ggacactcca	120

gattccccctc	cgctctcggga	ccatccaata	tcacccttgc	ttctatatcc	ctccggtttt	180
tcaaagttcg	atcagaacag	tgagaacaat	cagtcaaccg	agatgggttcg	gaatattggt	240
gttatcgggg	gcacotccca	ccccagttg	actcagacga	tctgcaacgt	cttgggtatc	300
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gagtctgtcc	gtgagaaaga	cgtctatata	attcaatctg	gcgggttgaa	agtgaatgac	420
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gatagcttgc	aaaagggttt	ggcaaagtgc	caacttgatg	attacaacaa	tggcagccca	720
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gatgttggcc	ttcgatccac	tgttgtcaat	ggtcaggcaa	atgacgaaaa	tattcagtc	840
aagatcagca	gcttcggggc	tcgccctggc	tacaagcaat	gggtgggtca	ggcaggtacc	900
ctgggtggcg	atcttcttac	ctggcgccgt	gcagaccaca	ttatcacgat	ggatctgcac	960
gacctcaat	atcaagggtt	cttcgacatc	cgggtcgaca	acttgtagcg	cagaccttgc	1020
ctcaagagct	atatccagca	gaatattcgc	aactacaaac	atgcggtcct	tgtcagtcct	1080
gatgccggag	gtgccaagcg	agcaaccgcg	attgcggatt	ctatgggaat	ggaatttgct	1140
ctcattcaca	aggtaccggt	cacttaa				1167

<210> 10612

<211> 366

<212> DNA

<213> A.fumigatus

<400> 10612

gaacgacgcc	caacgaaaat	tacagaccgc	caaaatgcta	ccatgatggt	ggtcgggtgat	60
gtcaaggatc	ggacgacgat	tttgattgat	gaccttgccg	acacatctaa	caccatcacg	120
agggctgcaa	aactgttgaa	gaaggagggg	gcaccccagg	tttatgcctt	agtcacgcac	180
ggtatcctga	gcggtgatgc	gacgcaccgc	atcaacgcta	gcgctctcga	caaggctcgtc	240
gttaccaca	gcgtcgatca	gtcggaccac	ttacgcgat	gccccaaagt	ggaagtgttg	300
gaagttggcc	atgtcttcgc	ggaggtaagc	cggttctctt	ttctaactaa	tacgaatatg	360
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<210> 10613

<211> 471

<212> DNA

<213> A.fumigatus

<400> 10613

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gccgccacca	ttgctctggt	tgtcgtcacg	attcttgtcg	ccatctgtgc	cgactacctg	120
gttggaagca	tcgacagcat	cgtggagaag	accagcatga	gccggacttt	catcggtctc	180
atcttgatcc	ccattgttgg	aaatgctgca	gagcatgtca	ccgccgtcgt	cgtcgcgtgg	240
aaaggaaaga	tggatctggc	tatcggtgta	gccgtcggca	gtagcttgca	gatcgcatcg	300
ttcgtgacac	cgttccttgt	catcatgggc	tggatcctaa	acgttgagat	gactctcaac	360
ttccacatct	ttgaaactgt	cgccttcttt	atctccagct	tggttgtgac	cttcctcatc	420
caagatggca	agtcgaatta	tctcgagggt	ggactttgct	tgggaatgta	a	471

<210> 10614

<211> 417

<212> DNA

<213> A.fumigatus

<400> 10614

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aataatagtc	cgacggataa	aggagtgtgt	ccatggctga	tacgtcaaac	gggagtttac	120

cacaaaaatgt	tatatcccaa	ccaacatagt	caaaactcat	tacgcagcac	gtctgtcttc	180
atcctcattg	ctccttcgca	tgcggtggaa	aaatctatcc	cgtaccgtct	ctccgaaaac	240
gtgtcacagg	atgacacatt	tgcgcaggat	tttcttatcc	atgaatacat	cgtcgggtgac	300
agtttgaaag	gctggatgga	ctatcaggcc	tggctagagg	ccgagtccaa	acaaatagta	360
tgctgttggc	ttctactacg	tattatcaga	agccaatatt	acaaggagcg	acactga	417

<210> 10615

<211> 273

<212> DNA

<213> A.fumigatus

<400> 10615

cagggtgttca	actacctcgt	cggttccctt	tctcgaatct	ttaccacgtt	gcaagaagtc	60
gacgacaagc	tcattcttta	tgggttcatt	gctgggtttg	tcttgaacgt	tatcctggcg	120
gcacagatgg	tctactactg	gaagagcccc	gcgagcccca	aaaagcgacc	tgctcgagcc	180
tctaggccac	tggaaaagat	tcttgcctgt	gaaagcacag	gagtatcgac	caagccctcg	240
gccaaagtgc	ccaccacacg	cagacggggg	tag			273

<210> 10616

<211> 285

<212> DNA

<213> A.fumigatus

<400> 10616

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acagctccgc	cagcgcactc	tcactcaacg	caccccggtc	ctcaagcgcg	gacgcccccg	120
cccgccgacc	gcgcgatacc	cagtcctcaa	cccttggatc	aagtttcgtg	cgcaggagtt	180
gctccagtgt	cggggcctgc	gtgcggcccg	ggtacgaggg	gcccgggtag	gcgacgagcg	240
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<210> 10617

<211> 639

<212> DNA

<213> A.fumigatus

<400> 10617

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gagcatctcg	ccgataacaa	agacctctc	tccgcgctcg	tcgcctaccc	gggcccctcg	120
taccccgggc	gcacgcaggc	cccgacactg	gagcaactcc	tgcgcacgaa	acttgatcca	180
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ggtgcgttga	gtgagagtgc	gctggcggag	ctgtgggatt	gggcgcctgt	cgaggcgaac	300
caggaggcga	ggaggaggaa	ctgggggtgg	aactttacgt	tggagagag	ggagatgggg	360
attcagaatg	tcgttactgg	ggtgaggagg	cagttggagg	atgaggatga	ggaggcgagt	420
gaaagtgagg	aggaggggga	gggggagggg	gaggaggagg	agatggagg	tggtggggta	480
cgacgtaggt	ctggtgcggg	cgctggattg	gaatttgata	ttgcggcgcc	tgcgccgggg	540
tcacggcagc	agcagcagca	gaaagcagct	gggcctgcgg	ttcctttgga	ggatattcta	600
cggatatatga	ctacgggaat	accgccgacg	cagcgtga			639

<210> 10618

<211> 315

<212> DNA

<213> A.fumigatus

<400> 10618

ctgtgggggt	gccgaatcgc	caaccttcca	gctattcggc	ctacttattc	gctgtctgct	60
ggcacctctc	cgtcaccgtc	ccagccgctt	tacctcaaca	gcacgcgggc	tcagtccgaa	120

cttctaattc	aaagcaagat	ggcatcccta	aaccaagacc	aatcaaaat	cctcgaacaa	180
tcccgcacac	ggctcgtcca	gtcacccgc	tccctagcct	ctctaatacg	cagctttaa	240
caaagcgaac	cgcttccatc	atgggttaac	cccacccag	ctcaaacaac	cgcatccaag	300
ggcaaaaattt	gctaa					315

<210> 10619

<211> 1203

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (1202), (1203)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10619

ccccccagaa	ttccccacca	aaagaaattt	ccccgggttaa	tctgcgcaag	ctcgggaattt	60
tgttggaact	tggagcgggg	aacacaaaat	caacttgtct	tctatatggg	tccttttggg	120
ccgatacccg	tggctcgtat	cggcattctat	tgcaacgatg	cctctggaat	cagaactagg	180
gattcaactg	accgaaggag	aggggtcgag	cgcatccgat	ggcgacatag	cgttcatcag	240
gcgtggcctc	ggggaagtac	aagcgggtccg	gcaaggcctg	taccagcggc	acctccagat	300
gattgccctg	gctggcacia	ttggcacccg	gctcttctct	agctccgggc	aagcacttgt	360
aatggggggc	cccctgggtg	catttctggc	ctatacaatt	gttggccttg	gggttttcgag	420
cgctgctcctg	actgtcggag	agatgggtgc	gttgggtccc	ctgagcggcg	ggctcgtccg	480
atatgcgga	tacttcttcg	acccggccat	ggcctttgcc	aacggatgga	atcaagtcta	540
cttatacaca	gtcactatcc	ctgcggaaat	cgtggcagcc	tcagtgtctg	ttcaattctg	600
gatcacccgc	aacaacgcca	tctggattac	cgtcttcagc	ttgctgggtg	tgattacggc	660
gctgggtgtc	gtccgaatct	atggggagct	ggaatttgca	ttcgccatct	tgaaaatcct	720
gctcatcatt	gggtgaaca	tcattggcgt	ggtgattact	tgccggcgag	gaccggatgg	780
acaatcgatt	ggtttcagat	actggagaga	cccagggcct	tttgttcagt	accttgggat	840
caaaggctcc	cttggccagt	tccttgggtt	ctggacatgt	ctcaacaatg	ccgtcttctc	900
gtactcggga	atccagaata	tcacgatccc	cgccggccgag	accagggtccg	cccagcggtc	960
catcccagaa	gcaaccgggc	gcgtcttggg	acgtatcttc	ctctgccatg	ttctaacgat	1020
ctttatgatt	ggcctgggtc	gtccctccga	acgattcccc	tcttctgcca	attgatggga	1080
cgggctctca	ctccccattt	gttaatgggt	gcttcccccg	gcagggatca	agacggcacc	1140
ctcgatcatc	aacgttatta	tcttgacttc	cgcgtgggtc	cgccggggaat	tcaaatatct	1200
ttn						1203

<210> 10620

<211> 1035

<212> DNA

<213> A.fumigatus

<400> 10620

tctgcgcaag	ctcgggaattt	tgttggaact	tggagcgggg	aacacaaaat	caacttgtct	60
tctatatggg	tccttttggg	ccgatacccg	tggctcgtat	cggcattctat	tgcaacgatg	120
cctctggaat	cagaactagg	gattcaactg	accgaaggag	aggggtcgag	cgcatccgat	180
ggcgacatag	cgttcatcag	gcgtggcctc	ggggaagtac	aagcgggtccg	gcaaggcctg	240
taccagcggc	acctccagat	gattgccctg	gctggcacia	ttggcacccg	gctcttctct	300
agctccgggc	aagcacttgt	aatggggggc	cccctgggtg	catttctggc	ctatacaatt	360
gttggccttg	gggttttcgag	cgctgctcctg	actgtcggag	agatgggtgc	gttgggtccc	420
ctgagcggcg	ggctcgtccg	atatgcgga	tacttcttcg	acccggccat	ggcctttgcc	480
aacggatgga	atcaagtcta	cttatacaca	gtcactatcc	ctgcggaaat	cgtggcagcc	540
tcagtgtctg	ttcaattctg	gatcacccgc	aacaacgcca	tctggattac	cgtcttcagc	600
ttgctgggtg	tgattacggc	gctgggtgtc	gtccgaatct	atggggagct	ggaatttgca	660
ttcgccatct	tgaaaatcct	gctcatcatt	gggtgaaca	tcattggcgt	ggtgattact	720

tgcggcggag	gaccggatgg	acaatcgatt	ggtttcagat	actggagaga	cccagggcct	780
tttgttcagt	accttgggat	caaaggctcc	cttggccagt	tccttgggtt	ctggacatgt	840
ctcaacaatg	ccgtcttctc	gtactcgga	atccagaata	tcacgatccc	cgcgcccgag	900
accaggtccg	cccgaacggtc	catcccagaa	gcaaccgggc	gcgtcttggg	acgtatcttc	960
ctctgccatg	ttctaacgat	ctttatgatt	ggcctgggtc	gtccctccga	acgattcccc	1020
tcttctgcca	attga					1035

<210> 10621

<211> 207

<212> DNA

<213> A.fumigatus

<400> 10621

ctttaccgtc	cgtcaagatc	tcctcctcag	cttatagtea	gccagctaga	cgaagctgtg	60
cgttacagt	gcatgtcaaa	atctaata	atggagattg	gagcttacag	atacattcgt	120
gtatatttg	agaaattctc	cttgagatac	cctgatatta	ttattattga	tggaggtacc	180
gagtctccga	cagattcaaa	tctgtag				207

<210> 10622

<211> 630

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (36), (37), (74)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10622

cttccgcgtg	gttccgcggg	gaattcaa	atcttnntcg	catcccggat	tctttatggc	60
atggcgggtc	atgnccatgc	gcatgccgtg	ttcgagaggc	tgaatcggtt	ctctgtccct	120
tatgtggcca	ttagctgtat	cgggttcttc	atgagcttgg	gatataatgc	tctcaccgag	180
tcattccacca	ttgtcttccg	atggctgcgt	gatgtcgtgt	cagtcgccac	attagtggac	240
tggatcatcg	tctgcatcgt	ctacctccga	ttttactacg	gttgcaagaa	gcaaggcgctc	300
gaccgacaca	aggagcttcc	atgggctgca	ccgttccagc	cctactttac	ctgggcatcg	360
ctgactcttt	tcgcccctct	gcttattacc	gggtggctata	gcactttcat	tcacggccac	420
tgggataccg	aaacctttgt	ctcatcgtac	atcaacatcc	cgattgtcct	cggtctctat	480
tacggctaca	aattctggaa	gaaaacgcac	atcgtcacgt	tggagaatat	gcccgtgggtc	540
gggtactacc	agttctatct	aagccaggat	gaagacgaac	cggaaccacg	gcctaggaag	600
gggctcgcca	agttgaacat	tctctggtag				630

<210> 10623

<211> 189

<212> DNA

<213> A.fumigatus

<400> 10623

aaagtattac	ctcggtttca	tgttgatagg	ttctcattag	tccgagtctt	tcgtagagaca	60
gggtccgtgt	tgctctgtcc	ttgggaaata	agctataact	cccccgagac	tgtcataaag	120
caatcttgca	ttttcaccta	tatgaggtat	aactttaccg	tccgtcaaga	tctcctcttc	180
agcttatag						189

<210> 10624

<211> 387

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (191)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10624

tgcgacgaag	ttaaagcccaa	ttgcggcaac	tgtctgcgtc	actccattga	gtgtgactat	60
acattgaaca	cagaaggaac	ttccacccca	tccacagagg	aagagaatcg	gactcctaca	120
tactcaatg	acaactacac	cttcatttcc	tcgctcagc	ccaatttcac	tccccaagg	180
agaaggcgta	ntcacgtcc	gtccccaacg	caagaagata	tcgagccaaa	gccccagttg	240
catctaccgg	ttggcaaaaa	actgttccag	ttcacaacca	acgacatggg	actcttccat	300
cattttatca	cctcgggcga	actgggaagg	atcttcaaaa	cacttgcaga	accaactgtc	360
tccactaagg	attcacctcc	cattatg				387

<210> 10625

<211> 213

<212> DNA

<213> *A.fumigatus*

<400> 10625

agctctatcc	acgtgcttac	ggtgcttacc	gtgattaact	ttctccaagg	atcatccctt	60
gcagctgaca	ctgttggtca	cattattacc	tacgaggtag	ttactctggg	tacctatctg	120
ctctacacac	ataataaaat	agtactcgcg	agggtaggca	gcaggcgctc	ctgtcatcta	180
tgcacagaag	tcctgaattc	gatcattcac	tga			213

<210> 10626

<211> 207

<212> DNA

<213> *A.fumigatus*

<400> 10626

ctccatgctg	tcggtccttg	tctcgatcac	tttctctttt	atcattgtat	agattgctcg	60
ttttctgttt	ctggacaaac	taagccttcc	ctttttcctg	tgaacttccc	cctttacagt	120
cgctgtcaag	acttcgcact	tgtgcgattg	aacgcgtaaa	agctctcccc	tccttccttt	180
ggccttgaaa	caacttatgt	cttctga				207

<210> 10627

<211> 513

<212> DNA

<213> *A.fumigatus*

<400> 10627

atgacggccc	ttcagactgc	acgcattacc	ctcgctgggtg	aacagcttgg	attcatgaat	60
gtttccaatg	ctggtagcac	tgtattcaac	tggttcctga	atatctccgg	cgtggcaggg	120
tggattacat	gggcatcttt	gaatgcttgt	catattgctg	ttatgcgggg	tctaaaggct	180
cgcaacattt	ctcgtgacct	ccttccctac	aaggcattgt	ggcagccatg	gtatgcctac	240
tatggcttgt	tctttaacgt	cctgattatc	ctcacacaag	gattcactgc	ctggattcca	300
actttcagcg	tcaccgattt	tttcgtcgcc	tacctcagtg	tgatcctttt	cgttgtgtgc	360
tacttggggc	acaagatcat	cttccgacca	gcatttgtgc	gaccaatcga	agcagatata	420
gatactggcc	gtgtcgcttt	ggaaaatgag	atgtgggaga	cagtcactcc	caccaagtgg	480
tataagaagt	tgggcagcgc	gattctggga	tag			513

<210> 10628

<211> 336

<212> DNA

<213> A.fumigatus

<400> 10628

ctgcgacgct	ttgcttgccc	attcagctgc	tgggcaatct	ccaagcccca	gtctggagtc	60
ctacctaaact	caggtaacta	ccccatcccg	aggggcgatt	tggcagactt	tccctggccc	120
ggagtggcag	ggaaccccag	tggctttttt	ttttctccag	atatttattt	ctctatccgt	180
cggacaggca	agagaaagga	aagaacaaga	ctcgacgaa	gacgtcgctt	tgtactcata	240
aggagtgttg	ccagcttccc	cctctccctt	ttcacttacc	ctgactccat	gctgtccgtc	300
cttgtctcga	tcactttctc	ttttatcatt	gtatag			336

<210> 10629

<211> 447

<212> DNA

<213> A.fumigatus

<400> 10629

tctcggggac	gactactgcg	tgggtggtgtg	cgtgtagtga	caagggagga	agagcgccca	60
accttcgcga	gatgcgcccg	gaatcataaa	gggcccgttt	actcccgtt	caaccctcgc	120
ggaagtgtta	aaccacccca	atactcgccg	catcagcccg	gtccgcacca	accgcatcgt	180
tcgccagcac	cgtcgtgccc	acttggttcc	caaacgcgc	gaccccgctc	cccaccaccg	240
gcgccacggt	ccacacccct	tgcgtcgcgt	gcgccgtgca	caccaggaag	acgaccatcc	300
cggcaatggt	cagcaggaac	ccgagatagc	tcagccagag	gcggaattcc	ggcggcgggc	360
ggcgggagat	gcggcgcgcg	cggaaaggcca	tccaggagtc	ggaggcggtg	ccgccgagct	420
gctcgcccag	gagggagccg	acgatga				447

<210> 10630

<211> 198

<212> DNA

<213> A.fumigatus

<400> 10630

accaccccaa	tactcgccgc	atcagccggg	tccgcaccaa	ccgcatcggt	cgccagcacc	60
gtcgtgccc	cttggttccc	aaacgccgcg	accccgtcc	ccaccaccgg	cgccacggtc	120
cacaccctt	gcgtcgcgtg	cgccgtgcac	accaggaaga	cgaccatccc	ggcaatggtc	180
agcaggaacc	cgatatag					198

<210> 10631

<211> 411

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (27)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10631

caagagattc	acaacggggc	aggcttnttc	gtcttccgcg	gcctcgacgt	cgatcggtac	60
tcccgcgcag	acgacatcct	catttaccgc	ggcgtatcct	cgcataattg	aagcatccgc	120
ggccggcagc	aggaccaacg	acaagcagac	gggacgtcag	tcgtgctcgc	acatatcaag	180
gacctgactc	gcaccgatca	agcaggcaac	atcggcgggc	ccggcagcac	agccgacaag	240
caagtcttcc	acaccgacgc	cggcgacatc	gtctcgtgtg	tctgtctcga	gacagcggcc	300
gagggcgggc	aaagccagat	ctccagtagc	tggctggtgt	acaacatcct	cgccaaggaa	360
cgaccgggatt	tgatctggac	gttggcaacg	gactggccgg	tggatgggtg	a	411

<210> 10632

<211> 630
 <212> DNA
 <213> A.fumigatus

<400> 10632
 agaaaacaga gaatagccaa cctcgtcctg gtggcattcc acgccttcat gggcaccttc 60
 attgcagccg gcatcatcgc cgcgtacgaa gacatcgcgg tcgacctgga tgtgtccatc 120
 caaaaagtca gctacctcac ctcttgcag atcgtatatac tgggcggcgg cccgctggtc 180
 tggaaaccgc tctcgcagcg cttcggacgg cggccgatct tccttgtctc gctggtgctc 240
 agctgcgtgt gtaatatcgg gtgcgccacg agtccgggtt atgcgtcgat ggcggcggtg 300
 cgggcgctcg ctgcgttctt catctgccct gcgatggcga ttgggagtgc ggtcgttgcg 360
 gaaacgttct tcaagcgcga gagagcaagg tataatgggtg tctggacggg catggtcacg 420
 ctgggggtgc cgactggggc gttcattttt gggtttgttg cgcagcgcgt gggatatcgg 480
 tggatatact ggattttggc aattgtacat acattctcta ctaaccctac gtatgagcca 540
 ccactgacag aagcgtatag accaagcggc tccagttcat cctctacctc ttcctcggcc 600
 ctgagacccg ctacatcggc accgacatga 630

<210> 10633
 <211> 531
 <212> DNA
 <213> A.fumigatus

<400> 10633
 ccaacctcgt cctggtggca ttccacgect tcatgggcac cttcattgca gccggcatca 60
 tcgccgcgta cgaagacatc gcggctcgacc tggatgtgtc catccaaaaa gtcagctacc 120
 tcacctcctt gcagatcgct atactgggcg gcggcccgct ggtctggaaa ccgctctcgc 180
 agcgtctcgg acggcgcccg atcttccttg tctcgtcgtt gctcagctgc gtgtgtaata 240
 tcgggtgcmc cagagtcgg ggttatgcgt cgatggcggc gtgtcgggcg ctgcgtgcgt 300
 tcttcatctg ccctgcgatg gcgattggga gtgcggtcgt tgcggaaacg ttcttcaagc 360
 gcgagagagc aaggtatatg ggtgtctgga cggctcatggt cagctggggg gtgccgactg 420
 ggccgttcat ttttgggttt gttgcgcagc gcgtgggata tcgggtggata tactggattt 480
 tggcaattgt acatacatc tctactaacc ctacgtatga gccaccactg a 531

<210> 10634
 <211> 570
 <212> DNA
 <213> A.fumigatus

<400> 10634
 gaccgcctac atcggcacccg acatgacctc ccaaaccacc tcggccttcc aacgggaata 60
 cctgtctctc cggcgcacatc atcccacccc ctttaacgtc cactgaattct accaccgct 120
 cagctctctc accaaccatcc ccgtcctcac cgcgcgctgc gcctacgcca tgggtcttct 180
 ctctggcagc gtcttcaact ccgtcgaagt gccccagctg ctccaatcca agttctccct 240
 caacgcgcag cagctcggcc tgcagtctct cgggctcatc gtccgctccc tcctgggcca 300
 gcagctcggc ggccacgcct ccgactcctg gatggccttc cgcgcgcgcg ccatctcccg 360
 ccgcccgcgc ccggaattcc gcctctgggt gagctatctc ggggttctctg tgaccattgc 420
 cgggatggtc gtcttctctg tgtgcacggc gcacgcgacg caaggggtgt ggaccgtggc 480
 gccggtggtg gggacggggg tcgcggcggt tgggaaccaa gtgggcacga cgggtgctggc 540
 gaacgatgcg gttggtgcgg acccggtcga 570

<210> 10635
 <211> 285
 <212> DNA
 <213> A.fumigatus

<400> 10635

aatcaagata gcaagatggg ggaaattcag acacttcgtc agcctgatat ccagtatcat	60
ccagactacg aaaagtatct cgcgcgcgtg cagcgtcgca aggcaaccga ggatctgccc	120
acgtctcttc ctccgggctt ccccgagaag ctttcttctc ctcttgctctg ggagggcaag	180
gagatagaaa aacagaatga ctggatctat aagcttgatg acgcgcagcg agaggagatc	240
cacgctgcgt tgtctcactt caagggttaag ttgccgaacc ggtga	285

<210> 10636

<211> 432

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (130)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10636

cagggcatga ctaacgtcca cagccctgaa cctcgaaccc ggctacatca gtcaagagac	60
attccccctc ccaactctcc atcctatact gcgggaacta tagcacgaga ttcacaacgg	120
gcgaggcttn ttctgtcttc gcggcctcga cgtcgatcgg tactcccgcg cagacgacat	180
cctcatttac ccgggogtat cctcgcatat tggaagcatc cgcggccggc agcaggacca	240
acgacaagca gacgggacgt cagtcgtgct cgcacatata aaggacctga ctgcaccga	300
tcaagcaggc aacatcggcg ggcccggcag cacagccgac aagcaagtct tccacaccga	360
cgccggcgac atcgtctcgc tgttctgtct cgagacagcg gccgagggcg gcgaaagcca	420
gatctccagt ag	432

<210> 10637

<211> 438

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (346)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 10637

ctggctgggt tacaacatcc tcgccaagga acgaccggat ttgatctgga cgttgggaac	60
ggactggccg gtggatgggt gagtgtgctt cttctcccc agttactctc ctgcttaccg	120
cgtagcttca ataaccgccg gcgcccgtat acattgcgtc ccttgctcta ccaccaggac	180
gcaacggcat caacaccgcc gcgcgtcttc atccaatacg cccgccgtta cttcactggc	240
ttcctcgccc agcctcgctc ggcgaaatc cgcgccatca ccgaggcgca ggccgaagcg	300
cttgaacgcg gtgaattttt ttggccggag gagcacagcg ccgcgntgga tttccagaag	360
ggagacgtgc agtatatcat aaacctgagt attttccatg ctcgcaaggg gttccgggat	420
gggcccggaa aagagtaa	438

<210> 10638

<211> 639

<212> DNA

<213> A.fumigatus

<400> 10638

accaacgcg tccagttcat cctctacctc ttctctggcc ctgagaccgc ctacatcggc	60
accgacatga cctcccaaac cacctcggcc ttccaacggg aatacctgtc tctccggcgc	120
atcgatccca ccccttttac gctccacgaa ttctaccacc cgctcacgct cttcaccaac	180
atccccgtcc tcaccgcgcg gtgcgcctac gccatggtct tcctcttcgg cagcgtcctc	240

aactccgtcg	aagtgcccc	gctgctccaa	tccaagttct	ccctcaacgc	gcagcagctc	300
ggcctgcagt	tctcgggct	catcgteggc	tccctcctgg	gcgagcagct	cgccggccac	360
gcctccgact	cctggatggc	cttcgcgcgc	cgccgcctct	cccgcgcccc	gccgccggaa	420
ttccgcctct	ggctgagcta	tctcgggttc	ctgctgacca	ttgccgggat	ggtcgtcttc	480
ctggtgtgca	cgccgcacgc	gacgcaaggg	gtgtggaccg	tggcgccggt	ggtggggacg	540
ggggtcgcgg	cgtttgggaa	ccaagtgggc	acgacgggtc	tggcgaacga	tgcggttggt	600
gcggacccgg	ctgatgcggc	gagtattggg	gtggtttaa			639

<210> 10639

<211> 273

<212> DNA

<213> A.fumigatus

<400> 10639

agatgtcttg	gagaatcttc	cacaattcgc	gacggccctg	cgacaactgg	catcgtattc	60
aagggcgaca	tggcggagaa	cgaagctttt	cgtttgagag	acatggcctc	ctcgtgcgct	120
acaaacaatg	atacagaagt	caacgtcatc	aaagtctccg	cgctaccaat	cgcccggttc	180
cgcaaatggc	gaattttag	aacaatggag	aagcagtatg	acgaagaaat	tcacggtagc	240
gcgagttcat	tcgcagaaga	acgcagaaga	taa			273

<210> 10640

<211> 417

<212> DNA

<213> A.fumigatus

<400> 10640

caagggacct	tttcgcgaaa	tcacaggteg	tcattgtcca	gcctaacgac	actggctcca	60
aggcgcaccc	cttcccctac	gccatccgtc	gccggtatcg	agcgctaccc	cctcaaggte	120
acccgcgcga	tgggcaagaa	gatggtcgag	aagcgcagcc	gcatacaagg	tttcatcaag	180
attgtcaact	acaaccactt	gatgccacc	cgttacactc	ttgagcttga	gggcctcaag	240
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